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U.S. Department of Education

**Implementation Study of Smaller
Learning Communities**

Final Report

Implementation Study of Smaller Learning Communities

Final Report

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Executive Summary

The Smaller Learning Communities (SLC) program was established in response to growing national concerns about students too often lost and alienated in large, impersonal high schools, as well as concerns about school safety and low levels of achievement and graduation for many students. Authorized under the *Elementary and Secondary Education Act* (Title V, Part D, Subpart 4, Section 5441(b)), the SLC program was designed to provide local education agencies with funds to plan, implement, or expand SLCs in large high schools of 1,000 students or more. The SLC legislation allows local education agencies to implement the most suitable structure or combination of structures and strategies to meet their needs.

The U.S. Department of Education (ED) contracted with Abt Associates to conduct the Implementation Study of Smaller Learning Communities. The primary purpose of the study was to evaluate the implementation of the federal education law that authorizes funding for the SLC program, by describing the strategies and practices used in implementing SLCs. The report is based on findings from the first group (first cohort) of grantee schools funded under this program in 2000. This first cohort of 119 SLC schools was surveyed at two points in time (spring 2002 and fall 2003). From among those freshman and career academies with the highest student participation and degree of SLC implementation, 18 schools were purposively selected for case studies.¹ The study addresses three major research questions:

- How are schools implementing SLCs—what are the principal strategies, models, and practices implemented?
- What are the factors facilitating and inhibiting implementation in SLC schools?
- How do outcomes for SLC schools, as measured by student achievement and school behavior, change over time?

This study relied on three major sources of data: (1) Annual Performance Reports (APRs), completed by all grantees and schools funded through the SLC program; (2) Periodic Implementation Survey (PIS); and (3) in-depth case studies of 18 SLC schools who reported they were implementing a freshman or career academy.

The following sections provide more detail about the SLC program, the study design, and major study findings.

Smaller Learning Communities Program

The SLC program serves multiple purposes, namely: (1) testing the feasibility of creating SLCs; (2) researching, developing, and implementing strategies for creating or expanding SLCs; (3) implementing strategies for effective and innovative changes in curriculum and instruction;

¹ This report does not include findings from the second cohort of 222 SLC schools funded in 2002. These schools were surveyed at only one time and did not have any case study visits. Findings for this cohort of SLC schools are summarized in the unpublished *Cohort 2 Follow-up Report* (Bernstein, Millsap, and Schimmenti, 2005) available upon request.

(4) providing professional development for school staff in the teaching methods that would be used in the SLCs; and (5) developing and implementing strategies to include parents, business organizations, and other community members in the activities of the SLCs.²

The legislation authorizing the SLC program was broad and gave grantees considerable latitude to determine how to implement SLCs. Programs responding to the SLC legislation were free to choose from a range of methods including “structures”(comprehensive restructuring), as well as “strategies” used either alone or to complement these new structures. Several restructuring methods were encouraged under the program, including small learning clusters, “houses,” career academies, magnet programs, or schools-within-a-school. Strategies that complement such a restructured large high school include block scheduling, freshman transition academies, advisory or adult advocate systems, academic teaming, multiyear groupings, and other innovations designed to create a more personalized high school experience for students, and thus improve student achievement.

The SLC program asks each grantee for the number of students in each of the structures and strategies included in the box below from their Annual Performance Report (APR).

Smaller Learning Community Structures and Strategies

SLC Structures (Comprehensive Restructuring)

Career Academies are one type of school-within-a-school that organizes curricula around one or more careers or occupations. They integrate academic and occupation-related classes.

Freshman Academies, also called **Ninth Grade Academies**, are designed to bridge middle and high school. They respond to the high ninth-grade dropout rate in some high schools.

House Plans are composed of students assembled across all grades or by grade level (e.g., all 11th- and 12th-graders) with their own disciplinary policy, student activity program, student government, and social activities.

Schools-Within-a-School break large schools into individual schools, which are multiage and may be theme-oriented; they are separate and autonomous units with their own personnel, budgets, and programs.

Magnet Schools generally have a core focus (e.g., math and science, the arts). They usually draw their students from the entire district.

SLC Strategies (Complement Structures or Implemented Alone)

Block Scheduling: Class time is extended to blocks of 80–90 minutes, allowing teachers to provide individual attention and to work together in an interdisciplinary fashion on a greater variety of learning activities.

Career Clusters, Pathways and Majors: These are broad areas that identify academic and technical skills students need as they transition from high school to postsecondary education and employment.

Adult Advocates or Mentors: Trained adult advocates meet with students individually or in small groups on a regular basis over several years, providing support and academic and personal guidance.

Teacher Advisory Program: The homeroom period is changed to a teacher advisory period, assigning teachers to a small number of students for whom they are responsible over three or four years of high school.

Teacher Teams: Academic teaming organizes teachers across subjects so that teacher teams share responsibility for curriculum, instruction, evaluation, and discipline for the same group of 100 to 150 students.

² Title V, Part D, Subpart 4, Section 5441(b) of the *Elementary and Secondary Education Act*.

The first grants were awarded in FY 2000 and are the subject of this report. In January 2002, the *No Child Left Behind* legislation (PL 107-110, Section 5441) reauthorized the program.

SLC Early Implementation Study Design

This executive summary addresses the major implementation findings on the first cohort of 119 schools funded under the federal SLC program, which received three-year implementation grants in the first year of funding (fall 2000). The SLC study relies on three major sources of data: (1) The **Annual Performance Reports** (APRs), completed by all grantees or schools funded through the SLC program, provided data on a number of student outcome measures, as well as district and school background information, the number and type of SLC approaches, and general student background information;³ (2) The **Periodic Implementation Survey** (PIS), administered to all Cohort 1 SLC schools at two time points (spring 2002 and fall 2003) provided detailed information on the implementation of various SLC strategies across all schools;⁴ (3) and In-depth **case studies** of 18 Cohort 1 SLC schools helped illuminate the survey findings. Site visits to these 18 schools were completed in fall 2002, and follow-up telephone interviews were conducted in spring 2004.

Both the APR and PIS contained self-reported data. The APR contained data submitted to ED by each SLC grantee. Although instructions were given to each grantee defining how the APR should be filled out, considerable variation existed among grantees in terms of how certain outcomes were defined and reported, such as planned postsecondary attendance and extracurricular activities. The PIS responses, based primarily on self-reported perceptions of progress in implementing SLCs, may have reflected varying definitions of SLC implementation maintained by principals from school to school.

Compared with other large high schools (schools with at least 1,000 students), the SLC schools in the first cohort of grantees are distinctly different. The SLC schools are larger (median enrollments of 1,874 students vs. 1,554 in large high schools), have a much higher percentage of minority enrollment (median of 60 percent vs. 22 percent), and are much more likely to be located in large or mid-size central cities (60 percent vs. 33 percent).

We note that this study examined implementation issues for the first cohort funded by the program. As such it reflects only early implementation issues.

³ Response rates for SY 1996–97 through SY 2002–03 APR data ranged from 97 to 100 percent.

⁴ Response rates for the spring 2002 and fall 2003 PIS data collections for Cohort 1 were 97 percent and 90 percent, respectively.

Exhibit ES.1

Minority Enrollment of SLC Cohort 1 Schools, Compared With Large U.S. High Schools

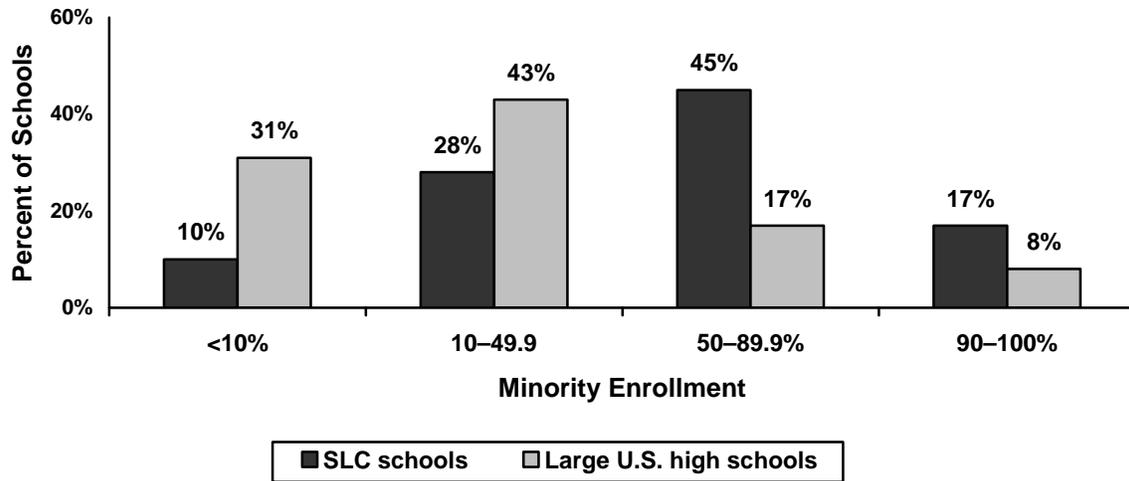


Exhibit reads: Ten percent of SLC schools have minority enrollments of less than 10 percent, compared to 31 percent of large U.S. high schools.

Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000–01; Common Core of Data, Public Elementary and Secondary School Universe Survey, 2000–01.

Major Study Findings

The study findings primarily concern the status of SLC implementation in the Cohort 1 schools and factors facilitating and inhibiting implementation. The study also examined in a limited manner how outcomes as self-reported in the APR data changed for Cohort 1 schools over time.

Implementation Findings

How are schools implementing SLCs—what are the principal strategies, models, and practices implemented?

- By the end of two to three years of receiving their SLC grants (depending on when grantee districts made funds available to schools), the first group of SLC schools (Cohort 1) had reported success in responding to congressional intent to implement varied approaches. **In general, schools tended to implement a combination of SLC “structures” and less-comprehensive “strategies,”** with schools averaging 1.3 structures and 2.3 strategies. **The most prevalent structures were freshman and career academies.** More than one-half (55 percent of schools) reported that they implemented freshman academies, and more than one-third (42 percent) reported that they implemented career academies. Twenty-one percent of schools implemented freshman and career academies in combination.
- **Schools also changed over time, in both the number and types of SLC structures they were implementing.** Freshman academies showed the most growth. In 2001–02,

38 percent of SLC schools had freshman academies; by 2002–03, the number had risen to 55 percent. Career academies showed some growth (from 38 percent of schools to 42 percent), whereas the overall proportion of other structures remained unchanged. Schools with freshman academies, career academies, or schools-within-schools were more likely than schools with other structures to continue to implement the same SLC structures across both school years.

Exhibit ES.2

Percentages of SLC Schools Implementing Each Type of SLC Structure (n=105)

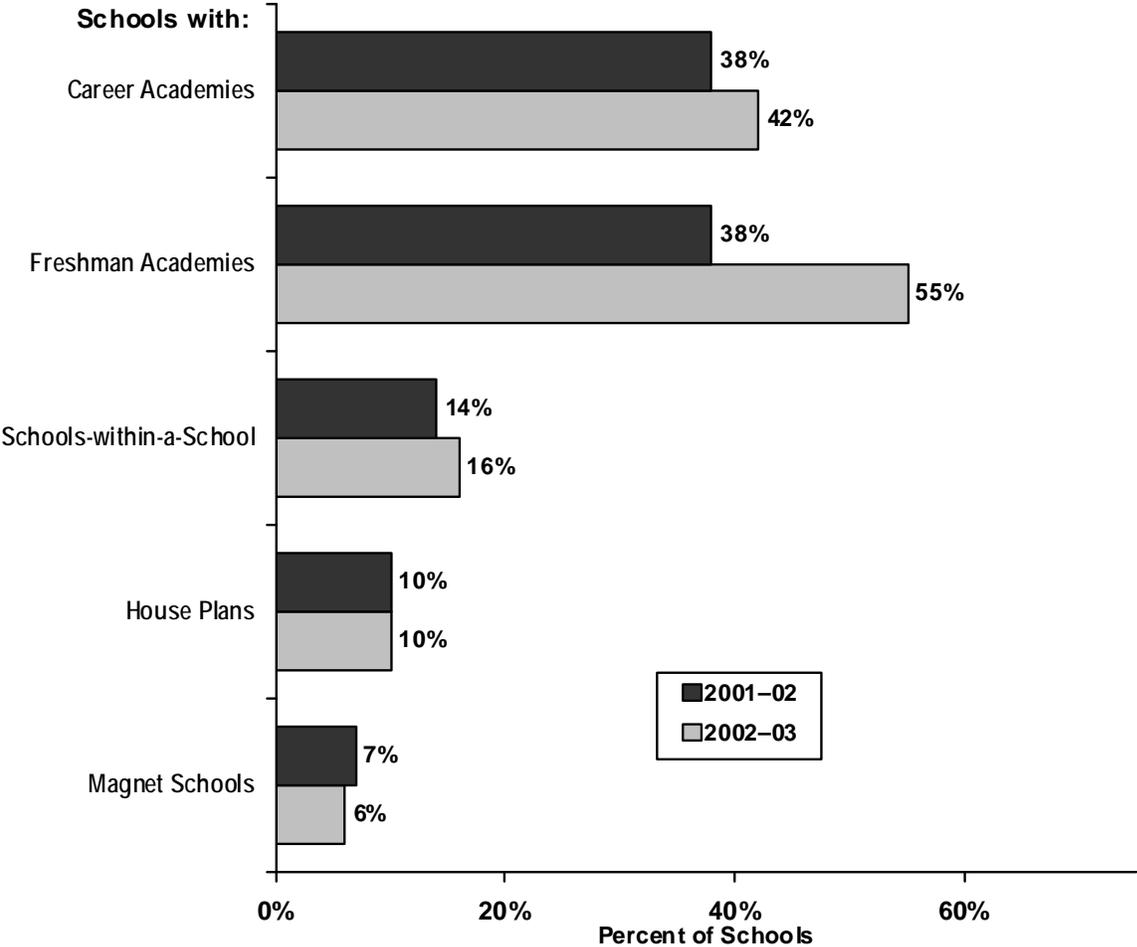


Exhibit reads: Thirty-eight percent of SLC schools reported implementing career academies in the 2001–02 school year. Forty-two percent reported implementing career academies in the 2002–03 school year.

Notes: Percentages exceed 100 percent within a school year because schools may implement more than one SLC structure. Percentages based on number of respondents completing survey module corresponding to each type of SLC structure

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003.

- Cohort 1 schools with freshman academies, house plans, and career academies reported success in involving a majority of their eligible students.** Schools with freshman academies reported a high level of participation (78 percent on average) among their ninth-grade students. For house plans, average student participation was 77 percent during the 2002–03 school year.
- In addition to, or in place of, SLC structures, schools also chose to implement one or more SLC strategies, with block scheduling (58 percent of schools) and teacher teams (52 percent) the most popular choices.** However, schools over time were gradually shifting from the use of SLC strategies to a greater use of SLC structures.

Exhibit ES.3

Percentage of SLC Schools Implementing Each Type of SLC Strategy, Alone or in Combination With a Comprehensive “Structure” (n=105)

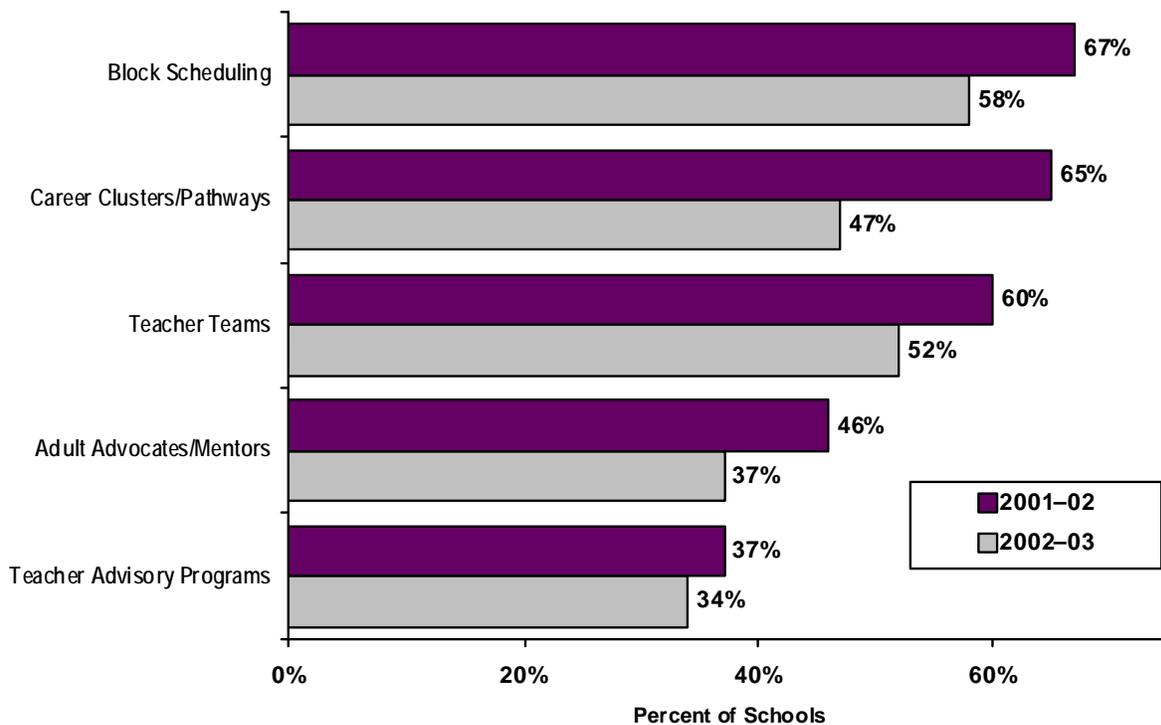


Exhibit reads: Sixty-seven percent of SLC schools reported implementing block scheduling in the 2001–02 school year, and 58 percent reported implementing block scheduling in the 2002–03 school year.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003, Other SLC Strategies Module, Question A: “Are you implementing this strategy/Were you implementing this strategy in 2002–03?”

Note: Percentages do not add up to 100 percent within a school year due to schools implementing more than one SLC strategy.

- Although SLCs can take a variety of forms—career academies, house plans, and strategies such as block scheduling—they all share the common goal of making the high school experience for all students more personalized. All but two Cohort 1 schools reported undertaking efforts to increase personalization. **The most popular mechanisms for enhancing personalization were school or classroom-based and involved providing individual assessments (76 percent), a cooperative learning focus (63 percent) or formal mentoring programs (47 percent).**

Exhibit ES.4

Percentage of SLC Schools Reporting Specific Mechanisms to Foster Personalization (n=103)

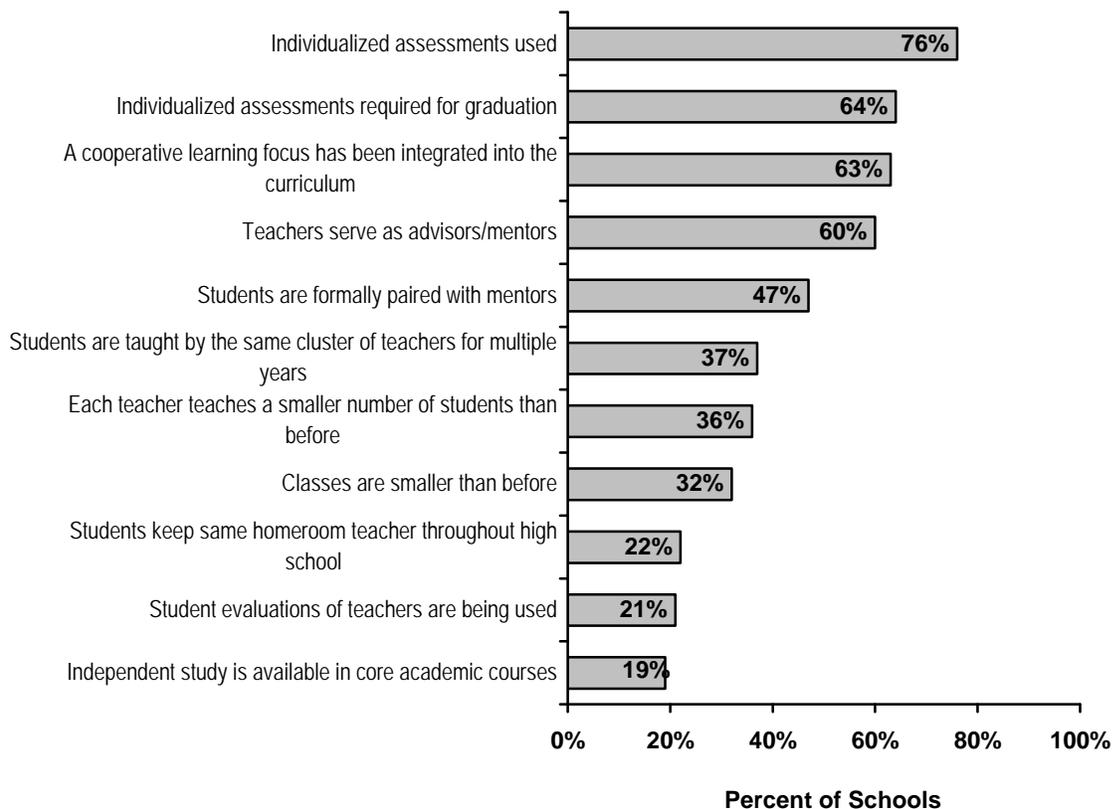


Exhibit reads: Seventy-six percent of SLC schools reported that they used individualized assessment throughout their school.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003

- Providing professional development for school staff in innovative teaching methods that challenge and engage students is another goal of the SLC legislation. **SLC-related professional development, although provided by nearly all Cohort 1 schools, was not very extensive.** SLC teachers received a little more than three days of professional development per year. In close to half of Cohort 1 schools (45 percent) teachers received less than 16 hours of SLC-specific professional development during the 2002–03 school year. **But although the time dedicated to these activities was limited, Cohort 1 schools reported providing a wide range of professional development activities for their teaching staff.** This included tailoring instruction to individual student needs (95 percent of

schools), subject matter content/curriculum (95 percent), problem solving and reasoning (93 percent), and strategies for helping low-achieving students (90 percent).

- A third goal of the SLC legislation was to include parents, business representatives, institutions of higher education, and other community resources as facilitators of schools' SLC activities and as links between students and their communities. **Cohort 1 schools generally reported success in involving community representatives in their SLC activities, with four-fifths of schools (82 percent) working with an external partner in 2002–03, up from two-thirds of schools (65 percent) in the previous year.** Partners included businesses, institutions of higher education, and community based organizations. Most schools used partners on advisory committees and as in-school volunteers. Those schools engaging external partners with their SLCs reported that they derived specific benefits for their students, including a range of career-related opportunities such as community service learning, internships, and job shadowing.
- **Schools were also able to involve parents in school activities, and to a lesser extent in the SLC program.** Over three-fourths of Cohort 1 schools generally reported parents' being involved in such school level activities as the PTA and school governance. More than two-thirds of schools (70 percent) reported some form of parental input into their SLC program after two years of funding.
- **Career academy programs were likely to develop some independence.** Career academies are likely to have autonomy over staff decisions (77 percent) and the creation of instructional leadership teams (77 percent).

The demographics of career and freshman academies often did not match the demographics of the school or freshman class. For example, about half of the schools with either career or freshman academies had race or ethnicity demographics that matched the class or school as a whole. About 29 percent of the career academies matched by gender, compared with three-fourths of the freshman academies.

What was the level of SLC implementation?

Using the self reported data from the PIS survey to assess the extent to which schools in the first cohort sample were able to implement career and freshman academies, the study developed a heuristic classification scheme of “high,” “moderate,” and “low” implementation based on specific criteria developed from the responses to the survey items.

Career Academy Implementation

Using data from the PIS survey and the criteria presented below, the study found that the largest number of schools had “moderate” implementation (26 of the 44 career academies). Eight were deemed to have “high” levels and 10 had “low” levels.

We defined a **high implementing⁵ career academy school** as one that includes the following

- Common planning time for teachers (for such purposes as facilitating integration of academic and vocational opportunities or discussing the needs of students they teach in common);
- Autonomy over such program policies as staffing decisions and discipline;
- Work-based learning opportunities and internship programs for students; and
- Career-related graduation requirements that included both course work and service learning projects or a cooperative working experience.

In addition a high implementing career academy school should have:

- An increased number of courses that integrate academic and vocational instruction or are specific to the SLC theme;
- Students taking more than half their course load within the career academy; and
- Enrollment by race in each academy matching the school as a whole.⁶

Among the **44 schools** with career academies with federal SLC funding, **eight met all of the first four criteria for a high implementing career academy**. Six of the eight had increased courses, and seven of the eight had students taking more than half their courses with the career academy. Four of the eight also had demographically similar students in their academies.

Moderately implementing career academy schools were those that had some but not all the features of high implementing career academies. For example, some schools have created common planning time for teachers and instituted career-related graduation requirement, but have limited autonomy over program policies. Other schools have achieved some degree of autonomy over program policy decisions and have instituted career-related graduation requirements. **Twenty-six of the 44 career academy programs met these criteria**. About two-thirds (12 of 19) of the moderately implementing career academies have demographically similar students within each of their academies.

Low implementing career academy schools had a few structures or requirements in place and had little autonomy over their operations. Ten of the 44 career academies fit this category. Two of the eight low implementing schools with demographic data have academy enrollment that mirror those in the school as a whole.

⁵ The indications “high,” “moderate,” and “low” are only meant to describe implementation and are not necessarily correlated to specific achievement outcomes.

⁶ The law authorizing SLCs mandates that the “method of placing students in the smaller learning community or communities [shall be] such that students are not placed according to ability or any other measure, but are placed at random or by their own choice, and not pursuant to testing or other judgments” (P.L. 107-110, Section 4441). Although no data were available on student ability and we were unable to distinguish student placement by self-selection, we were able to compare enrollments by race in each academy with total school enrollment.

Freshman Academy Implementation

Freshman academies had fewer requirements to meet than career academies. Specifically, using the available PIS data, a **high implementing freshman academy** school had the following features:

- At least weekly common planning time for teachers, so that teachers may discuss the needs of students whom they have in common;
- Autonomy over select program policy areas; and
- Enrollment by race in each academy matching the freshman class as a whole.

Of the 58 schools with freshman academies, 33 meet the first two criteria. They reported common planning time for teachers on at least a weekly basis and reported autonomy on at least four program policy areas, typically over staff and instructional leadership teams. Just half of the schools providing data, however (that is, 11 of 22), have each of their freshman academies matching the racial composition of the entire freshman class.

Moderately implementing freshman academy schools were those that have some but not all the features of high implementing freshman academy school. Thirteen freshman academy programs meet these criteria. They have autonomy over fewer program policies than high implementing schools. They are similar to high implementing freshman academies in that just over half (five of eight) have enrollments that mirror the freshman class as a whole.

The remaining 12 schools in the freshman academy sample had a **low level of implementation**. None have implemented common planning time, and they all reported having limited autonomy over school-level program policy decisions. Too few schools provided demographic data to compare academy enrollments to the entire freshman class.

What were the demographics of participation?

The law authorizing SLCs mandates that the “method of placing students in the smaller learning community or communities [shall be] such that students are not placed according to ability or any other measure, but are placed at random or by their own choice, and not pursuant to testing or other judgments” (P.L. 107-1010, Section 4441). If students were placed at random, on average they should mirror the demographics of the total population of the school or class; however, the law also allows student choice as the placement criteria. As noted above, about half of the schools with either career or freshman academies had their enrollments in each academy match the racial composition of the school (for career academies) or the freshman class as a whole (for the freshman academies). About half the schools with freshman academies had matched enrollments for limited English proficient students (LEP) and 38 percent of schools had similar LEP demographics for career academies. Three-quarters of the freshman academies had matched enrollments by gender, compared to just over a quarter (29 percent) of schools with career academies. As the data reported in the APR do not distinguish between enrollments based on school random assignment or student’s choices, it is not possible to ascertain the extent to which the differences in demographics are based on student choice rather than school assignment; however, these comparisons suggest that schools are clearly challenged to create academies that match the population from which the academies are drawn. As the data reveal, schools find it less difficult to have freshman academy groupings similar to the freshman class than to have career academies that mirror the demographics of the school.

What are the factors facilitating and inhibiting implementation in SLC schools?

- Cohort 1 SLC respondents reported a set of factors that appeared to facilitate implementation of an SLC initiative, including professional development specifically focused on SLCs; the availability of resources, including instructional materials; and a variety of teacher-related variables (e.g., attitudes toward reform, pedagogical practices, and expertise). Other factors may be linked with SLC reform efforts, including a school's prior involvement in SLC activities, the availability of external funding, and involvement in other SLC-related reform efforts.
- **Schools also perceived a number of factors to have a negative influence on SLC implementation, including scheduling and logistical issues, physical space, and school staffing needs, especially in terms of core academic teachers and guidance counselors.**
- A common set of factors affecting academy implementation emerged from case study visits and follow-up telephone interviews with a sample of Cohort 1 schools implementing career or freshman academies. **Facilitating factors included strong school leadership, involved and supportive districts, high levels of staff buy-in, and sufficient space to make programs separate. Inhibiting factors included staff and administrative turnover, weak school leadership, prescriptive district oversight of SLC reforms, and limited resources on the part of the school.**
- **Most career academy programs in the case study reported facing significant obstacles.** Ninth-grade students typically took only academic courses and most schools crafted one initial course in ninth grade to have students start thinking about career choices. Offering English language instruction for the non-English-speaking LEP populations within each academy is nearly impossible. The number of staff qualified to teach these courses is limited and for smaller academies there won't be enough students to meet minimum enrollment requirements.

APR Data on Outcomes

The section below presents a comparison of the reported APR data related to key program outcomes in the period just prior to program implementation and just after program implementation. The data are based on the SLC schools' self-reported data through Annual Performance Reports (APR).

Schools first completed the APR during the 2000–01 school year, at which time they also provided retrospective data for school years 1996–97 through 1999–2000. APR data were also collected annually for school years 2001–02 and 2002–03. The APR data includes information on academic achievement, school-related behaviors, and the achievement of academic milestones at the school level.

Limitations of the APR Outcome Analysis

While analysis of the APR data give some self-reported information on how schools were trending over time before receiving SLC funding and whether or not there was a measured shift in trends when schools received SLC funds, absent a valid comparison group, any inferences from this data about the impacts of SLC funding and implementation on those outcomes are clearly inappropriate. In addition, there are a number of very important caveats and limitations that also make use of this data for evaluation of outcomes or impact analysis inappropriate. These are summarized below.

- Many schools were engaged in implementing SLCs structures and strategies prior to receiving their federal grants, which could potentially have affected their pre-grant outcomes.
- APR school-level outcomes were based on both SLC participants and nonparticipants, potentially attenuating the results. That is, in many cases the SLC feature being implemented only directly affected a subset of students in the school, while outcomes were reported for the school as a whole.
- The data collection period did not cover a sufficient period of time to adequately capture changes in end of high school outcomes where implementation activities may have focused primarily on ninth-grade students.
- The dynamics of the SLC implementation process may have affected short-term school outcomes as schools adjusted to the task of restructuring. That is, restructuring such a large institution as a high school may not only lead to no immediate changes, but there may actually be a temporary worsening of outcomes as school staff take on and become accustomed to their new roles.
- Results are based on school-reported data, which varied greatly in quality and accuracy; specifically there is a serious measurement issue in terms of the lack of data comparability (both between districts and states).

Keeping in mind these limitations the APR data revealed the following with regard to short-term outcomes.

How do short-term outcomes for SLC schools, as measured by school-related behaviors, change over time?

- As measured by APR data, early changes in schoolwide reported outcomes after receiving SLC funding were modest or neutral, with a good deal of variation between schools.
- Where there is evidence of change, however, trends appear to be moving in the right direction for school-related behaviors. **Specifically, the APR data suggest an upward trend in student extracurricular participation and promotion rates from 9th to 10th grades.** The trend for extracurricular involvement in SLC schools showed a substantial and statistically significant increase of five percentage points in participation after receipt of SLC funding.

Exhibit ES.5

Percentage of Students Involved in Extracurricular Activities in Average SLC School (n=78)

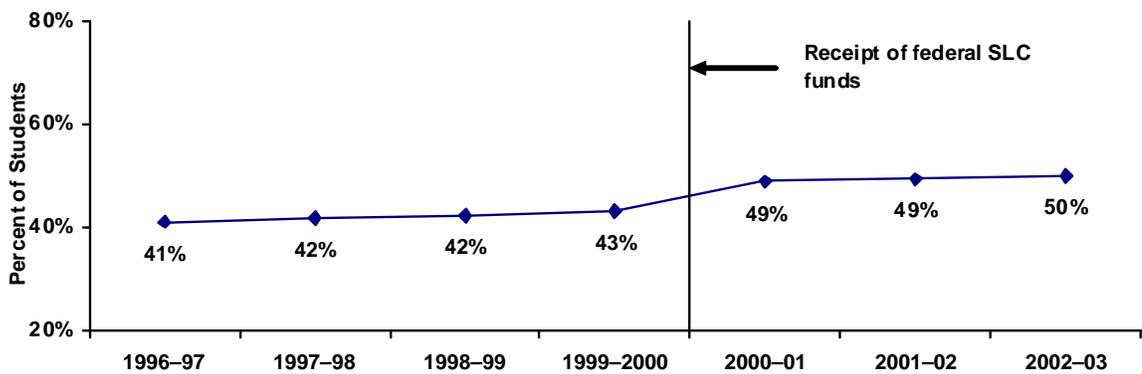


Exhibit reads: During the 1996-97 school year, 41 percent of students were involved in extracurricular activities in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, SY 1996-97 through SY 2002-03.

- Although ninth-grade promotion rates appear stable, on average, across all years of data collection, **there was a statistically significant positive trend in the percentage of 9th grade students being promoted to 10th-grade during the post-grant period.** This trend also held for SLC schools implementing freshman academies, which have as an expressed focus reducing the 9th-grade dropout rate. In addition, mean estimates were similar to the national average for large high schools by the end of data collection (85 percent).

Exhibit ES.6

Promotion Rate from 9th to 10th Grade in Average SLC School ($n=116$)

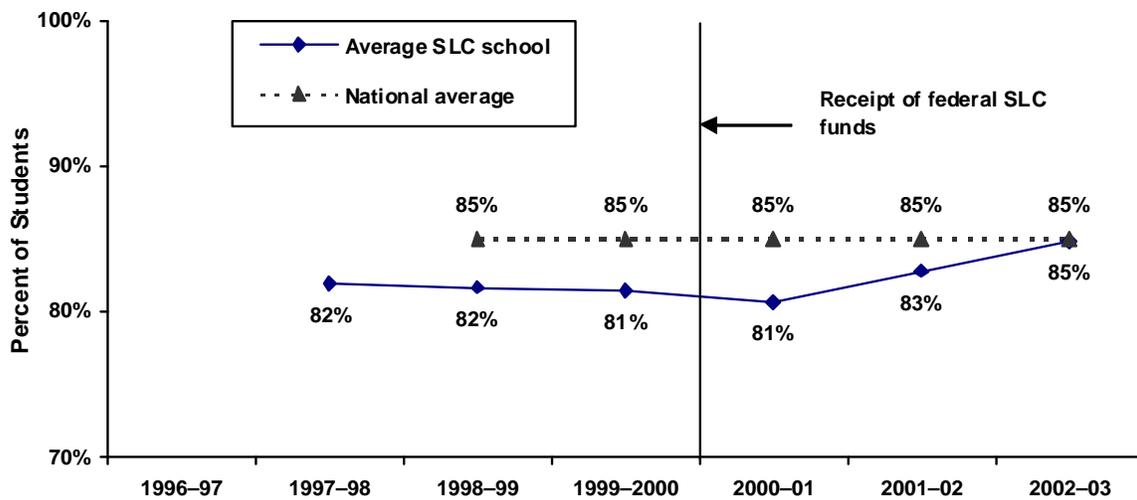


Exhibit reads: During the 1998–99 school year, 82 percent of ninth-grade students were promoted to 10th-grade in the average SLC school, compared to the national average of 85 percent.

Sources: Implementation Study of Smaller Learning Communities: Annual Performance Report, SY 1996–97 through SY 2002–03; Common Core of Data, Public Elementary and Secondary School Universe Survey Data, 1997–2003.

Notes: Data for SLC schools not available for SY 1996–97. National data not available for SY 1996–97 and 1997–98.

- **There was also a downward trend in the incidence of violence in SLC schools over time.** The three most recent years of data collection following the receipt of the SLC grant suggest that incidence of negative behaviors such as student violence may be on the decline. The data suggest that, on average, SLC schools experienced a statistically significant 1.4-point drop in the number of violent incidents (per 100 students) during the post-grant period.

Exhibit ES.7

Incidence of School Violence per 100 Students in Average SLC School ($n=100$)

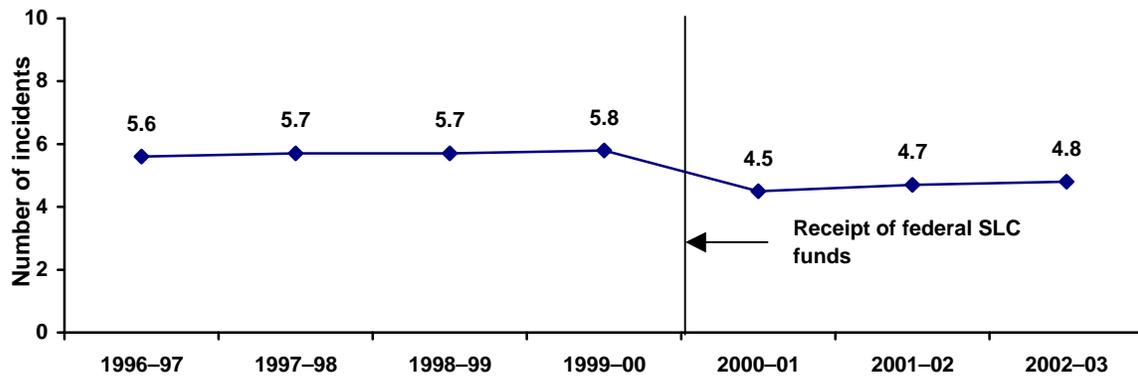


Exhibit reads: During the 1996-97 school year there were 5.6 incidents of school violence per 100 students in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, SY 1996-97 through SY 2002-03.

How do longer-term outcomes for SLC schools, as measured by attainment of academic milestones and student academic achievement, change over time?

- **As measured by APR data, early changes in schoolwide academic outcomes after receiving SLC funding were modest or neutral, with a good deal of variation between schools.** In particular, there were no significant trends in academic achievement, as measured by either scores on statewide assessments or college entrance exams.
- Where there is evidence of change, however, trends appear to be moving in the right direction for attainment of academic milestones. **For example, the data suggest increases in the percentage of graduating students planning to attend either two- or four-year colleges.** Between the pre- and post-grant periods, this percentage increased by about four percentage points, which is statistically significant. The absence of comparative national data, however, makes it difficult to infer whether this is due to receipt of the SLC grant rather than part of a more general national trend.

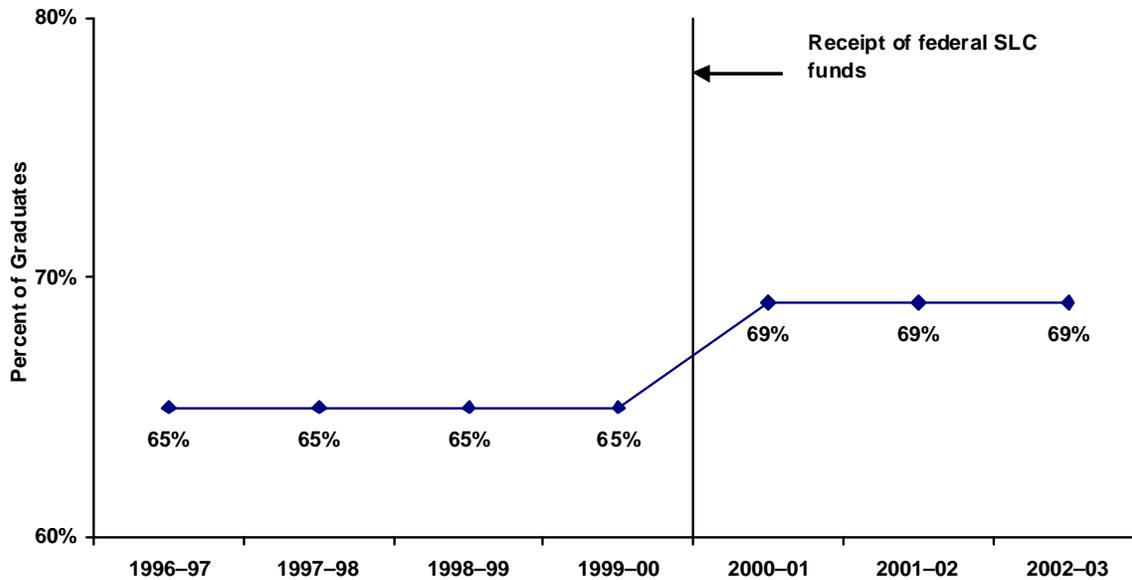
Exhibit ES.8**Percentage of Graduates Intending to Attend Two- or Four-Year Colleges in Average SLC School ($n=77$)**

Exhibit reads: During the 1996-97 school year, 65 percent of graduates intended to attend two- or four-year colleges in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, SY 1996-97 through SY 2002-03.

Sustainability of SLCs

The data suggest a serious commitment on the part of most SLC schools to sustain structural changes in the way their school and classrooms are organized. Specifically, close to three-quarters of those schools that report having made changes using SLC funding expect to sustain those changes after their grants end. For example, almost all (96 percent) of the schools that reported making their schoolwide core curricula more academically rigorous are committed to sustaining those changes even after their SLC funding has run out. Similarly, 94 percent of the schools that reported using more varied student assessments for grading and promotion decisions expect to sustain those changes in the future.

Although schools were less likely to report classroom-level changes with the federal SLC funding, at least 80 percent of the schools that had implemented classroom-level changes also reported that they would sustain them. One exception is reduced class size, a change that may not be within the power of the school to sustain.

Chapter 1

Introduction

This final report presents the findings from the implementation study of the Smaller Learning Communities (SLC) program. This introduction first describes the federal law, which defines the scope of the SLC program. Next, the study is briefly described through a presentation of the research objectives and the conceptual model underlying the implementation study. Finally, previous research on smaller learning communities and small schools is summarized.

Organization of the Report

This first chapter presents an overview of the SLC program, the study, and related research. Chapter 2 presents an overview of the study design, as well as a summary of the demographic characteristics of the SLC schools described in this report. The remainder of this report describes the implementation of the federal SLC initiative. Chapter 3 focuses on what schools are actually doing as well as the factors facilitating and inhibiting implementation of SLCs. Chapter 4 is devoted to a discussion of the unique implementation features of the two most widely used SLC structures, career academies and freshman academies. Because there is so much interest in how SLC schools are performing, we devote Chapter 5 to a discussion of student outcomes as reported by schools. Finally, Chapter 6 provides a summary of the findings from the previous chapters, and implications for further SLC implementation and research as well as further analyses for the follow-up report to be completed later this year.

Federal Smaller Learning Communities Program

The federal SLC program was established in response to the growing nationwide concern that students are too often lost and alienated in large, impersonal school structures leading to less effective learning environments. Large numbers of students attend large high schools. In 2001, 64 percent of the country's high school students attended schools of 1,000 or more students, with 42 percent attending schools enrolling more than 1,500 students (Common Core of Data, Public Elementary, Secondary School Universe Survey (2000–01)). Furthermore, larger high schools tend to serve disproportionately low-income (as measured by free and reduced-price lunch eligibility), urban, and minority youths—those most at risk of academic failure. Little rigorous research exists, but among the few studies available, findings suggest that students who attend small schools or who participate in SLCs earn higher scores on standardized tests than students who attend larger institutions (Wasley *et al.*, 2000). Authorized under Title V, Part D, Subpart 4, Section 5441(b) of the *Elementary and Secondary Education Act*, the SLC program was designed to allow grantees:

To study the feasibility of creating the smaller learning community or communities as well as effective and innovative organizational and instructional strategies that will be used in the smaller learning community or communities;

To develop and implement strategies for creating or expanding the smaller learning community or communities, as well as effective and innovative changes in curriculum and instruction, geared to high state content standards and state student performance standards;

To provide professional development for school staff in innovative teaching methods that challenge and engage students to be used in the smaller learning community or communities; and

To develop and implement strategies to include parents, business representatives, local institutions of higher education, community-based organizations, and other community members in the smaller learning communities, as facilitators of activities that enable teachers to participate in professional development activities, as well as to provide links between students and their communities (Section 10105 (b)).

Under this program, a large high school is defined as a school that includes grades 11 and 12 and enrolls at least 1,000 students in grades 9 and above. The legislation did not describe what structures or strategies could be used to create smaller learning communities within large high schools, although several methods were included in the Conference Report for the *Consolidated Appropriations Act of 2000* (P.L. 106-113, H.R. Conference Report No. 106-479, at 1240 (1999)). The restructuring methods include small learning clusters, “houses,” career academies, magnet programs, or schools-within-a-school. Strategies that complement a restructured large high school include block scheduling, freshman transition academies, advisory or adult advocate systems, academic teaming, multiyear groupings, and other innovations designed to create a more personalized high school experience for students, and thus improve student achievement. Local education agencies were encouraged to implement the most suitable structure or combination of structures and strategies to meet their needs.

In FY 2000, Congress appropriated \$45 million for the SLC program, and appropriated an additional \$125 million in FY 2001. In January 2002, the *No Child Left Behind* legislation (P.L. 107-110, Section 5441) reauthorized the program. Appropriations in FY 2002 totaled \$142 million. In addition, Congress has appropriated \$161 million in FY 2003 and \$174 million in FY 2004 for the SLC program.

Federal SLC funding is provided on a competitive basis to local education agencies (LEA). An LEA can submit an application either on behalf of a single school or multiple schools in the district. Funding is awarded to the districts, which then make the funds available to the school(s) on whose behalf they applied. In 2000, the U.S. Department of Education (ED) received a total of 149 applications for this grant competition. All eligible applicants (i.e., those districts with schools of 1,000 or more students) were rated by a team of reviewers and ordered by rank. In 2000, a total of 65 three-year implementation grants were awarded to districts on behalf of 125 schools enrolling over a quarter of a million students. These grants averaged approximately \$500,000 per school.

In addition to the federally funded SLC program, several national and local foundation-based initiatives have encouraged the implementation of smaller learning environments in large high schools. Since 2000, the Bill and Melinda Gates Foundation has invested more than \$600 million in small schools initiatives. The cornerstone of this funding is the National School District and Network Grants Program, which is directed at the creation of new, small high schools and the conversion of large high schools into smaller learning communities. The Carnegie Foundation of New York has joined forces with the Gates Foundation in this effort by pledging over \$40 million toward the redesign of some of the nation’s largest comprehensive high schools in eight cities. Other foundations have provided funding for reform efforts in the form of school downsizing, including the Annenberg Foundation, the Joyce Foundation, the Pew Charitable Trust, and the Annie E. Casey

Foundation. At the state or local level, Knowledgeworks (Ohio), Lumina Foundation (Indiana) and the Boston Private Industry Council (Massachusetts) are a small sample of the types of organizations undertaking similar work.

The Implementation Study of Smaller Learning Communities

In order to increase our understanding of the implementation of SLC's the Department of Education has contracted with Abt Associates to conduct the Implementation Study of Smaller Learning Communities. The primary purpose of the study is to evaluate the implementation of the federal education law that authorizes funding for the federal SLC program, by describing the strategies and practices used in implementing SLCs. The research questions addressed in this study are presented at the beginning of Chapter 2.

Conceptual Framework

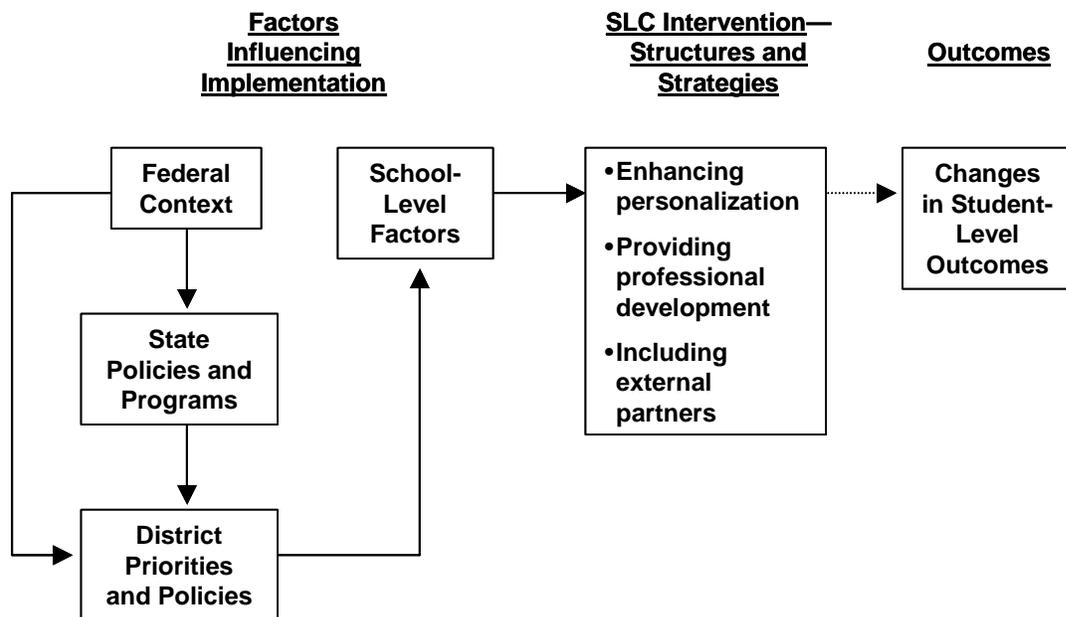
Exhibit 1.1 presents a conceptual framework summarizing the major groupings of variables in this study. The major conceptual groupings include: (1) facilitating and inhibiting factors comprising variables hypothesized to influence implementation, (2) intervention strategies and structures comprising the SLC program in each school, and (3) school-reported student outcomes that are the goals of the SLC program. The elements of the model are described below.

Factors Influencing Implementation

Implementation of the SLC program is facilitated and inhibited by a range of factors, including the context of federal and state policies and initiatives. The federal policy context establishes legislative objectives together with regulations, guidelines and provisions for meeting those objectives. The federal SLC legislation specifies criteria that grantees must meet to be eligible for participation in the program, and the Grants Announcement provides guidelines that they must follow in implementation. State-level priorities for assessment and accountability, and other initiatives targeted at secondary school reform, are relevant contextual factors in understanding how SLC grants are put into action.

District priorities and policies, as well as school-level factors, also shape the subsequent implementation of SLC plans. At the district level, these include the degree of autonomy afforded to schools and the resources allocated to schools for restructuring, as well as district-level accountability and assessment practices. Implementation of the SLC model is further mediated by a host of school-level factors, including school organizational features (e.g., degree of tracking or availability of advanced placement courses), school policies, and school climate, as well as prior or current participation in other SLC reform initiatives.

Exhibit 1.1**Conceptual Model, Implementation Study of Smaller Learning Communities**



Note: It should be noted, however, that a broken arrow represents the line between school process and student outcomes. As the study is not designed to measure impacts, we cannot say unequivocally that implementation of an SLC will necessarily lead to more positive student outcomes.

Source: Abt Associates, Inc., 2007.

SLC Intervention—Structures and Strategies

The federal legislation authorizing the SLC program gave broad latitude to grantees in terms of how to direct their funding. Funds could be used to provide training and professional development opportunities for school staff in curricular and instructional practices to be implemented in the newly created school environment, as well as to devise strategies to include other stakeholders such as parents, local businesses, and community-based organizations in the activities of the SLCs. Grantees were encouraged by the program guidance to use their funds to implement any combination of SLC structures involving actual restructuring of their schools and strategies designed to enhance personalization. Exhibit 1.2 summarizes the various allowable SLC structures and strategies as defined by the SLC program.⁷

Outcomes of SLC

The model posits that as schools begin to implement structures and strategies designed to bring about increased personalization, various student-level outcomes should also begin to undergo change. Measured at the school level, these changes might take the form of improved student behavioral

⁷ These definitions were provided to grantees as part of their instructions for filling out their Annual Performance Reports. They are also available on the SLC Program Web page: <http://www.ed.gov/programs/slep/strategies.html>.

outcomes (including increased attendance and promotion rates), improved school climate (such as decreased disciplinary incidents, decreased incidences of alcohol and tobacco abuse or school violence), as well as changes in longer-term outcomes, including overall improvement in student academic achievement and academic milestones, such as improved graduation rates.

Exhibit 1.2

Allowable Smaller Learning Community Structures and Strategies as Defined by SLC Program

(In the APR schools were asked to list their activities according to the list below)

SLC Structures (More Comprehensive Restructuring)

Career Academies are one type of school-within-a-school that organize curricula around one or more careers or occupations. They integrate academic and occupation-related classes.

Freshman Academies, also called **Ninth-Grade Academies** or **Freshman Transition Activities**, are designed to bridge middle and high school. They respond to the high ninth-grade dropout rate experienced by some high schools.

House Plans are comprised of students assembled across all grades or by grade level (e.g., all 11th- and 12th-graders) and assigned to groups of a few hundred each. Each house has its own disciplinary policy, student activity program, student government, and social activities. Students take some or all courses with their house members and from their house teachers.

Schools-Within-a-School break large schools into individual schools. Individual schools are multi-age and may be organized around a theme; they are separate and autonomous units with their own personnel, budgets and programs. Schools-within-a-school operate within a larger school, sharing resources and facilities. Students and faculty typically affiliate with only one of the schools-within-a-school.

Magnet Schools generally have a core focus (e.g., math and science, the arts). They usually draw their students from the entire district.

SLC Strategies (Complement Structures or Implemented Alone)

Block Scheduling: Class time is extended from 45- or 50-minute periods to blocks of 80 to 90 minutes. The added time allows teachers to provide individual attention and work together in an interdisciplinary fashion and permits a greater variety of learning activities.

Career Clusters, Pathways and Majors: These are broad areas that address all careers within the area, from technical through professional. Career clusters identify academic and technical skills needed by students as they transition from high school to postsecondary education and employment.

Adult Advocates or Mentors: This model of personalization ensures that each student is known well by at least one staff member. Teachers, counselors, other staff, and community volunteers—all of whom must be trained—can fulfill this “caring adult” role. Adult advocates meet with 15 to 20 students individually or in small groups on a regular basis over several years, providing support and academic and personal guidance.

Teacher Advisory Program: This model of personalization changes homeroom period to a teacher advisory period. Typically, administrators and teachers are assigned to a small number of students for whom they remain responsible over three or four years of high school.

Teacher Teams: Academic teaming organizes groups of teachers across departments so that teachers share the same students rather than the same subject. Teachers who teach different subjects form a team that shares responsibility for curriculum, instruction, evaluation and discipline for a group of 100 to 150 students.

Related Research

School Size

The movement to develop SLCs has emerged from advocacy research and practice that suggests the superiority of smaller schools.⁸ Since the 1950s there has been a debate about the effects of school size, with proponents of both larger (Conant, 1959) and smaller schools (Barker and Gump, 1964), advancing social and economic arguments to support their views. For example, larger schools have been hypothesized to provide more opportunities for advanced courses and to be more cost-efficient, whereas smaller schools have been expected to offer more individualized learning opportunities.

During the past 40 years, as the average size of high schools has increased dramatically, the proponents in favor of smaller school settings have grown more vocal in their arguments. Practitioners have not waited for solid empirical research evidence to address the perceived problems of large schools (Dynarski, Gleason, Rangarajan and Wood, 1998; McMullan and Wolf, 1991). In 1996, the National Association of Secondary School Principals (NASSP) clearly endorsed the SLC approach by publishing *Breaking Ranks: Changing an American Institution*, a manifesto calling for a greater level of personalization in education.

School Restructuring, Reorganization, and Smaller Learning Communities

In the absence of the resources necessary to build new, smaller schools, a variety of approaches have been developed to make large schools seem smaller.⁹ By breaking large schools into smaller subunits, practitioners hope to create more personal environments despite the actual enrollment. The body of research on restructuring schools has yielded the following general findings:

- Small schools and larger schools that have restructured may produce similar student outcomes (Raywid, 1996).
- Positive outcomes of restructured schools include increased academic achievement, increased academic equity, increased student engagement, more positive teacher-student relations, and a decreased dropout rate (Raywid, 1996).

Much of the literature on SLCs consists of case studies and evaluations of individual schools. Studies could not be found that include large numbers of schools or focus on a whole-school model in which all students are included in some form of SLC. Certain strategies, such as freshman academies, are typically used in combination with other strategies, which means that little published research is

⁸ The research findings cited here are drawn from Page *et al.*, *National Evaluation of Smaller Learning Communities: Literature Review*, Abt Associates Inc., 2002 (unpublished manuscript). It must be noted that the small schools research findings are merely suggestive of possible outcomes of SLC restructuring given that small schools may possess student- or school-level characteristics other than school size alone that contribute to their effectiveness.

⁹ Education reformers strongly support creating smaller schools, based on extant research, but as Raywid (1996) points out, there are also a considerable number of large schools that are already functioning well, and logistical issues and financial costs argue for maintaining the physical site of large high schools. Consequently, schools turn toward the creation of within-school subunits.

available addressing these strategies in isolation.¹⁰ Research findings, drawn from an extensive review of the literature for other SLC structures, are grouped together below:

- **Career academies:** Career academies organize curricula around one or more careers or occupations. The most rigorous research using an experimental design has been conducted on this strategy. Studies found moderate positive economic outcomes. For example, career academy graduates exhibit better employment outcomes, including earnings, work attendance, and work performance, than other graduates (Elliot, Hanser and Gilroy, 2000; Kemple, 1997, 2001; Kemple and Snipes, 2000).¹¹
- **Schools-within-a-school:** These are multi-grade, separate, autonomous individual subunits organized around a theme, each with its own personnel, budget and program. Less rigorous nonexperimental studies have found modest improvement in academic, behavioral, attitudinal and process outcomes for school-within-a-school students (Oxley, 1997; Wasley *et al.*, 2000).
- **Houses:** House plans assign students within the high school to groups of a few hundred each across grades. Each house has its own discipline policies, student activity program, student government, and social activities. Individual houses, however, are less autonomous than school-within-a-school programs. Research on this strategy, unfortunately, has been quite limited.
- **Magnet schools:** These have a core focus (e.g., math and science, or arts), recruit students from the entire district, and sometimes select students meeting their selection criteria. Consequently, nonexperimental study findings of improvement in outcomes are potentially confounded by selection bias. Much of the research on magnet schools has focused on their effectiveness as a desegregation tool, but some of it has focused on outcomes of interest for SLCs. Some studies with the above limitations did find indications of greater student achievement and greater educational equity in magnet schools than in non-magnets (Gamoran, 1996; Duax, 1992).

In addition, the literature has reported on the effectiveness of strategies such as alternative scheduling. The most common form of this strategy, block scheduling, changes the way time is used in school by lengthening class periods and altering daily or annual schedules. Studies reviewed yielded insufficient evidence to support generalizations about effects of alternative scheduling on students.

Finally, a recent research effort has been launched to study the implementation process of converting large high schools into smaller learning communities as part of the Gates Foundation National School District and Network Grants Program (American Institutes for Research, 2003). The early findings from this study have highlighted the initial difficulties schools face in creating new learning environments focused on smallness and increased personalization. The study further contrasts the more challenging task schools face in converting large schools as opposed to starting new schools. In

¹⁰ Freshman academies take a variety of forms, but are generally designed to help ease the transition from middle school to high school.

¹¹ More recent evaluations of two comprehensive high school reform models that include SLC components—High Schools That Work and Talent Development High Schools—have reported enhanced outcomes for students; only two of these, however, are third-party evaluations (one of which has not yet been completed), and none is experimental.

these conversion schools, there was typically a longer planning process and start-up period involved than in the new small schools. Moreover, the findings from this study has confirmed the difficulty one faces in measuring “outcomes” on schools as they are immersed in the early stages of reconstituting an existing school structure and procedures.

Facilitators and Challenges in Implementing Smaller Learning Community Reforms

Research on what factors contribute to effective implementation of SLCs consists primarily of anecdotal evidence, relying for the most part on the small schools research. For example, Raywid (1998) attributes the success of small schools to strong commitment on the part of teachers, a coherent mission on the part of school administrators, and a relative level of autonomy for the smaller school units. Ancess (1997), in a report offering strategies on how to launch small schools, cites commitment on the part of staff, students, and parents and sufficient financial resources, among others, as important components critical to their success.

In her 2001 review of literature on smaller learning communities, Kathleen Cotton, late of the Northwest Regional Educational Laboratory, cites several factors, in addition to broad community support, that are critical to successful SLC implementation. Among factors mentioned are autonomy, programmatic separateness and distinctiveness, and the self-selection of students and teachers. Other key factors identified include a mission or vision supported by careful planning; schools—both students and staff—need to know where they are going, why, and how they are going to get there. Implementation must be accompanied by professional development to support teachers in the transition to SLCs and in developing skills of collaboration. Finally, efforts to sustain support over a period of time are critical so that implementation may be thorough rather than shallow (Cotton, 2001).

Challenges to creating SLCs arise from both districts and schools. District reluctance to change can undermine schools’ efforts. In schools, problems can arise from logistical issues such as bell schedules or cafeteria space. Wasley *et al.* (2000) cite several other issues, including enrollment or student assignment procedures, principal support and turnover, and staff conflict and turnover. If principals are reluctant to share power, there is likely to be conflict with teachers and sub-unit heads (Pribesh, Lee and Osuna-Currea, 2001). Another challenge is the possibility of inadvertently creating hierarchies that segregate or resegregate students as they gradually choose some units over others, based on academic demand or existing membership (Ready, Lee and LoGerfo, 2001). It has also been noted that implementation of SLCs may require increases in budget, planning time, or staff in order to be successful (Legters, 1999).

Chapter 2

Study Design and Sample

This chapter begins with the presentation of the study design and measures used in describing implementation of the first group (cohort) of grantees funded through the SLC program. This group includes 119 schools funded through 63 three-year implementation grants awarded to school districts in fall 2000.¹² The chapter concludes with a description of the schools and students in this first cohort of funded schools. The Implementation Study of Smaller Learning Communities addresses three major research questions:

- How are schools implementing SLCs—what are the principal strategies, models and practices implemented? In particular, do the SLC activities undertaken by schools meet some of the goals of the SLC legislation, such as:
 - Increasing personalization of the high school experience for all students, to counter the effects of large, impersonal school structures?
 - Providing professional development for school staff in innovative teaching methods that challenge and engage students?
 - Including parents, business representatives, institutions of higher education, etc. as facilitators of activities and to provide links between students and their communities?
- How does implementation vary by approach and type of school, specifically with respect to freshman and career academies?
- What are the factors influencing (i.e., facilitating and inhibiting) implementation in SLC schools in general, and specifically with respect to freshman and career academies?

In addition, because there is an interest in determining the feasibility of using school performance data for estimating student impacts, an additional research question for this study is:

- How do outcomes for SLC schools change over time?

Overview of the Study Design and Measures

The Implementation Study of Smaller Learning Communities provides the first comprehensive description of federally funded SLCs as implemented, and also provides data that will aid in understanding SLC school outcomes. To assess program implementation and to describe school outcomes, data have been collected on two groups of SLC schools: the 63 grantees (119 schools) that received three-year implementation grants in the first year of funding (fall 2000) and the 88 grantees (222 schools) that received funding in the second cycle (fall 2002).¹³

¹² Cohort 1 originally consisted of 65 grantees (125 schools) receiving SLC funding. Program attrition, however, has reduced this sample to a total of 63 grantees and 119 schools. A complete list of the Cohort 1 SLC grantees included in this study is presented in Appendix A.

¹³ This report does not include findings from the second cohort of 222 SLC schools funded in 2002. These schools were surveyed at only one time and did not have any case study visits. Findings for this cohort of SLC schools are summarized in the unpublished *Cohort 2 Follow-up Report* (Bernstein, Millsap, and Schimmenti, 2005, unpublished) available upon request.

This report includes data for only the first cohort of 63 grantees and relies on three major sources of data: **Annual Performance Reports (APRs)** completed by all Cohort 1 grantees or schools funded through the SLC program; a **Periodic Implementation Survey (PIS)**, administered to all 119 Cohort 1 schools at two time points; and in-depth **case studies** of 18 Cohort 1 SLC schools. Site visits to these 18 schools were completed in fall 2002 and follow-up telephone interviews were conducted during spring 2004. Each of these measures is defined below. The timeline for collecting data for Cohort 1 is summarized below in Exhibit 2.1.

Exhibit 2.1

Timeline for Implementation Study of Smaller Learning Communities by Data Collection Method

Measures/Samples	2001–02		2002–03		2003–04	
	Fall	Spring	Fall	Spring	Fall	Spring
Annual Performance Report (APR)^a						
Cohort 1 (n=119)	✓		✓		✓	
Periodic Implementation Survey (PIS)^b						
Cohort 1 (n=119)		✓			✓	
Case Studies^c						
Cohort 1 (n=18)			✓ (site visit)			✓ (telephone follow-up)

- Notes:
- a APR data collected in the fall of each year relate to the previous school year.
 - b PIS data cover period through time of data collection. Spring 2002 PIS covers school years 2000–01 and 2001–02. Fall 2003 PIS covers school year 2002–03.
 - c Case study data cover period through time of data collection. Fall 2002 site visit covers school years 2000–01 and 2001–02. Spring 2004 telephone follow up covers school years 2002–03 and 2003–04.

Source: Abt Associates, Inc., 2007.

Annual Performance Report

The APR is collected by ED on an annual basis from all SLC grantees or schools to assess schools in terms of both implementation of their SLC as well as on several indicators of educational performance. These data are required by ED for program monitoring purposes and were not specifically designed to address the research questions for this study. The information is obtained at the grantee level (e.g., grants director, SLC project director) for each school with assistance from school principals. The data are measured at the school level for all students, so may not necessarily reflect outcomes attributable only to that portion of students involved in SLCs. The APR first

provides district and school background information, the number and type of SLC approaches, and general background information on the students. The APR also asks grantees to provide narrative text on project status, including any changes that have been or will be made to SLC approaches; these data were not analyzed as part of the evaluation.

The APR includes a number of student outcome measures, such as:

- State-level assessment scores,
- College entrance exam data,
- Attendance,
- Graduation rates,
- Planned postsecondary enrollments,
- Dual enrollments (i.e., simultaneous enrollment in secondary and college-level courses),
- Participation in extracurricular activities, and
- Disciplinary indices, such as incidences of student violence, alcohol or tobacco use, and suspensions and expulsions.

These student outcome data are reported at the school level, broken out by grade. In the first round of APR data collection (fall 2001), schools were asked to provide data for the first implementation year after applying for SLC funds (SY 2000–01) as well as for the preceding four years. Subsequent administrations of the APR cover the most recently completed school year only.

The APR is based on self-reported data submitted to ED by each SLC grantee. These data were collected through 2003 with the assistance of Abt’s subcontractor, the CDM Group, which was also responsible for entry and review of the data for each responding school.¹⁴ In the case of missing or out-of-range values, the data were verified either through callbacks with the grantee or via external data sources, such as Web sites maintained by state-level departments of education. Although instructions were given to each grantee defining how the APR should be filled out, considerable variation exists among grantees in terms of how certain outcomes, such as planned postsecondary attendance and extracurricular activities were interpreted. Moreover, measures of student academic performance on reading and mathematics tests are strictly state-specific, according to the varying definitions of proficiency used by each state. A copy of the APR can be found in Appendix B.

Periodic Implementation Survey

The Periodic Implementation Survey (PIS), specifically designed for this study, provides substantially more detailed information on the implementation of various SLC strategies across all schools. The school principal or a designee such as the school’s SLC director typically completes the PIS. There were two administrations of PIS data collection (spring 2002 and fall 2003).¹⁵ This survey of the SLC schools addresses the following topics at the school level:

¹⁴ Response rates for the SY 1996–97 through SY 2002–03 administrations of the APR have ranged from 97 to 100 percent.

¹⁵ Response rates for the spring 2002 and fall 2003 PIS data collections were 97 percent and 90 percent, respectively. For this report, however, we only present results on the 105 Cohort 1 schools responding to both administrations of the PIS.

- **SLC structure:** Timing of funding; student eligibility, selection, and demographics; degree of SLC autonomy in a number of areas; and other reform efforts that are underway.
- **SLC program implementation:** SLC structures and strategies implemented, reasons for implementing SLCs, and teacher participation in deciding to implement an SLC.
- **Factors affecting implementation:** Ratings of a number of factors, such as available resources, physical space, faculty expertise, and parental support; ratings of other funds available that are used to support program goals.
- **Faculty and Staff information:** Degree of staff involvement in SLC, how teachers were assigned to SLC, and staffing needs.
- **Student-staff relationships:** Mentoring programs and advisories.
- **Parental influence:** Type and degree of parental involvement.
- **Academic and nonacademic aspects of the SLC or school:** Changes (if any) in course offerings and student course-taking patterns, types of student assessment used, and graduation requirements for SLC and other students.
- **Background information about the respondent and the school:** Principal's experience, current school involvement in other reform efforts, decision-making responsibility in areas such as curriculum and school organization, graduation requirements, staffing needs, parent involvement, and external partners.

In addition to this school-level information, the survey also provides detailed information at the SLC structure level. To obtain a more detailed understanding of SLC implementation, the survey was structured to provide separate “modules” for each of the five major SLC structural approaches: career academies, freshman academies, house plans, magnet schools, and schools-within-a-school. Schools were instructed to complete modules for each SLC structure implemented. In addition, schools were asked to characterize, if applicable, their implementation of other common SLC approaches: block scheduling, career clusters, pathways or majors, adult advocates or mentors, teacher advisory programs, and teacher teams. The data by structure include student participation, degree of autonomy, teacher assignment, assessments, and level of decision-making. Copies of the two administered PIS surveys can be found in Appendix C.

It should be noted that the PIS survey data are also based primarily on self-reported perceptions, and thus may reflect varying definitions of SLC implementation maintained by principals from school to school filling out the survey. As was the case with the APR, missing data from the survey were minimized by callbacks to the schools, requesting the information needed.

Case Studies

The case studies, based on two-day site visits conducted in fall 2002 with telephone follow-up interviews conducted in spring 2004, involved a total of 18 Cohort 1 schools that implemented their planned SLC programs in the form of either freshman or career academies. Information was

collected primarily in individual and group interviews with district and school program staff, teachers, parents, and students, and also by classroom observations.¹⁶ The case studies were designed to provide in-depth information about the implementation of restructuring practices in a sample of the SLC sites, as well as the factors facilitating or inhibiting successful implementation. The set of site visits provides answers to questions tailored to each school about its progress in SLC implementation, and elaborates upon topics covered more broadly in the PIS, such as the strengths and challenges schools face in their implementation of different SLC strategies; contextual data about the host districts and communities; and rationales and background information about why grantees have selected specific approaches for their own high schools.

Freshman academies and career academies were selected for more intensive study because they are the most commonly reported SLC structures among Cohort 1 schools. In selecting schools, we wanted to focus on those schools that were far along in the implementation process and who were involving all of their students eligible for participation (e.g., all ninth-graders in a freshman academy). Thus, two important criteria were initially adopted for the site selection process:

- **Student participation:** Schools report that 100 percent of their ninth-graders were participating in a freshman academy program, or, in the case of career academies, schools report that 100 percent of students were participating in a career academy in at least one grade level.
- **Degree of SLC implementation:** Schools report making considerable progress toward full implementation. In the case of freshman and career academies, the selection process initially stipulated that schools report on the PIS a 75 percent or greater level of progress towards full implementation based on their plans for their federally funded SLC program implementation.

Unfortunately, the site selection criteria were too rigorous for most schools to meet. Of those employing career academies, only five schools met the above two criteria. We were able, however, to recruit an additional three schools adopting career academy approaches with participation rates of at least 75 percent in one or more grades and implementation rates of 50 percent or greater. In the case selected had a participation rate of 100 percent in its freshman academy, and reported that it had made 65 percent progress toward full implementation. Thus, after an extensive recruitment process, we were able to include in the case studies a total of **eight schools adopting career academy approaches and ten schools with freshman academies.**

It should be noted here that the schools reported on in this study only represent those schools receiving federal SLC funding in the first cohort. Thus, any results reported here pertain only to these schools and should not be used to make generalizations about implementation strategies being used in other restructuring schools that are not receiving federal SLC funding.

This report focuses on the cohort of SLC schools that were eligible to start receiving funding in fall 2000.¹⁷ Data included in the analyses are based on the fall 2001, fall 2002 and fall 2003

¹⁶ A copy of the site-visit format that guided the content of the case studies can be found in Appendix D.

¹⁷ All the schools received funds in FY2000 but only 60 percent of their award; the remaining 40 percent was awarded in FY2001 from FY2001 funds. Because schools will normally only expend 30 percent of the award in the first year this should not delay initiating the grant.

administrations of the APR, the spring 2002 and fall 2003 administrations of the PIS, and the case studies of 18 schools implementing either freshman or career academies.

School and Student Characteristics in Cohort 1 SLC Schools

This section of the report describes school and student characteristics in Cohort 1 SLC schools compared to demographic characteristics of large schools nationwide for SY 2000–01.¹⁸ The data sources for Cohort 1 SLC schools are the APR and the SLC Awards Database (www.sedl.org/slc/), prepared by Southwest Educational Development Laboratory. We begin our discussion with a description of how the national comparisons were generated.

Generating National Comparisons

Data from the *Common Core of Data, Public Elementary, Secondary School Universe Survey, 2000–01* were used to generate a national comparison for the group of Cohort 1 SLC schools. Beginning with all schools in the sample ($n=96,570$), the dataset was first screened to include only those schools classified as regular, vocational, or other alternative, and only those schools classified as high schools or other. Next, the dataset was further restricted to match the SLC grant application stipulation that SLC grantees have students in grades 11 and 12 and have 1,000 or more students in grades 9 through 12. Further, schools with grades 9–12 enrollments of 1,000 or greater that also enrolled students in elementary and middle school grades were excluded from the national comparison group because none of the Cohort 1 SLC schools had this configuration. The resulting national comparison group of large high schools is based on 4,733 schools.¹⁹ Variation in cell sizes is the result of missing data.

Geographical Location

The Cohort 1 SLC schools are located in 27 states across the country, depicted in Exhibit 2.2. As the map indicates, these schools represent all geographical regions in the U.S. Specifically, as shown in Exhibit 2.3, the schools are primarily concentrated in the West, representing one-third of the sample (the state of California alone accounts for 23 percent of the Cohort 1 schools). Over a fourth (27 percent) of the schools are located in the South, with the remaining 40 percent of schools divided equally between the Midwest and Northeast. Compared to other large high schools nationwide, the sample of SLC schools is more heavily represented in the West, and conversely less heavily in the South (Exhibit 2.3).

Almost all of the Cohort 1 schools (96 percent) are located either in or near urban areas. As Exhibit 2.4 indicates, 60 percent of the Cohort 1 schools are located in either large or mid-size central cities (compared to a third of large U.S. high schools), with an additional large group of schools (36 percent) located in suburban areas. Only 4 percent of the Cohort 1 schools are located in a rural or town setting (compared to 21 percent of large U.S. high schools).

¹⁸ Appendix E, Exhibit E.1, contains summary demographic characteristics for Cohort 1 SLC schools from 1996–97 through 2002–03.

¹⁹ This group of large U.S. high schools also includes the SLC schools in our study.

Exhibit 2.2

SLC Grantees—Cohort 1



Shaded states indicate states containing SLC Cohort 1 grantees. Individual grantees indicated by “*” symbol.

Source: Abt Associates, Inc., 2007.

Exhibit 2.3**Geographical Regions of SLC Schools Compared to Large U.S. High Schools**

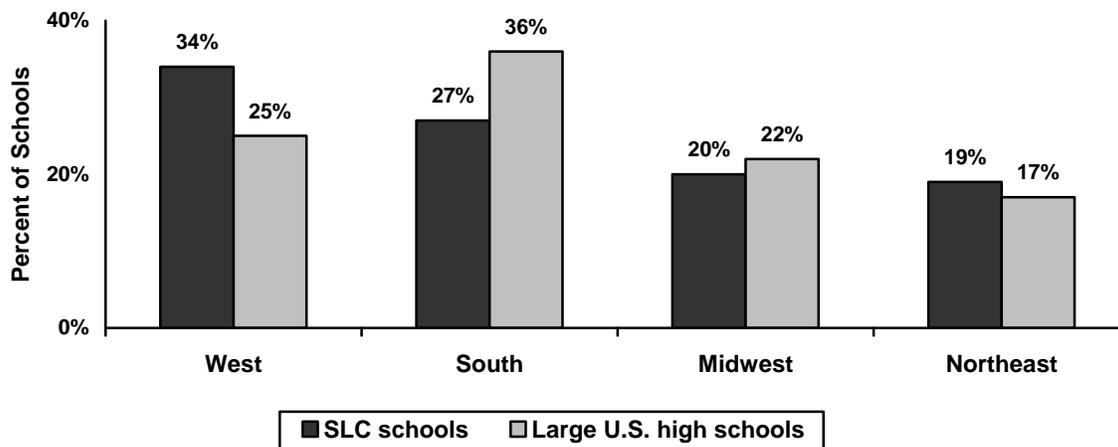


Exhibit reads: Thirty-four percent of SLC schools are located in the west, compared to 25 percent of large U.S. high schools.

Source: Southwest Educational Development Laboratory–SLC Awards Database; Common Core of Data, Public Elementary and Secondary School Survey, 2000–01.

Exhibit 2.4**Urbanicity of SLC Schools Compared to Large U.S. High Schools**

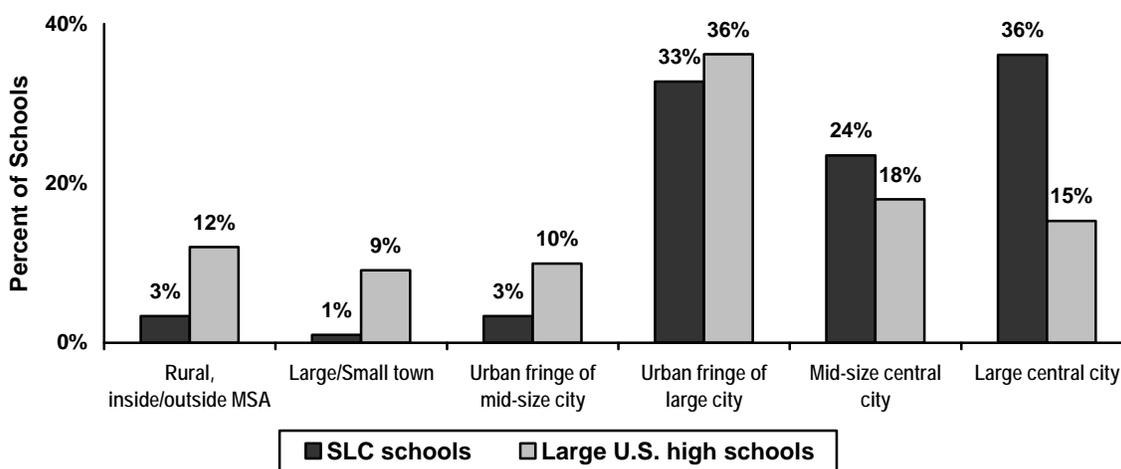


Exhibit reads: Three percent of SLC schools are located in a rural setting, compared to 12 percent of large U.S. high schools.

Source: Southwest Educational Development Laboratory–SLC Awards Database; Common Core of Data, Public Elementary and Secondary School Survey, 2000–01.

School Size

The 117 Cohort 1 SLC schools that completed an APR served a total of 228,944 students during the 2000–01 school year. The average size of these high schools during that year was 1,957 students (median = 1,874), which, as shown in Exhibit 2.5, is larger than their reference group of large U.S. high schools (mean = 1,697, median = 1,554). Exhibit 2.6 summarizes the distribution of SLC schools in terms of school size and provides comparison data for all large U.S. high schools. As the exhibit shows, the majority of schools (54 percent) fall within the range of 1,500 to 2,500 students.

Exhibit 2.5

Demographic Characteristics of SLC Schools and National Comparisons With Large U.S. High Schools^a

	SLC Schools					Large U.S. High Schools				
	<i>n</i>	Mean	Median	25th Percentile	75th Percentile	<i>n</i>	Mean	Median	25th Percentile	75th Percentile
Total enrollment ^b	117	1,957	1,874	1,402	2,216	4,733	1,697	1,554	1,251	1,983
Percent of minority enrollment ^c	117	57%	60%	29%	87%	4,492	33%	22%	7%	51%
Percent of LEP enrollment	117	11%	6%	<1%	17%	3,897	9%	4%	1%	12%
Percent of students with disabilities enrollment	117	10%	10%	6%	14%	4,591	13%	12%	11%	14%

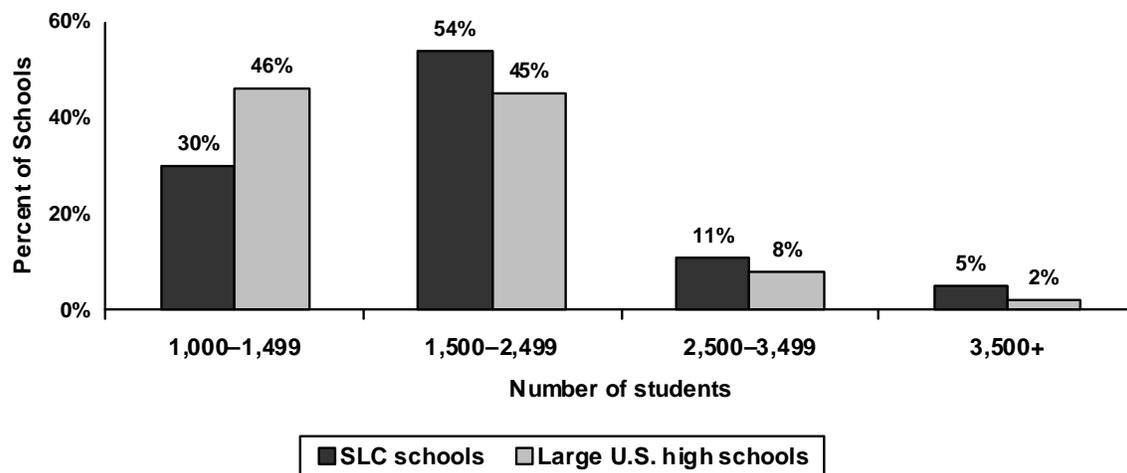
Notes: a National comparisons of limited English proficiency (LEP) and students with disabilities enrollment information were not available at the school-level. Rather, data were available at the district-level through the *Common Core of Data, Local Education Agency Universe Survey, 2000–01*. In order to generate estimates of percentage of student population that is LEP or is disabled, the district-level dataset was linked to the school-level dataset, restricted to contain only large high schools. In the case of multiple schools within one district, district-level data is present in the dataset for each school. Further, LEP or disabilities estimates were not able to be determined for high school students only. Rather, national estimates were created based on total district membership. That is, percentage of student body that is LEP was created by dividing the number of LEP students served in appropriate programs by the calculated total student membership of the local education agency. The estimate of percentage of students with disabilities was created similarly, using the number of students having a written Individual Education Plan as the numerator.

b National comparison calculated by summing total student enrollments in grades 9–12. Source: *Common Core of Data, Public Elementary, Secondary School Universe Survey, 2000–01*.

c Minority enrollment defined as the sum of the following race or ethnic categories: American Indian or Alaska Native, African-American, Hispanic, and Native Hawaiian or Pacific Islander. National comparison calculated by summing total minority student enrollments in grades 9–12 and dividing by total student enrollment for which ethnicity was known.

Source: Abt Associates, Inc., 2007

Exhibit 2.6**Total Student Enrollment of SLC Cohort 1 Schools, Compared With Large U.S. High Schools**



Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000-01; Common Core of Data, Public Elementary and Secondary School Universe Survey, 2000-01.

Exhibit reads: Thirty percent of SLC schools have between 1,000 and 1,500 students, compared to 46 percent of large U.S. high schools.

Ethnicity

As displayed in Exhibit 2.7, across all Cohort 1 schools, over one-third of students are white, over one-fourth of students are Hispanic or Latino, and one-fourth are African-American or black. There is considerable variation among the Cohort 1 SLC schools in terms of minority enrollment. As indicated by Exhibit 2.8, the majority of schools are fairly heterogeneous with respect to minority enrollment. Close to two-thirds of the Cohort 1 schools (62 percent) are majority minority, that is, they have minority enrollments of 50 percent or higher. In contrast, only 10 percent of the schools have minority enrollments of less than 10 percent, whereas 17 percent are predominantly minority (90 percent or higher). Exhibit 2.8 also displays the contrast with all large U.S. high schools, indicating that SLC schools have higher concentrations of minority students.

Exhibit 2.7**Percentage of Students by Race or Ethnicity in Cohort 1 SLC Schools, 2000–01**

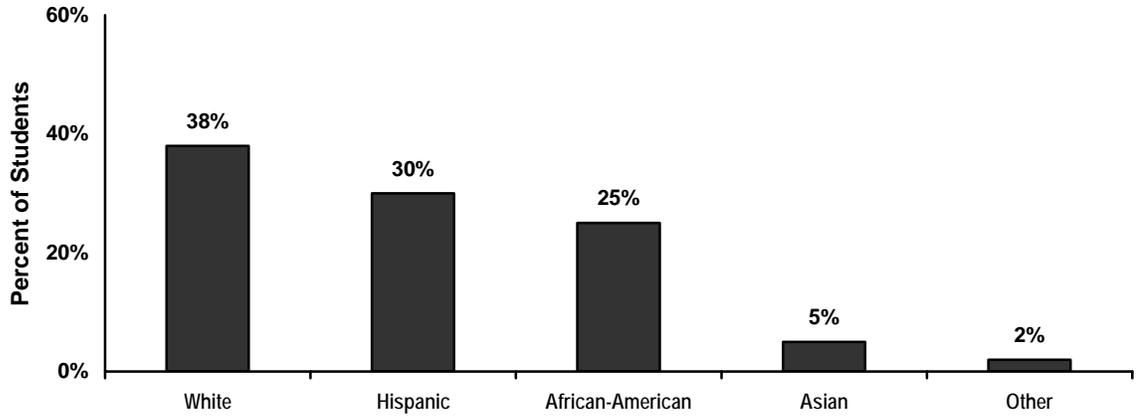


Exhibit reads: Thirty-eight percent of students in SLC schools are white.

Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000–01.

Exhibit 2.8**Minority Enrollment of SLC Cohort 1 Schools, Compared With Large U.S. High Schools**

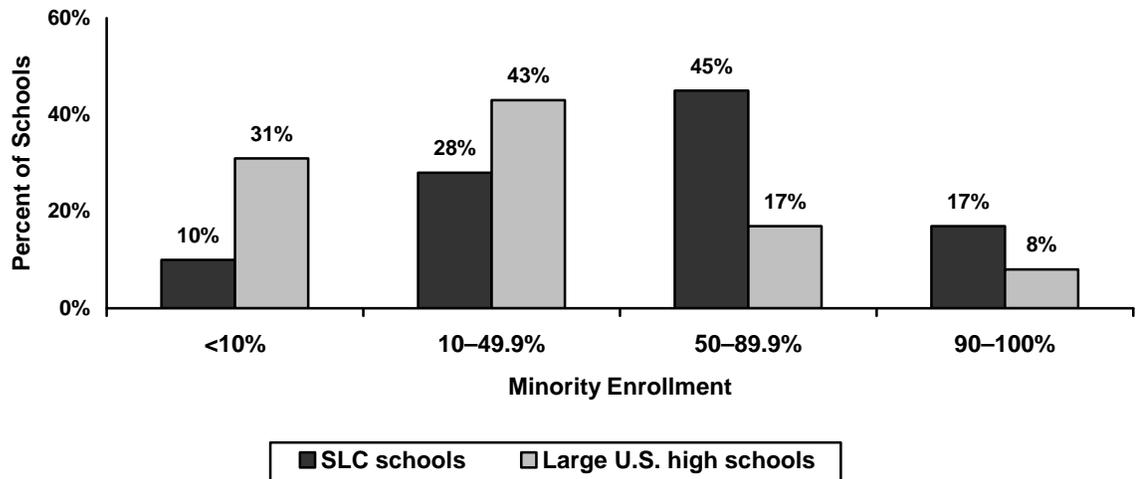


Exhibit reads: Ten percent of SLC schools have minority enrollments of less than 10 percent, compared to 31 percent of large U.S. high schools.

Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000–01; Common Core of Data, Public Elementary and Secondary School Universe Survey, 2000–01.

Other Demographic Characteristics: Limited English Proficiency and Students With Disabilities

According to Exhibit 2.5, the Cohort 1 SLC schools serve, on average, somewhat fewer students with disabilities, but slightly more students who were classified as LEP or as English Language Learners (ELL) than large U.S. high schools. Exhibits 2.9 and 2.10 further present the distributions of LEP students and students with disabilities for SLC schools and large high schools nationwide. SLC schools are more likely than large U.S. high schools to have at least 10 percent of their student enrollment be classified as LEP. On the other hand, they are more likely to have fewer than 10 percent students with disabilities.

Exhibit 2.9

LEP Enrollment of SLC Cohort 1 Schools, Compared With Large U.S. High Schools

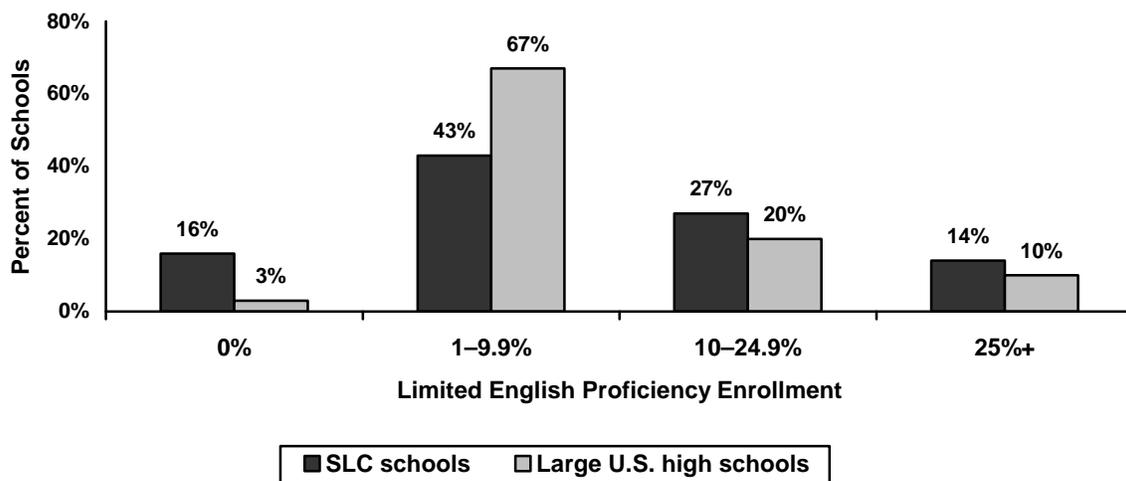


Exhibit reads: Sixteen percent of SLC schools have no LEP students enrolled, compared to 3 percent of large U.S. high schools.

Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000–01; Common Core of Data, Public Elementary and Secondary School Universe Survey, 2000–01.

Exhibit 2.10**Students With Disabilities Enrollment of SLC Cohort 1 Schools, Compared With Large U.S. High Schools**

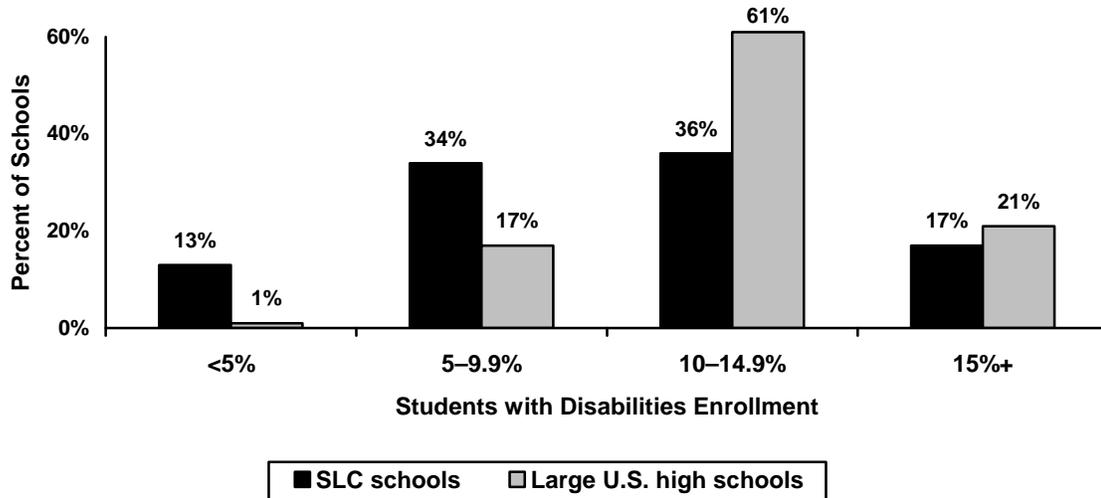


Exhibit reads: Thirteen percent of SLC schools have students with disabilities enrollments of less than 5 percent, compared to 1 percent of large U.S. high schools.

Source: Implementation Study of Smaller Learning Communities, SLC Annual Performance Report, SY 2000–01; Common Core of Data, Public Elementary and Secondary School Universe Survey, 2000–01.

The data in this chapter indicate that Cohort 1 SLC schools are not necessarily representative of other large U.S. high schools. Namely, these schools are more likely to be located in western states and urban areas, are somewhat larger, and enroll higher percentages of minority and LEP students, but enroll smaller percentages of students with disabilities. The following chapter presents a detailed discussion of the implementation of SLCs across all Cohort 1 schools.

Chapter 3

Implementation of Smaller Learning Communities, 2000–03: Survey Results

Introduction

This chapter focuses on how high schools have used their federal funding to plan and develop SLC structures and strategies.²⁰ Specifically, the chapter focuses on the following key implementation questions:

- Why did schools decide to apply for SLC funding and to implement an SLC?
- What structures and strategies have SLC schools implemented—e.g., freshman academy, career academy, block scheduling, mentors, etc.?
- To what extent do the SLC activities undertaken by schools meet some of the goals of the SLC legislation,²¹ such as:
 - Developing strategies to create a more personalized high school experience for students to counter the effects of large, impersonal school structures?
 - Providing professional development for school staff in innovative teaching methods that challenge and engage students?
 - Including parents, business representatives, institutions of higher education, etc., as facilitators of activities and to provide links between students and their communities?
- What factors have facilitated or inhibited implementation of SLCs?

Data for this chapter come primarily from the Periodic Implementation Survey (PIS) administered in the fall of 2003, and focus on those activities taking place in the 2002–03 school year.²² When reporting the reasons for applying for SLC funding or change over time (as in schools changing structures and strategies over time), we also use survey data from the 2001–02 school year, using the PIS administered in the spring of 2002.

²⁰ The findings in this chapter are reported, for the most part, at the school level. More detailed implementation findings, broken down by types of SLC structures employed, are presented in Appendix F.

²¹ Public Law 107-110, the *No Child Left Behind Act of 2001*, Section 5441.

²² The Annual Performance Reports (APR) completed in the fall of 2001, 2002, and 2003 are a supplementary source of data on which SLC structures and strategies schools are implementing.

Note on Interpreting Implementation Findings

As in every evaluation of comprehensive school reform efforts, change is best modeled as a dynamic incremental process, often requiring a gradual start-up period while schools develop and put into place an intervention. Therefore, results from implementation of these reform efforts often do not show up for several years, often after data collection has ended. For this reason, the results presented in this chapter should be viewed with caution, recognizing that implementation is a dynamic process and that it may take longer than a three-year period for structural changes to emerge.

Why Have Schools Chosen to Apply for Federal SLC Funds and Implement an SLC?

Most schools reported applying for SLC funds to increase overall student academic achievement (95 percent of schools), academic achievement of at-risk students (90 percent), and student motivation (87 percent). Schools were far more likely to cite student academic or behavioral issues as major influences in their decision to implement an SLC program than issues external to the school (e.g., responding to state or district initiated testing or school reforms). The range of major influences on seeking SLC funding is discussed in detail below.

Student Academic Performance

The single factor deemed “very important” by nearly all respondents (95 percent) in applying for a federal SLC grant was student academic achievement, with at-risk students being a key focus of many respondents’ efforts (Exhibit 3.1). Eighty-one percent of schools applied for federal SLC funds in order to increase graduation rates, and nearly as many (77 percent) aimed to improve promotion rates—particularly 9th- to 10th-grade promotion—through some sort of personalization-oriented reform. Thus, although increasing student academic achievement motivated most schools, subsets of schools were focused on specific strategies (e.g., academic course-taking) as a means of encouraging achievement.

Exhibit 3.1

Percentage of Schools Indicating That Academic Factors Were Very Important in Deciding to Apply for SLC Funds ($n=103$)

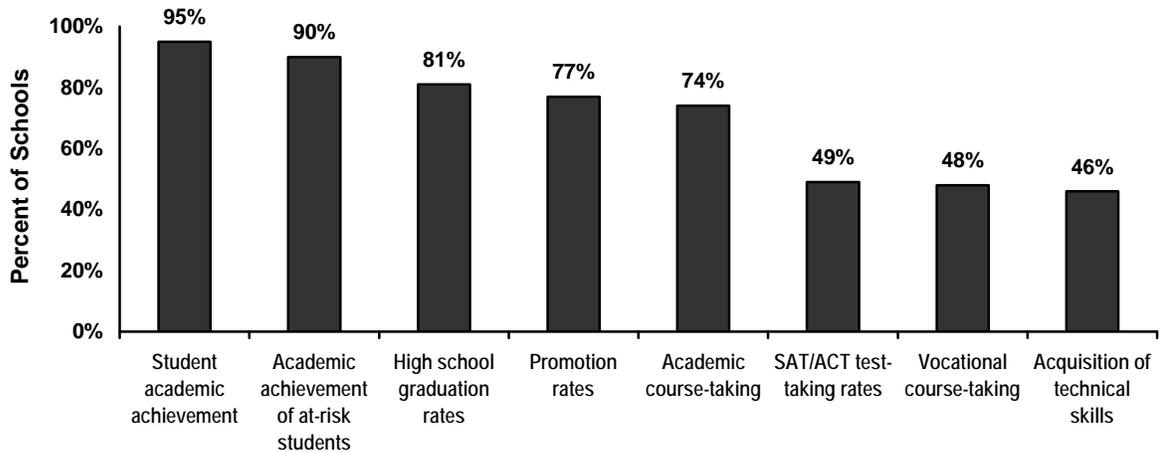


Exhibit reads: Ninety-five percent of SLC schools indicated that student academic achievement was a very important academic factor in deciding to apply for SLC funds.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2002, Section IA, Question 6: “How important were each of the following factors in your decision to apply for a federal SLC grant? Student academic factors”

Student Behavior

Increasing student motivation and morale, improving student-teacher relationships, and reducing dropout and absenteeism rates were the student behaviors most often cited as being very important to schools in deciding to apply for SLC funding. At least three-fourths of the SLC schools identified these as key reasons (Exhibit 3.2).

Exhibit 3.2

Percentage of Schools Indicating That Behavioral and Attitudinal Factors Were Very Important in Deciding to Apply for SLC Funds ($n=102$)

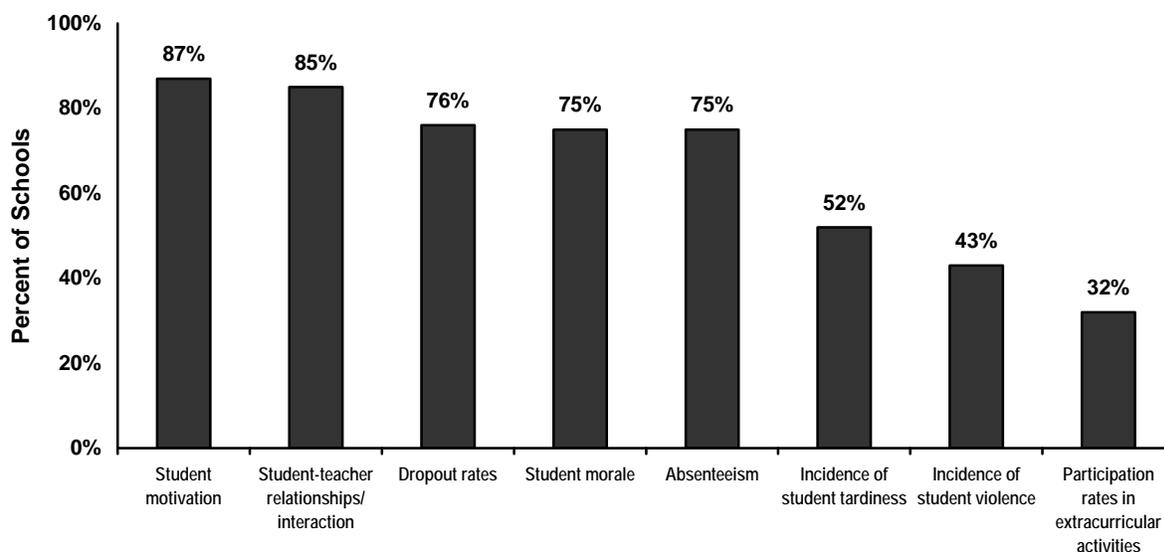


Exhibit reads: Eighty-seven percent of SLC schools indicated that student motivation was a very important attitudinal factor in deciding to apply for SLC funds.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2002, Section IA, Question 6: “How important were each of the following factors in your decision to apply for a federal SLC grant? Student behavioral/attitudinal factors”

School and External Goals

In addition to student goals, schools reported other goals within the school in their decision-making process. Nearly half of the PIS respondents (44 percent) indicated that teacher support for SLC reform was a major influence in the school’s decision to implement an SLC program (Exhibit 3.3). The decision to implement an SLC program was also often driven by broader influences outside of the school, such as the district or state. For example, more than half (54 percent) of the schools indicated that better preparation for state assessments was a major influence in their decision to implement an SLC program, and nearly half (49 percent) cited district-initiated school reform as the impetus for their decision (Exhibit 3.3).

Exhibit 3.3**Percentage of Schools Indicating That School and External Factors Had a Major Influence on Their Decision to Implement an SLC Program (n=103)**

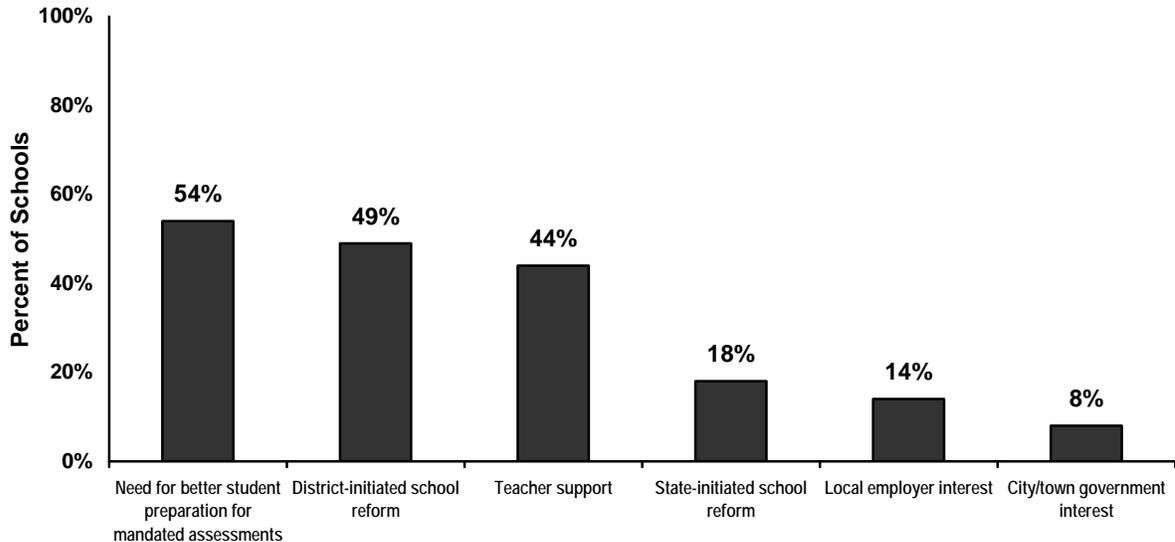


Exhibit reads: Fifty-four percent of SLC schools indicated that the need for better student preparation for mandated assessments had a major influence on the decision to implement an SLC program.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2002, Section IB, Question 1: “How influential were the following factors in your decision to implement an SLC program?”

What Structures and Strategies Have SLC Schools Implemented?

The discussion in this section makes a distinction between SLC **structures**—innovations that require a substantial change to a school’s organization, such as assigning students and staff to subunits for much or all of the school day—and SLC **strategies** that reflect other less comprehensive approaches to personalizing education. SLC structures include career academies, freshman academies, house plans, magnet programs, and schools-within-a-school. The other personalization strategies include block scheduling, career clusters, pathways, adult advocates or mentors, teacher advisory programs, and teacher teams. The federal legislation allows and program guidance encourages, SLC grantees to implement the structures and strategies most applicable to their needs.

Schools tended to implement multiple structures and strategies, with the most prevalent structures being career and freshman academies. Schools also changed over time, both in the number and types of SLC structures they were implementing. In the case of freshman academies, house plans, and career academies, schools involved a majority of their eligible students. Schools also chose to implement one or more SLC strategies, with block scheduling and teacher teams being the most popular choices. In almost all of these instances, a majority of a school’s students were involved in the strategies chosen by the school.

Changes in SLC Structures Implemented Over Time

The number of structures being implemented varied across SLC schools (Exhibit 3.4). Eighty-four percent of schools chose to implement some type of structure in the 2002–03 school year, with close to one-half of the schools (47 percent) implementing one structure, and over another third (37 percent) implementing two or more structures. In contrast, 16 percent of schools did not implement any SLC structures in 2002–03 (down from 23 percent in 2001–02).²³ On average, schools implemented 1.3 structures. This represented an increase over the previous school year, where schools reported implementing an average of 1.1 SLC structures.²⁴

Exhibit 3.4

Number of SLC Structure Types Implemented Across SLC Schools in SY 2002–03 ($n=105$)

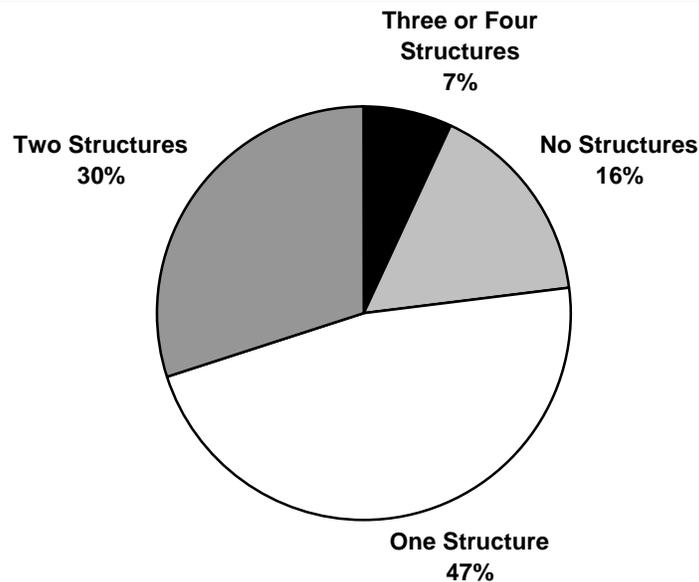


Exhibit reads: Thirty percent of SLC schools reporting implementing two SLC structures in the 2002–03 school year.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003. Percentages based on number of respondents completing survey module corresponding to each type of SLC structure.

Particularly noteworthy are the changes schools undertook in their implementation of SLC structures across the years of their grant. Exhibit 3.5 summarizes the types of SLC structures adopted by schools in both SY 2001–02 and 2002–03, taking into account that some schools were implementing

²³ Although these schools did not report implementing any SLC structures, they were involved in one or more SLC-allowable strategies.

²⁴ It is also noteworthy that over two-thirds of the SLC schools (70 percent) either maintained or expanded their SLC programs over time.

more than one structure. Across Cohort 1 schools, the most commonly implemented structures in SY 2002–03 were academies, with more than one-third of schools (42 percent) reporting that they implemented career academies and more than one-half (55 percent) reporting that they implemented freshman academies. This represented an increase (17 percentage points) in the number of schools that had been implementing freshman academies in SY 2001–02. In terms of the other structures that schools could implement (schools-within-a-school, house plans, magnet schools), there was little change between the two school years, with only a small number of schools implementing these structures.

Exhibit 3.5

Percentages of SLC Schools Implementing Each Type of SLC Structure ($n=105$)

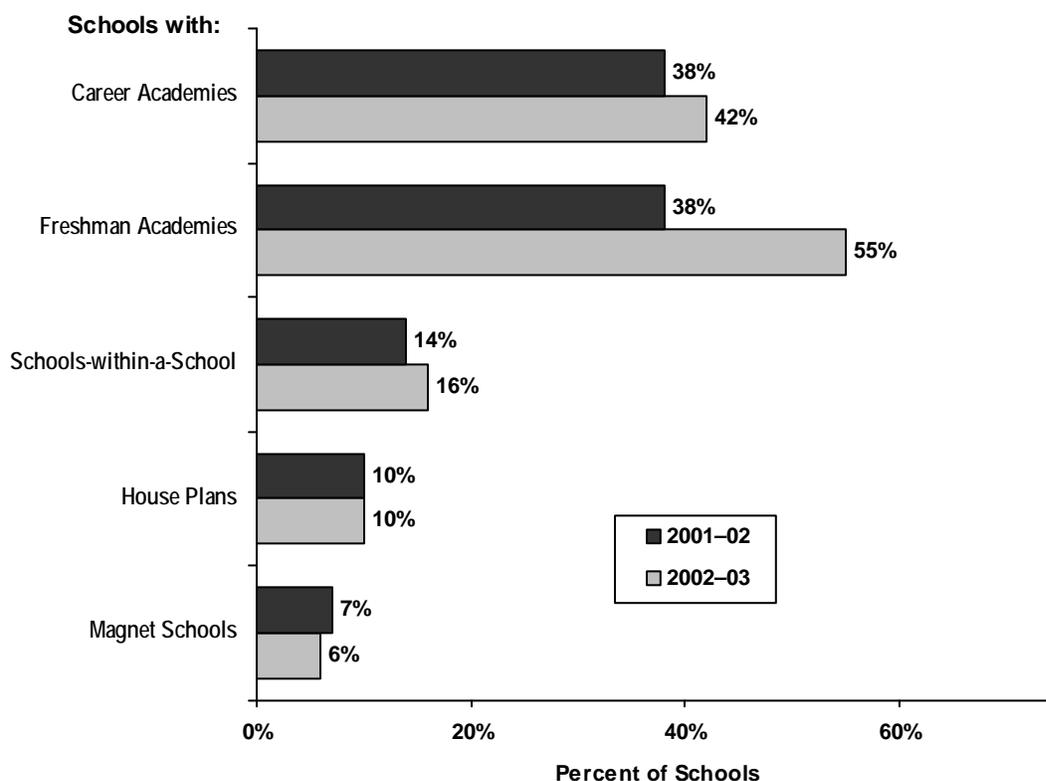


Exhibit reads: Thirty-eight percent of SLC schools reported implementing career academies in the 2001–02 school year. Forty-two percent reported implementing career academies in the 2002–03 school year.

Note: Percentages exceed 100 percent within a school year because schools may implement more than one SLC structure.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003. Percentages based on number of respondents completing survey module corresponding to each type of SLC structure.

Exhibit 3.6 presents a breakdown, by SLC structure, of the number of schools continuing, dropping or adding SLC structures from SY 2001–02 to SY 2002–03. In the case of schools that had in place career academies, freshman academies, or schools-within schools in SY 2001–02, most continued those structures through SY 2002–03. For example, 83 percent (33 out of 40) of schools implementing freshman academies in SY 2001–02 continued implementing them during the following school year. In the case of schools that had started implementing house plans and magnet schools in SY 2001–02, however, fewer than half of them had continued implementing these structures in SY 2002–03.²⁵

Exhibit 3.6

Changes in SLC Structures Over Time

	SY 2001–02	SY 2002–03
Career Academies (<i>n</i> =40)	→	Continued (<i>n</i> =29) + New (<i>n</i> =15) = Total (<i>n</i> =44) Dropped (<i>n</i> =11)
Freshman Academies (<i>n</i> =40)	→	Continued (<i>n</i> =33) + New (<i>n</i> =25) = Total (<i>n</i> =58) Dropped (<i>n</i> =7)
Schools-Within-a-School (<i>n</i> =15)	→	Continued (<i>n</i> =11) + New (<i>n</i> =6) = Total (<i>n</i> =17) Dropped (<i>n</i> =4)
House Plans (<i>n</i> =11)	→	Continued (<i>n</i> =4) + New (<i>n</i> =6) = Total (<i>n</i> =10) Dropped (<i>n</i> =7)
Magnet Schools (<i>n</i> =7)	→	Continued (<i>n</i> =3) + New (<i>n</i> =3) = Total (<i>n</i> =6) Dropped (<i>n</i> =4)

Exhibit reads: Of the 40 schools implementing career academies in SY 2001–02, 29 continued implementing them in SY 2002–03. In addition, 15 schools not previously implementing career academies began to do so, and 11 schools dropped their academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003.

As Exhibit 3.6 shows, a number of schools began implementing structures in SY 2002–03.²⁶ For example, of those schools implementing career academies in SY 2002–03, 34 percent (15 out of 44) of these schools were implementing new structures. These findings indicate, therefore, a good deal of continuity in their SLC implementation on the part of schools with freshman academies, career academies, or schools-within-a-school. Schools that reported implementing house plans and magnet plans were more fluid in their implementation.

²⁵ It should be pointed out, however, that these percentages are based on relatively small sample sizes.

²⁶ In fact, of the 24 schools that had reported not implementing any structures in SY 2001–02, 62 percent of them reported implementing one or more SLC structures in SY 2002–03. Conversely, there were nine Cohort 1 schools (8 percent) that were implementing structures in SY 2001–02 but were no longer implementing them the following school year.

Types of SLC Schools

As we can see from Exhibit 3.5, the percentages of Schools implementing SLC structures exceed 100 percent because schools may implement more than one SLC structure. When categorizing schools in terms of the unique combination of SLC structures implemented, the Cohort 1 schools broke down into five main groups:

- **Career academy schools.** These are schools that report that they are implementing career academies, alone or in combination with other SLC structures excluding freshman academies.
- **Freshman academy schools.** These are schools that report that they are implementing freshman academies, alone or in combination with other SLC structures excluding career academies.
- **Career academy or freshman academy combination schools.** These are schools that report that they are implementing both career and freshman academies, alone or with combination with other structures.
- **Other structures.** These are schools that report that they are only implementing other SLC structures such as house plans, schools-within-schools, or magnet schools, either alone or in combination with each other.
- **No structures.** These are schools that report they are not implementing any SLC structures, but are involved in one or more SLC allowable strategies.

Exhibit 3.7 displays the distribution of school types, broken down by combination of SLC structures, for Cohort 1 schools during the 2001–02 and 2002–03 school years.

As presented in Exhibit 3.7, there was a marked increase from SY 2001–02 to 2002–03 both in the number of freshman academy schools (8 percentage point increase) and career academy or freshman academy combination schools (9 percentage point increase), in line with the dramatic increase in the number of schools adopting freshman academies in SY 2002–03 (see Exhibit 3.5). It is also noteworthy that schools with no SLC structures decreased in number from 23 to 16 percent between the two school years.

Exhibit 3.7**Types of SLC Schools, Categorized by Combination of SLC Structures Implemented ($n=105$)**

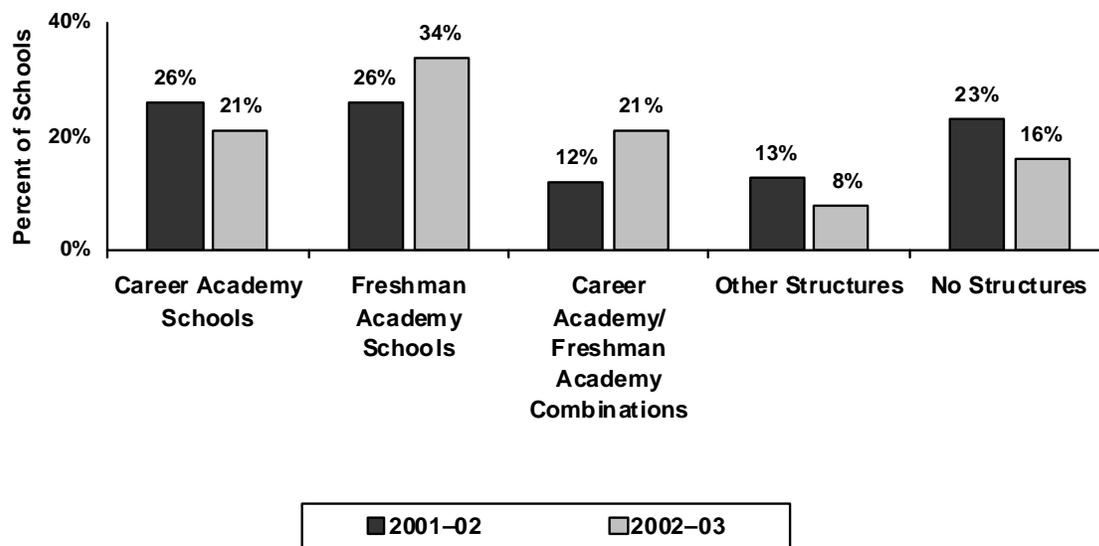


Exhibit reads: Twenty-one percent of SLC schools in 2002–03 were implementing career academies, either alone or in combination with other SLC structures, excluding freshman academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2002 and 2003. Percentages based on number of respondents completing survey module corresponding to each type of SLC structure.

Student Participation in SLC Structures

House plans, freshman academies, and career academies managed to involve a majority of their eligible students (Exhibit 3.8).²⁷ For house plans, average student participation was 77 percent during the 2002–03 school year, down from 88 percent in the previous school year. Schools with freshman academies reported a high level of participation (78 percent on average) among their ninth-grade students. Participation rates for the other SLC structures, however, were slightly lower. Schools-within-a-school reported an average participation rate in the 2002–03 school year of 46 percent, remaining relatively unchanged from the level of the previous school year. Magnet schools on average had only a 41 percent participation rate (up from 15 percent in 2001–02).

²⁷ Average participation rates in SLC structures were derived from grade level percentages reported on the PIS from both the 2001–02 and 2002–03 school years.

Exhibit 3.8**Average Percentage of Eligible Student Enrollment in SLC Structures, in Schools Implementing Each Type of Structure**

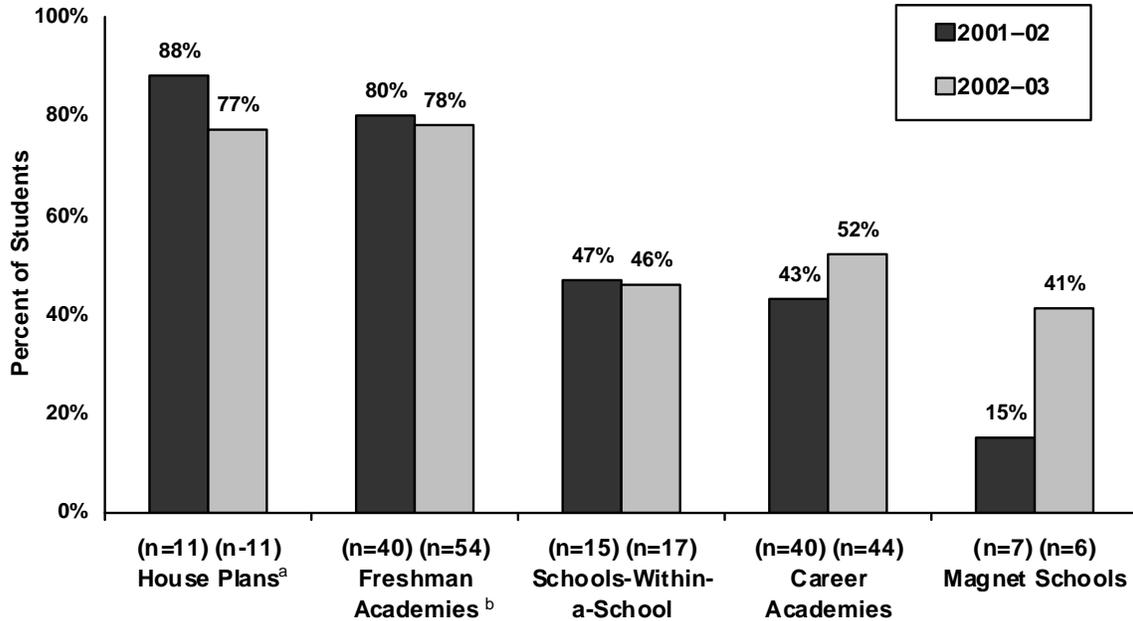


Exhibit reads: In SLC schools implementing house plans, 88 percent of students, on average, participated in a house plan during the 2001-02 school year.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2002, Module Question 4, and 2003, Module Question 5: “What percentage of the students at your school at each grade level participated in Career Academies?”

Notes: a *n* refers to the number of schools implementing each SLC structure and reporting student enrollment data for that year.

b Due to changes to the PIS from 2001-02 to 2002-03, comparable data were not available on freshman academies from this source. The participation rate for freshman academies is based on data from the APR and was calculated by dividing the reported number of ninth-grade students involved in freshman academies by the total number of students enrolled in the ninth-grade, in schools implementing freshman academies.

SLC Strategies Implemented and Student Participation

In addition to SLC structures, schools used various SLC strategies. On average, schools reported using an average of 2.3 strategies during school year 2002-03, down from an average of 2.7 the previous year. Half of the SLC schools used a total of three or more strategies during school year 2002-03, down from 60 percent of the schools the previous year. Schools thus appeared to be gradually shifting from the use of SLC strategies to a greater use of SLC structures over time, especially freshman academies. Exhibit 3.9 shows that the most frequently utilized strategies in 2002-03 were block scheduling (58 percent of schools) and teacher teams (52 percent). Even the least frequently used strategy, teacher advisory programs, was used by a third of the schools. All of these strategies, however, decreased in their use compared to the previous school year.

Exhibit 3.9**Percentage of SLC Schools Implementing Each Type of SLC Strategy, Alone or in Combination With a Comprehensive “Structure” (n=105)**

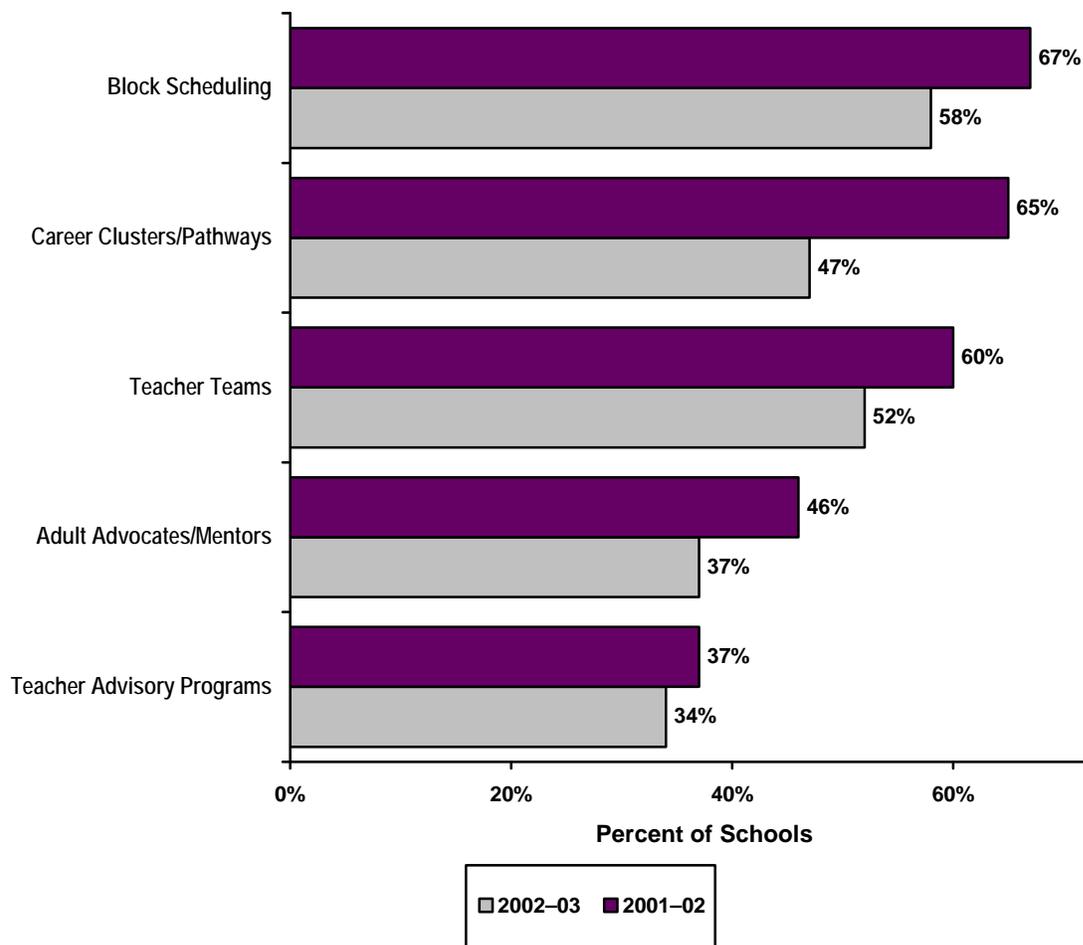


Exhibit reads: Sixty-seven percent of SLC schools reported implementing block scheduling in the 2001–02 school year. Fifty-eight percent reported implementing block scheduling in the 2002–03 school year.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003, Other SLC Strategies Module, Question A: “Are you implementing this strategy/Were you implementing this strategy in 2002–03?”

Note: Percentages do not add up to 100 percent within a school year due to schools implementing more than one SLC strategy.

The highest percentages of students were involved in teacher advisory programs and block scheduling in 2002–03 (88 and 84 percent of the students in those schools implementing these strategies

respectively).²⁸ These percentages represented increases over what was reported in 2001–02. Each of the other strategies reached close to or more than half of the students in the schools implementing those strategies in 2002–03, also showing slight increases over reported percentage rates in the previous year (Exhibit 3.10).

Exhibit 3.10

Average Percentage of Total Student Enrollment in SLC Strategies, Where Strategies are Being Implemented

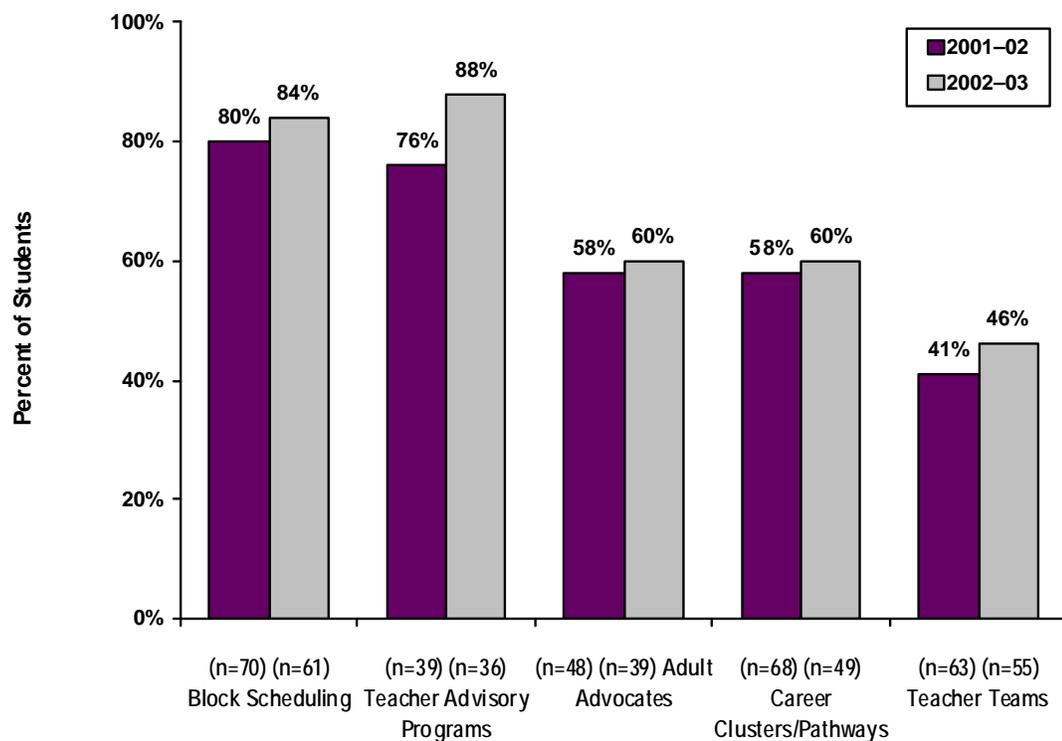


Exhibit reads: In SLC schools implementing block scheduling, 80 percent of students, on average, participated in block scheduling in 2001–02.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002 and 2003, Other SLC Strategies Module, Question E: “What percentage of each grade participates in this SLC strategy?”

Note: a *n* refers to the number of schools implementing each SLC structure and reporting student enrollment data for that year.

²⁸ Average participation rates in SLC strategies were derived from grade level percentages reported on the PIS from both the 2001–02 and 2002–03 school years.

Meeting the Other Goals of SLC Legislation

In this section, we consider the extent to which SLC activities undertaken by Cohort 1 schools meet some of the goals of the SLC legislation such as:

- Increasing personalization of the high school experience for all students to counter the effects of large, impersonal school structures;
- Providing professional development for school staff in innovative teaching methods that challenge and engage students; and
- Including parents, business representatives, institutions of higher education, and others as facilitators of activities and to provide links between students and their communities.

In addressing the goals of the SLC legislation, schools made a variety of choices depending on the specific purposes set for their SLC restructuring reforms, as well as on existing factors, which are discussed later in this chapter.

Increasing Personalization

Introduction

A concern among schools is that student anonymity leads to a lack of student connection to or investment in learning, which in turn leads to student underachievement and dropping out. To combat student anonymity, schools commonly set as a goal that each student is known well by at least one adult within the school. As reported on in the previous section, large high schools employ a variety of SLC structures and strategies to personalize the learning experiences of their students. Although SLCs can take a variety of forms—career academies, house plans, and strategies such as block scheduling—they all share the common goal of enhancing personalization.

SLC schools currently employ a number of mechanisms to achieve the goal of increased personalization, such as:

- Formal mentoring programs linking students with faculty or other adults;
- Individualized assessment strategies, such as the use of culminating projects and portfolios; and
- Other changes made at the classroom or school level to foster smallness, such as changes in scheduling so that students maintain the same teachers across multiple years.

All but two schools reported undertaking efforts to increase personalization. More schools were engaged in individualizing assessments and reducing class size (or reducing the total number of students for which a teacher was responsible) than creating intensive mentoring efforts. Half of the schools reported making significant efforts on at least one dimension of personalization. Of these, most schools were high on a single dimension (34 schools), but another 17 schools were high on two dimensions. A single school reported making significant efforts on all three dimensions.

To measure personalization efforts within SLC schools, the PIS included a number of items to explore strategies currently being implemented. Exhibit 3.11 presents the group of PIS items used to

measure the three mechanisms of fostering personalization. One set of questions collected information on the implementation and scope of formal mentoring programs within SLC schools. Teachers serve as advisors or mentors in 60 percent of the schools (as a result of SLC funding), whereas almost half (47 percent) of the SLC schools formally paired students with adult mentors with whom they meet individually (Exhibit 3.12). Within these latter schools, an average of two-thirds of students (67 percent) are formally paired with their mentors. These students meet with their mentors, on average, about twice a month, with half of these students meeting on at least a weekly basis.

Exhibit 3.11

PIS Items Used to Measure Three Components of Personalization

Formal mentoring programs linking students with faculty or other adults

- Teachers serve as advisors or mentors
- School has formal mentoring program
- Percentage of students assigned to mentor
- Frequency of student or mentor meetings

Individualized assessment strategies, such as the use of culminating projects and portfolios

- More varied student assessments used
- Individualized assessments used throughout school
- Individual assessments required for graduation

Changes made at the classroom or school level to foster smallness, such as changes in scheduling so that students maintain the same teachers across multiple years

- Students keep same homeroom teacher throughout high school
- Independent study available in core academic classes
- Cooperative learning focus integrated into curriculum
- Student evaluations of teachers being used
- Students taught by same cluster of teachers for multiple years
- Classes smaller than before
- Teachers responsible for smaller number of students than before

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

Another set of questions collected additional information on the extent to which individualized assessments, such as portfolios and student exhibitions, are being used in SLC schools, generally and as requirements for graduation. As shown in Exhibit 3.12, individualized assessments are being used in three-quarters of the schools (76 percent). In close to two-thirds of the schools (64 percent), individual assessments are required for graduation, and in half of the schools, more varied student assessments are being used for grading or promotion decisions as a result of SLC funding.

Lastly, respondents were asked whether as a result of federal SLC program funding, certain changes had been made at the school or classroom level to foster more faculty or student interaction. According to Exhibit 3.12, almost two-thirds of the schools (63 percent) reported integrating a “cooperative learning”²⁹ focus into their curriculum as a result of SLC funding. More than one-third

²⁹ Although the PIS did not define the term “cooperative learning,” the term is generally understood among educators to refer to activities that involve students working together as partners or in small groups on defined tasks.

of the schools reported students being taught by the same cluster of teachers for multiple years, and their teachers teaching a smaller total number of students than before (37 and 36 percent respectively).

Exhibit 3.12

**Percentage of SLC Schools Reporting Specific Mechanisms to Foster Personalization
(n=103)**

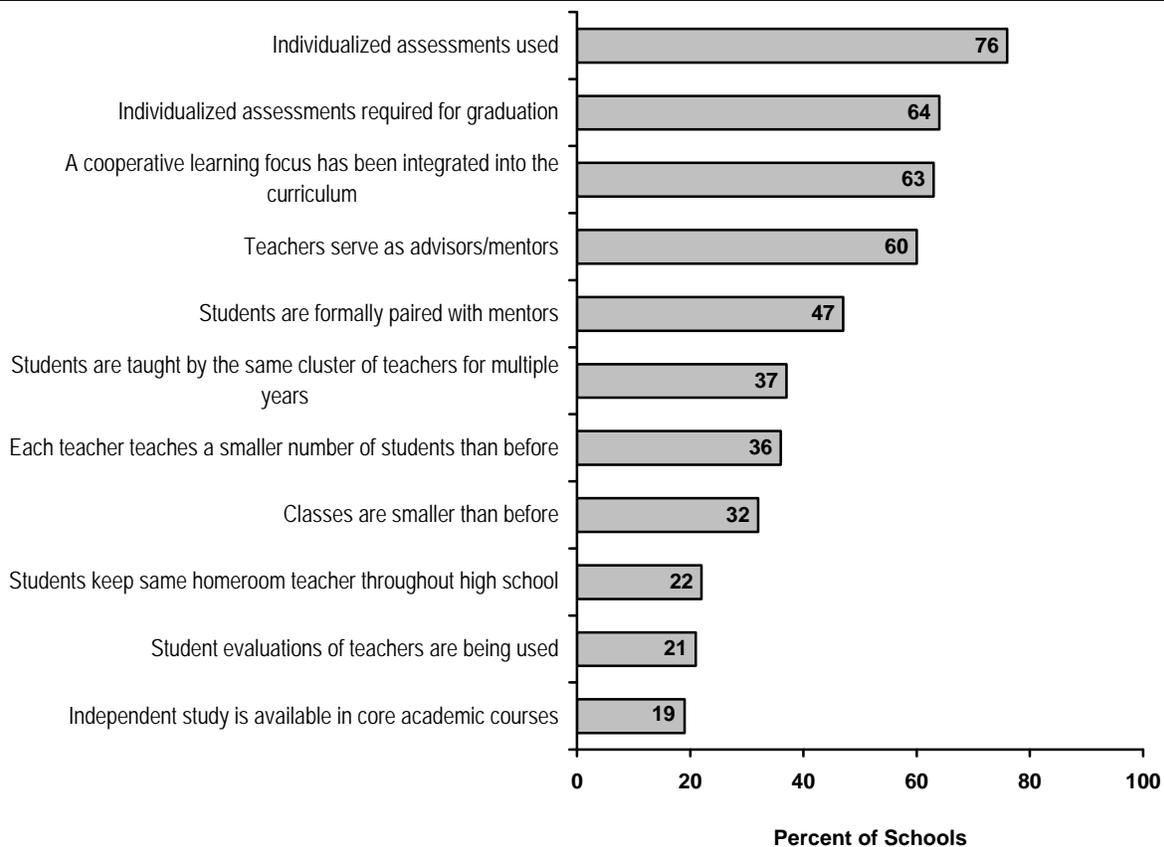


Exhibit reads: Seventy-six percent of SLC schools reported that they used individualized assessment throughout their school.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section A, Questions 3 and 4: “Indicate school-level and classroom-level SLC-type changes that have occurred as a result of federal SLC program funding.” Section D, Question 1: “During the 2002–03 school year, did students within the SLC program have adult mentors with whom they were formally paired?” AND Section E, Question 2: “Was individualized assessment used throughout your whole school in 2002–03? and Question 3: “Was individualized assessment required for graduation from your school in 2002–03?”

The remainder of the discussion on personalization moves beyond individual strategies to develop a model of an overall measure of personalization. The discussion is primarily descriptive, with a technical summary of the statistical methods included in Appendix G.

Identifiable Personalization Strategies

Schools tended to focus their efforts as part of receiving the SLC grant on only one of the areas of personalization. For example, a school might attempt to create more personalized learning for students through implementing a formal student-mentoring program while leaving classroom strategies relatively unchanged. Or, a school might implement block scheduling and cross-grade “looping”³⁰ to affect how students are organized into classrooms, but not implement a formal mentoring program on top of this time-consuming endeavor. This hypothesis is supported by the finding that of the 12 dichotomously measured personalization strategies from Exhibit 3.11,³¹ schools, on average, implemented only between four and five discrete strategies, suggesting that schools may focus on one “pathway” to personalization rather than committing resources to all twelve. In addition, correlations (see Appendix G, Exhibit G.1) run among the variables measuring personalization suggested three substantive groupings:

- Fostering individual student or staff relationships
- Individualized assessment and classroom practices
- Teacher teaming and class-size reduction

Examination of the correlation matrix supported the hypothesis that variables should be grouped to create three different constructs for personalization. A variant of factor analysis called **variable cluster analysis** was subsequently used to separate variables into optimal groupings, confirming the three groupings identified in the correlation matrix. The final step of the analysis entailed the use of principal components analysis to optimally weight the contribution of each variable to its respective cluster in creating three continuous composite variables. These weights from the principal components analysis were then used to create composite variables to represent the three distinct types of personalization strategies in which schools could be invested. The process for creating the values for these composite variables is described in Appendix G.

Distribution of School Personalization Efforts

With the construction of these composite scores, subsequent analyses were conducted to examine the extent to which schools were working toward more personalized schools through any or all of the three pathways identified above. These analyses are captured in Exhibits 3.13 to 3.15, where the distribution of SLC schools is displayed on each of the three personalization composite variables.

The distribution of SLC schools implementing formal mentoring strategies, as well as other strategies designed to foster student or staff relationships, is displayed in Exhibit 3.13. As noted earlier in this discussion, fewer than half of the schools had adopted formal mentoring arrangements as a way of fostering personalization. Exhibit 3.13 displays the range of involvement in mentoring strategies, from no involvement up to a high level of involvement. These labels reflect the relative scores attained by schools on this composite variable. As shown in the exhibit, close to half of the SLC schools (49 percent) have either little or no involvement in efforts to personalize education through either formal mentoring strategies, or other strategies designed to enhance student or staff

³⁰ “Looping” refers to an arrangement where students are scheduled with the same core of academic teachers for at least two years of instruction.

³¹ Two of the 14 personalization indicators were not measured dichotomously: percentage of students assigned to mentors and frequency of student or mentor meetings.

relationships. In contrast, less than one-fifth (19 percent) of the schools have a high level of involvement in this area.

Exhibit 3.13

Distribution of SLC School Involvement in Efforts to Personalize Education Through Strategies Fostering Individual Student and Staff Relationships ($n=105$)

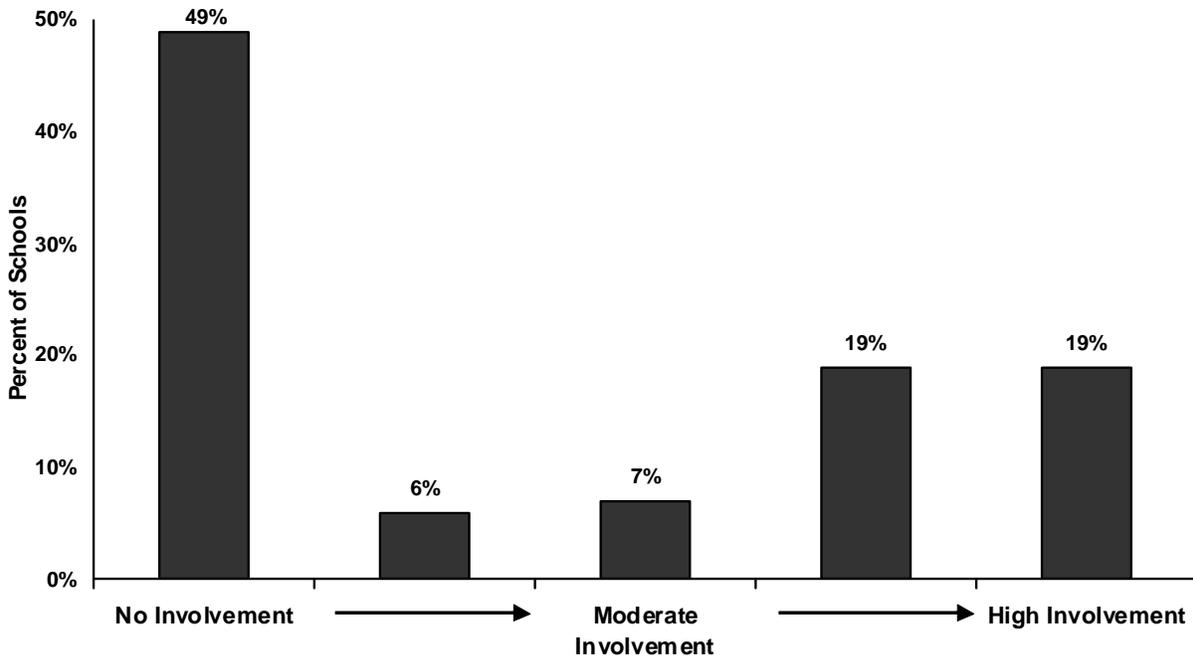


Exhibit reads: Forty-nine percent of SLC schools have no or low involvement in efforts to personalize education through formal-mentoring strategies.

Source: Multiple items from the Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003. See Appendix F for details of analysis.

Exhibit 3.14 shows the distribution of SLC schools in terms of their efforts to personalize education through classroom restructuring and assessment strategies, such as making independent study available in core academic classes or using more varied student assessments for grading and promotion decisions. According to Exhibit 3.14, half (50 percent) of the schools have a moderate or higher level of involvement in this area. Although there are not many schools (5 percent) with a high level of involvement, there are also few schools (12 percent) that report no or low involvement in using these personalization strategies.

Exhibit 3.14**Distribution of SLC School Involvement in Efforts to Personalize Education Through Individual Assessment Strategies and Classroom Practices ($n=105$)**

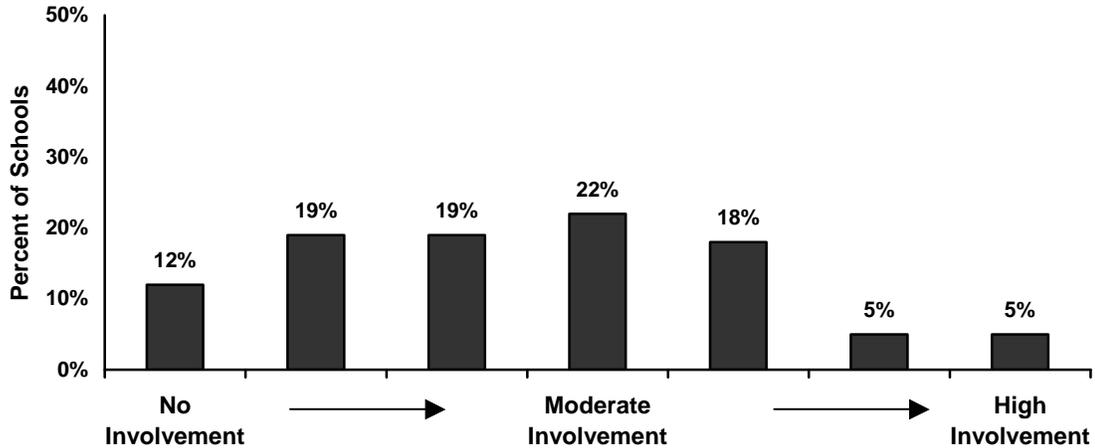


Exhibit reads: Twelve percent of SLC schools have no or low involvement in efforts to personalize education through classroom structure and assessment strategies.

Source: Multiple items from the Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003. See Appendix F for details of analysis.

Finally, Exhibit 3.15 shows the distribution of SLC schools on efforts to personalize education through more structural strategies such as creating smaller classes and having students taught by the same cluster of teachers for multiple years. Close to half (47 percent) of the schools report at least a moderate level of involvement in this realm. Over a third, however (37 percent), report having no involvement in implementing these types of reforms.

Exhibit 3.15**Distribution of SLC School Involvement in Efforts to Personalize Education Through Teacher Teaming and Class-Size Reduction ($n=105$)**

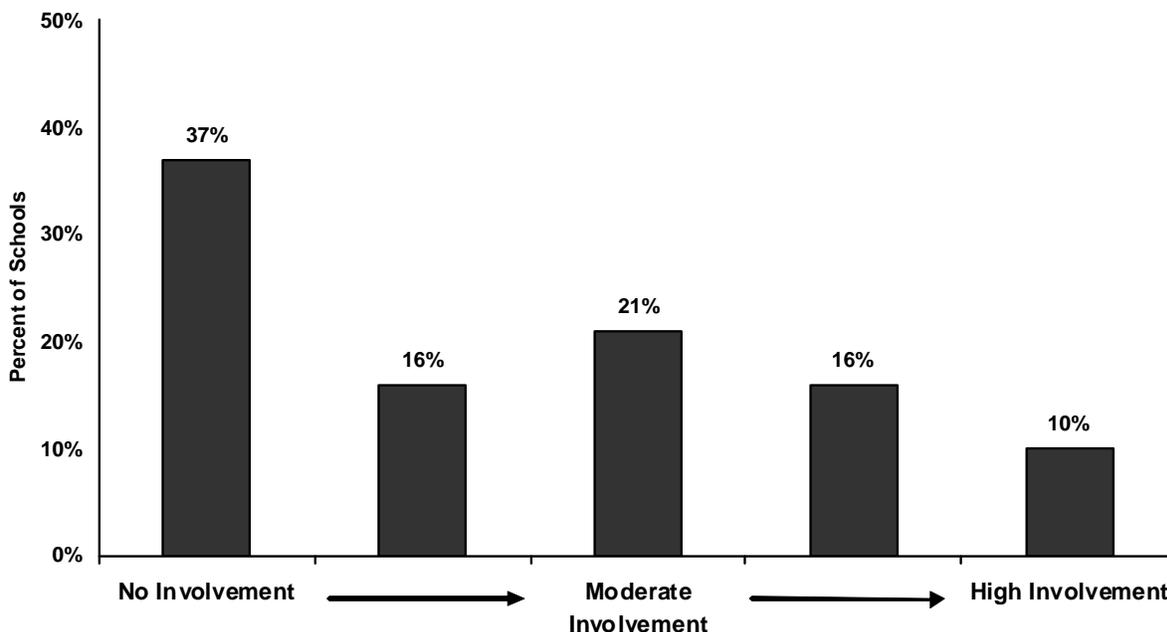


Exhibit reads: Thirty-seven percent of SLC schools have no or low involvement in efforts to personalize education through school structural and scheduling strategies.

Source: Multiple items from the Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003. See Appendix F for details of analysis.

Providing Professional Development to Teaching Staff

Another goal of the SLC legislation was that schools provide professional development for school staff in innovative teaching methods that challenge and engage students. Providing SLC-related professional development was a key strategy used by schools for bringing about school change, as schools offered a wide range of professional development activities for their teaching staff.

Most schools (89 percent) reported the availability of SLC-specific professional development for their instructional staff during the 2002–03 school year. This figure was down slightly from 99 percent of the schools in the previous school year.³² There was a broad range, however, in the amount of SLC-related professional development schools actually provided for teachers (Exhibit 3.16). Across all SLC schools, teachers received, on average, a total of 26 hours of SLC-specific related professional development during the 2002–03 school year (down from 34 hours in 2001–02). Teachers in close to half of Cohort 1 schools (45 percent) received less than 16 hours of SLC-specific professional development.

³² Some schools may have used up all their funding set aside for professional development by school year 2002–03.

Exhibit 3.16**Distribution of Average Number of Hours of Teacher Participation in SLC Program Professional Development Across SLC Schools ($n=100$)**

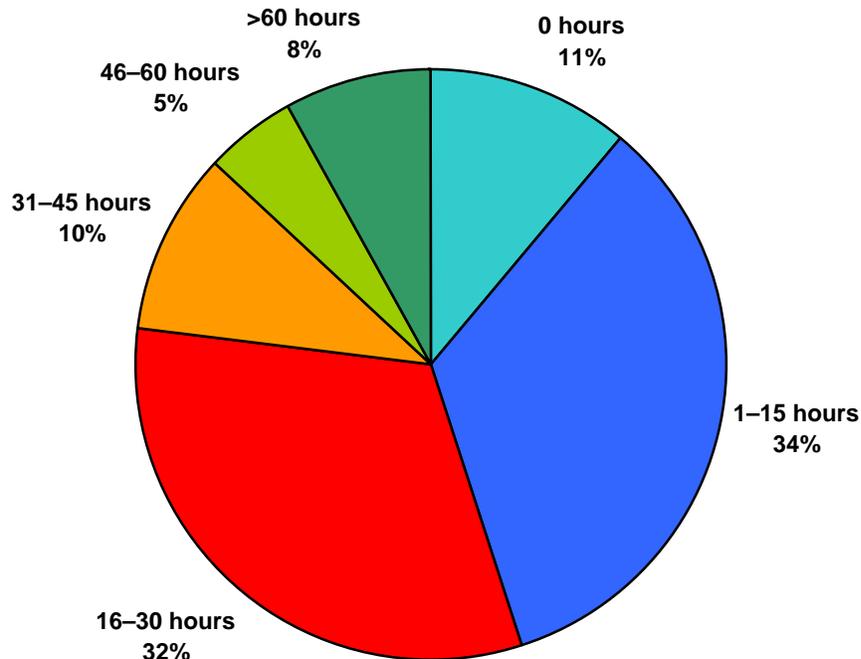


Exhibit reads: During the 2002–03 school year, 11 percent of schools offered no professional development specific to SLCs.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Section C, Question 2a: “On average, in 2002–03, how many hours of professional development specific to the SLC program did the teachers involved in your SLC program receive?”

Note: Schools reported hours in terms of whole numbers.

There was also great variety in the content of professional development offered, with the four most prevalent subjects being:³³

- Tailoring instruction to individual student needs (95 percent of schools reported offering);
- Subject matter content or curriculum (95 percent);
- Problem solving and reasoning instructional methods (93 percent); and
- Strategies for helping low-achieving students (90 percent).

Also interesting to note is the professional development that was not available. More than one-third of the schools responded that they did not offer professional development in the areas of conflict

³³ These percentages represent schools that reported at least some percentage of SLC teachers involved in professional development.

resolution (39 percent) and mentoring strategies (37 percent), with more than one-fourth also not offering professional development in the areas of team teaching (31 percent), adoption of SLC-specific curricula (30 percent), or interdisciplinary projects (26 percent).

Exhibit 3.17 shows the distribution of professional development opportunities available to SLC teachers during the 2001–02 and 2002–03 school years. In 2002–03, professional development opportunities in which more than half of the staff was involved was more likely to be in one of four areas: subject-matter curriculum (56 percent of schools), strategies for helping low-achieving students (47 percent), new approaches to student assessment (43 percent), and tailoring instruction to individual needs (43 percent). This latter area represented an increase over 2001–02, when only 33 percent of schools reported more than half of their staff involved.

Exhibit 3.17

Percentages of Schools Reporting a Majority (50 percent or more) of SLC Teachers Participating in Various Professional Development Opportunities (n=105)

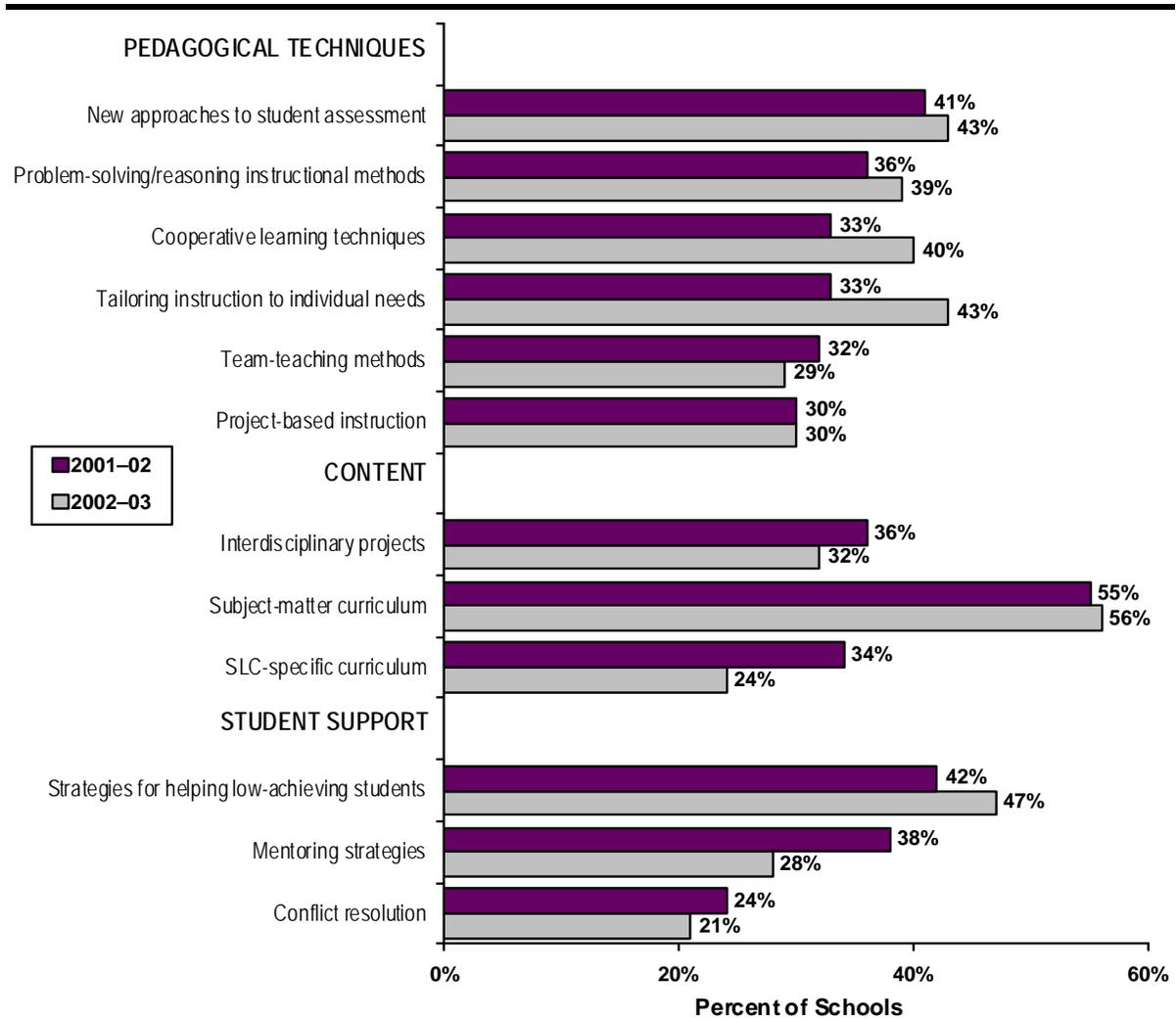


Exhibit reads: In 41 percent of SLC schools the majority of SLC teachers were involved in professional development opportunities regarding new approaches to student assessment during the 2001–02 school year. During the 2002–03 school year, the majority of SLC teachers in 43 percent of SLC schools were involved.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Surveys, 2002, Section C, Question 3, and 2003, Section C, Question 2b: “Please indicate the percentage of SLC teachers who participated in each professional development opportunity listed below during 2002–03 (including summer 2002).”

Including Community Representatives and Parents to Facilitate Activities

A third goal of the SLC legislation stipulated including parents, business representatives, institutions of higher education, and other community resources as facilitators of schools’ SLC activities, as well as providing links between students and their communities. Schools reported having success in

involving community representatives in their SLC activities. Those schools engaging external partners with their SLCs reported that they derived specific benefits for their students, including a range of career-related opportunities. Schools were also able to involve parents in school activities, and to a lesser extent, in the SLC program.

Role of External Partnerships

Schools have established external partnerships to work actively with their SLC programs. Eighty-two percent of schools reported having external partners working with their SLC during the 2002–03 school year. This represented a significant increase over the previous year, when less than two-thirds of the schools (65 percent) reported having external partnerships. Exhibit 3.18 displays the various external-partnering arrangements made by schools over the last two school years of their SLC grant. About two-thirds of SLC schools reported establishing partnerships with businesses (74 percent), institutions of higher education (68 percent), community-based organizations (71 percent), and individual community members (64 percent). These figures all represent significant increases over what schools reported in the previous year.³⁴

Exhibit 3.18

Percentage of SLC Schools Reporting External Partners Working With Their SLC Programs (n=102)

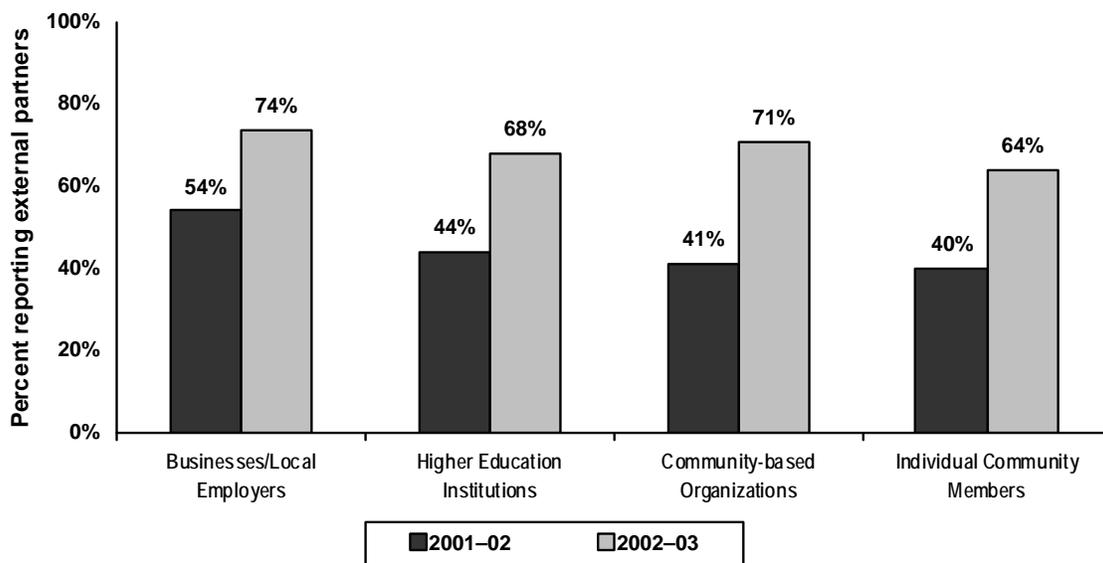


Exhibit reads: Seventy-four percent of SLC schools reported that businesses or local employers worked with their SLC programs in 2002–03, versus 54 percent in 2001–02.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Surveys, 2002, Question E6a, and 2003, Question F1a: “Who were the external partners that worked with your SLC program?”

³⁴ This may be partly attributable to the 2002 PIS asking schools whether they had external partners working “exclusively” with their SLCs, as opposed to the 2003 PIS, which only asked whether partners worked with their SLC programs, i.e., they also may have been working with the schools as a whole.

Of the schools working with external partners, virtually all report that their SLC program receives one or more benefits from the partnership (Exhibit 3.19). Chief among the most frequently reported benefits are serving on school improvement teams or advisory committees (60 percent); serving as in-school volunteers (57 percent); sponsoring or participating in special events at school, such as career days (51 percent); and serving as mentors or career advisors (45 percent).

Exhibit 3.19

Percentage of SLC Schools Reporting Various Benefits Provided to Their SLC Programs Through External Partnerships (of those whose external partners work with their SLC programs) (n=84)

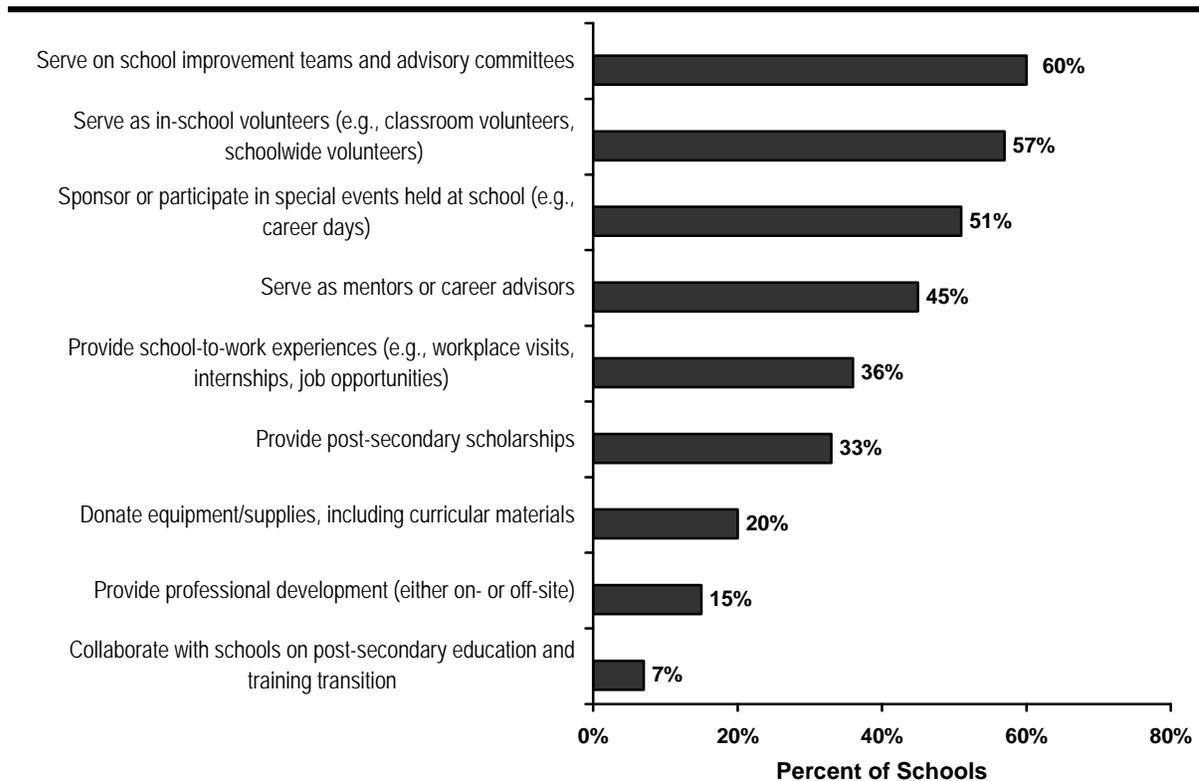


Exhibit reads: Sixty percent of schools reported their external partners serving on school improvement teams and advisory committees in 2002–03.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section F, Question 1b: “For each of the following, please indicate which benefits were provided to your SLC program by your school through partnership(s) with external entities in 2002–03.”

Career-Related Opportunities for Students

As a result of their external partnerships, schools were able to offer their students a number of career-related opportunities, most often on a schoolwide basis. Close to nine out of ten schools (88 percent) reported that they offered career-related opportunities on a schoolwide basis to students. The most prevalent form of career opportunity is community service learning, offered by over three-fourths of

schools (77 percent) to their students (Exhibit 3.20). In addition, two-thirds of schools offer either internships (69 percent) or job shadowing (65 percent) on a schoolwide basis.

Exhibit 3.20**Percentage of SLC Schools Reporting the Availability of Various Career or Community Opportunities at the School Level (n=105)**

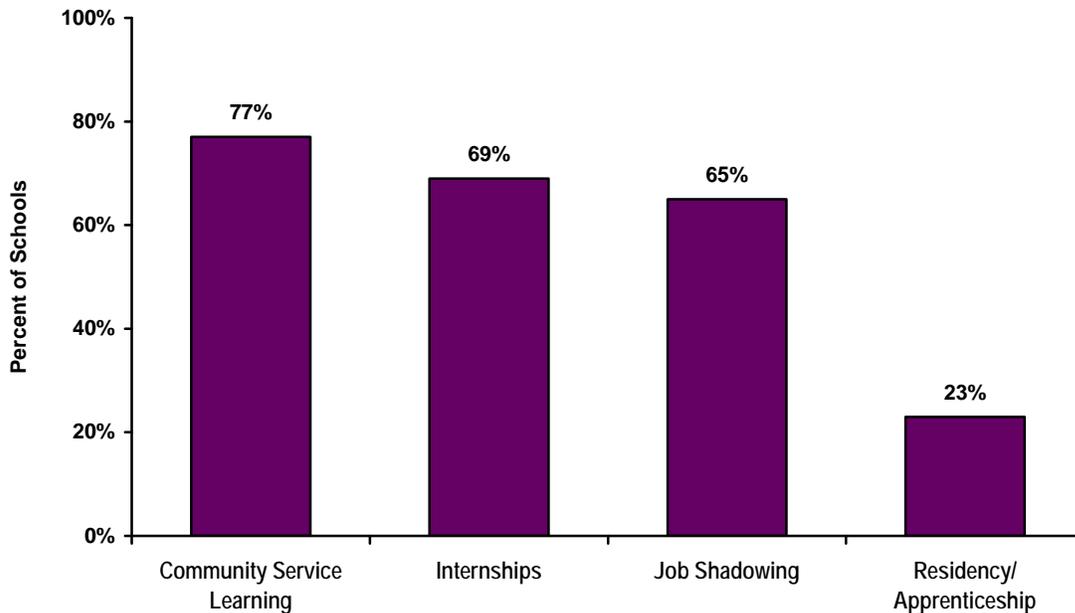


Exhibit reads: In 77 percent of SLC schools, community service learning opportunities are available to students schoolwide.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Section E, Question 1: “During the 2002–03 school year, were the following opportunities available to students school-wide?”

Role of Parents

When asked about the extent of parent and family involvement in their schools and SLC programs during the 2001–02 school year, more than two-thirds of responding schools (70 percent) reported some form of parental input in their SLC program.³⁵ As shown in Exhibit 3.21, parent and family involvement was generally targeted at the school as a whole, as opposed to being specific to the SLC program. During this second year of implementation, schools reported high levels of parental and family involvement school wide, with over three-fourths of the schools reporting parents and families participating in the parent-teacher organization (78 percent) and school governance (76 percent). Parental involvement in the SLC programs was much lower. The most frequently cited areas of involvement were parents participating in SLC student-centered events (54 percent) and student course plans (31 percent).

³⁵ This question was asked only for the 2001–02 school year.

Exhibit 3.21

Percentage of Schools Reporting Parental and Family Involvement Within Their SLCs and the School as a Whole ($n=105$)

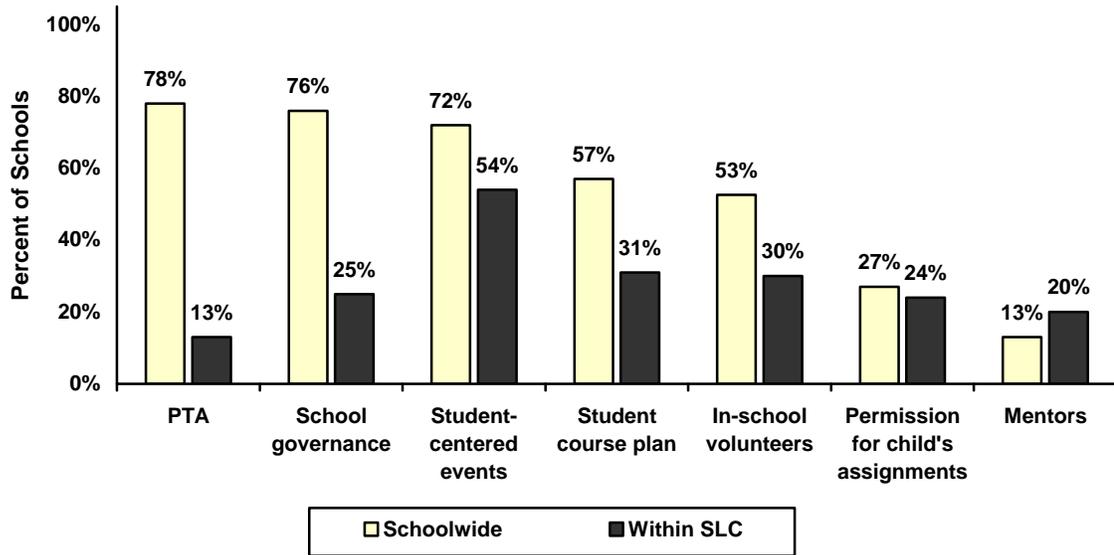


Exhibit reads: Seventy-eight percent of schools reported that parents or families participated in a parent-teacher organization, such as the PTA, within the school as a whole, as opposed to only 13 percent of schools reporting involvement only with their SLC program.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2002, Section E, Question 5: “How have parents/families been involved with your SLC program and/or your school?”

In summary, although most schools reported success in meeting some of the goals of the SLC legislation, only a minority was able to address all of the goals discussed in this chapter. In Chapter 6, we discuss further the overall extent of SLC implementation based on criteria tied to SLC legislative goals.

Facilitating and Inhibiting Factors in SLC Implementation

The previous section in this chapter described various implementation features of the Cohort 1 SLC schools in this study. This section first looks at a number of factors that could potentially be linked with implementation of a school's SLC initiative, including a school's prior involvement in SLC activities, the availability of external funding, and involvement in other SLC-related reform efforts. In addition, we look at a variety of organizational, instructional, and student and parent factors, which schools in general perceive as facilitating the implementation of their SLCs.³⁶

Facilitating Factors in SLC Implementation

Prior Involvement with SLCs

The concept of SLCs was not new for a majority of the Cohort 1 SLC schools when they first became eligible to receive funding in SY 2000–01. Prior experience with SLCs is expected to facilitate the implementation of a new SLC grant. Exhibit 3.22 tracks the respective percentages of schools and students involved in SLCs over the time period of 1996 through 2003. Over three-fourths of these schools indicated that they had some form of SLC involvement (structure or strategy) prior to the initial funding year. Among those schools with prior involvement, upwards of two-thirds of their students were continuously involved in SLCs.

External Funding

Schools also reported the availability of other sources of funding to help support the goals of their SLC programs. For the 2002–03 school year, almost two-thirds (65 percent) of schools reported the existence of external funding. Moreover, schools reported receiving external funding from multiple sources: federal money other than SLC (82 percent of schools) and state and local funding (73 and 76 percent, respectively). In addition, 59 percent of these schools reported external funding from private sources (e.g., philanthropic, foundation, for-profit, etc.). Given an expressed need by schools to expand existing staff and create additional space to accommodate their SLCs, the receipt of external funding in addition to SLC funds could have a positive effect on the implementation of their programs.

Coordination with Other High School Reform Efforts

Across all SLC schools, close to nine out of ten schools (88 percent) reported participating in other reforms as well. In particular, as shown in Exhibit 3.23, two-thirds of SLC schools report participating in standards-based reform (70 percent) and curriculum reforms (66 percent). Less than half of the schools (42 percent) were concurrently participating in one or more comprehensive high school reform models.³⁷

³⁶ This section reports on a number of facilitating and inhibiting factors in implementation across all Cohort 1 SLC schools. In Chapter 4 we elaborate on facilitating and inhibiting factors as they pertain specifically to career and freshman academies.

³⁷ The specific names of comprehensive school reform models were also requested in the 2003 version of the PIS. Among the schools engaged in other comprehensive school reform efforts (n = 44), the most commonly mentioned reform models were Talent Development (16 percent), High Schools That Work (16 percent) and First Things First (14 percent). However, 36 percent of these schools did not specify an easily recognizable school reform model name.

Exhibit 3.22

Percentage of SLC Schools and Students Involved in SLC Structures and Strategies, Before and After Federal Funding^a

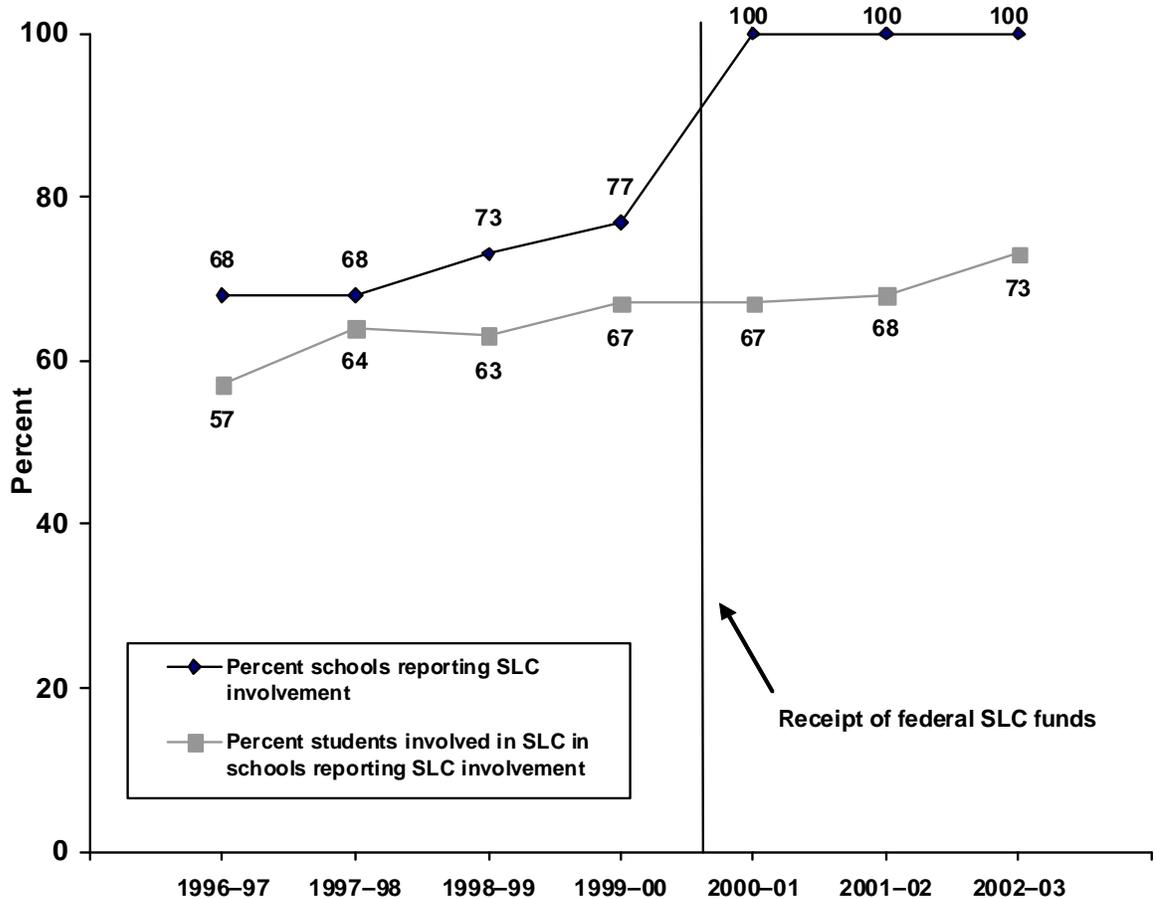


Exhibit reads: During the 1996–97 school year, 68 percent of schools were involved in SLC structures and strategies even prior to receiving federal SLC funds in 2000 or 2001. Beginning in 2000–01, all schools were involved in SLC structures and strategies.

Source: Implementation Study of Smaller Learning Communities, Annual Performance Report, 1996–03, Section 2: Data collected on the number of students enrolled in the school and the number of students involved in SLCs. (Data for school years 1996–97 through 1999–00 were collected on a retrospective basis in fall 2001.)

Note a: *N*s range from a low of 112 in 1996–97 to a high of 117 in 2000–01.

Given that multiple reform efforts in a school may have competing agendas and may conflict with each other, the extent to which other reform efforts are coordinated with the SLC initiative could be important in facilitating SLC implementation. In fact, coordination of other reforms with the SLC program was generally quite high, ranging from a low of 61 percent for standards-based reforms to a high of 77 percent of schools instituting other comprehensive high school reform models (Exhibit 3.23).

Exhibit 3.23**Percentage of SLC Schools Engaged in Other School Reform Efforts (n=105)**

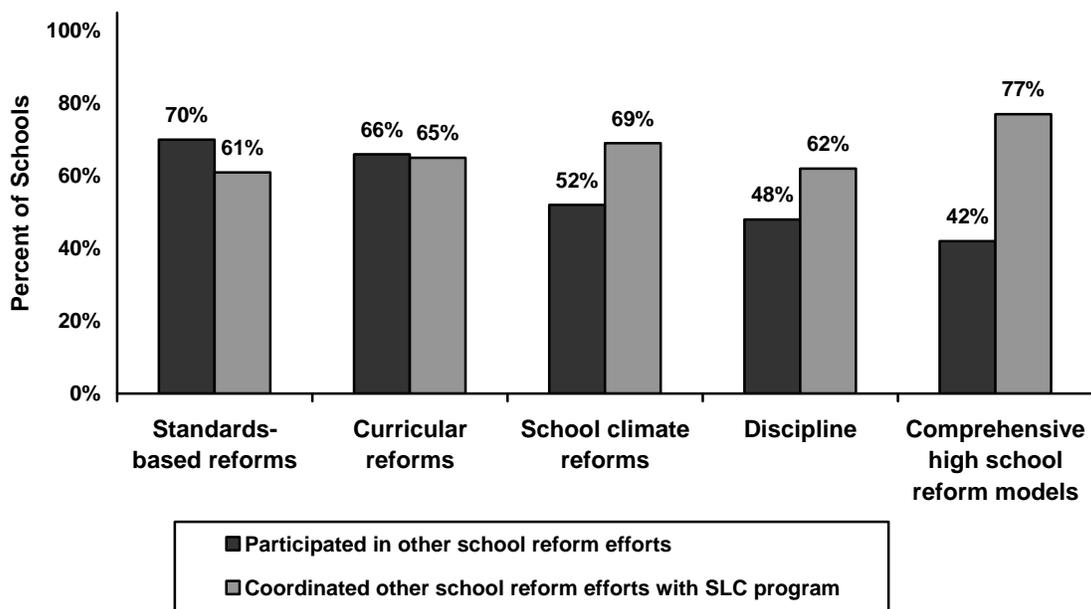


Exhibit reads: Seventy percent of schools participated in standards-based reforms. Of those schools participating in standards-based reform models, 61 percent coordinated these reforms with their SLC programs.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Question E5: “Please indicate whether your school implemented reform efforts in 2002–03 in any of the areas listed. Indicate whether they were coordinated with your SLC program.”

Organizational and Instructional Factors

One of the most important factors in a school’s ability to implement structural change is the availability and use of professional development for teachers. Our survey data point to the critical nature of professional development as a support mechanism for teachers as they assume new roles or take on new responsibilities in the SLC program. Overwhelmingly, 80 percent of schools reported the availability of professional development specific to the facilitation of the SLC as a positive factor on implementation (Exhibit 3.24).

In addition, more than two-thirds of schools reported the pedagogical practices of their staff (73 percent) as well as expertise on the part of their faculty (69 percent) to have a positive influence on SLC implementation. Teacher attitudes were similarly important, with more than three-fourths of schools (76 percent) reporting this as having a positive influence.

Exhibit 3.24**Percentage of SLC Schools Reporting Positive Influence of Selected Factors on Implementation of SLC (*n*=105)**

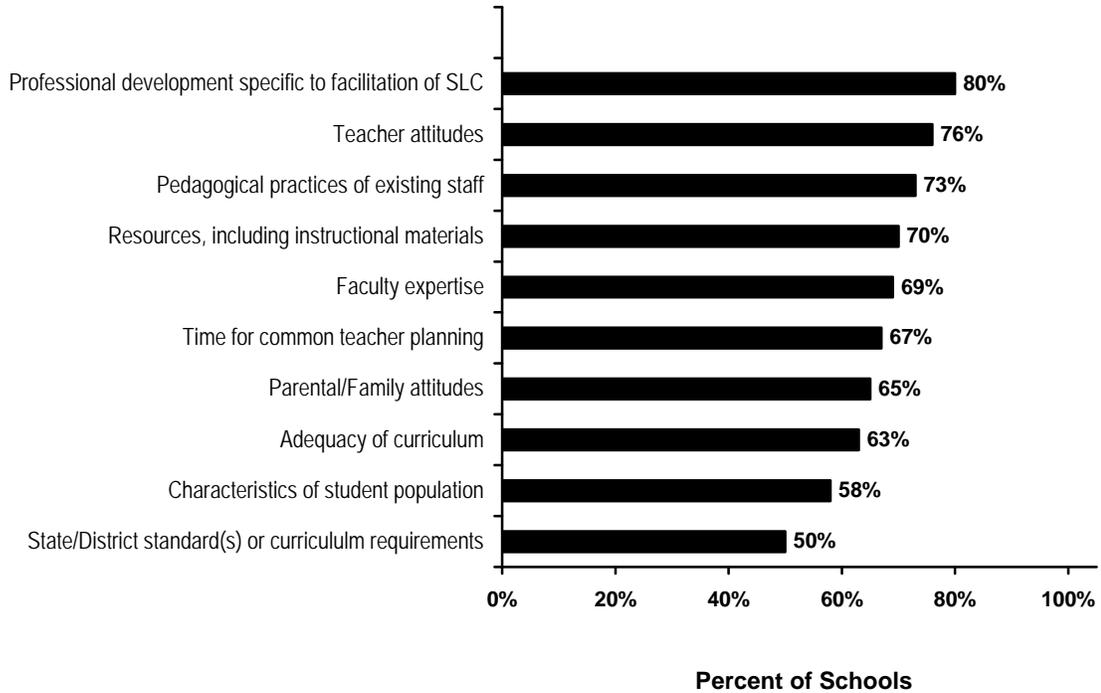


Exhibit reads: The availability of professional development specific to the facilitation of the SLC was reported by 80 percent of the schools as having a positive influence on implementation of their SLCs.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section B, Question 1: What influence did each of the following factors have on your school's implementation of the SLC program in the 2002–03 school year?"

Schools cited state or district standards or curriculum requirements as having a positive influence on the implementation of their SLCs.³⁸ As reported earlier in this chapter, more than half of these schools (53 percent) cited district- or state-initiated school reform as having a major influence on their decision to implement an SLC. When these schools were in their third year of implementation, one-half (50 percent) cited state or district requirements as having a positive influence on implementation of their SLC programs (Exhibit 3.24). Close to or more than two-thirds of schools reported the availability of resources, including instructional materials (70 percent), having time for common teacher planning (67 percent), and adequacy of their curricula (63 percent) as having a positive influence on their SLC implementations.

³⁸ In Chapter 4 we elaborate further on the separate roles of the state and district in influencing implementation in schools with career or freshman academies.

Student and Parent Factors

Schools also see parental involvement as a facilitating factor in SLC implementation. As shown in Exhibit 3.24, close to two-thirds of SLC schools (65 percent) reported parental or family attitudes as having a positive influence on implementation of their SLC programs.³⁹ In addition, the characteristics of a school's student population is seen by more than half of the SLC schools (58 percent) as having a positive influence on the implementation of their SLC programs.

Inhibiting Factors in SLC Implementation

Schools also report a number of factors that they perceived to have a negative influence on SLC implementation. These inhibitors include structural challenges, such as issues with physical space as well as school staffing needs, especially in terms of core academic teachers and guidance counselors.

Over one-third of schools (37 percent) perceived scheduling or logistics issues around the operation of their SLCs to be a negative influence on SLC implementation. More than one-fourth of schools (27 percent) reported issues with physical space or facilities as potentially inhibiting the implementation of their SLC programs (Exhibit 3.25).⁴⁰ Finally, 16 percent of the schools report the departmental organization of the school as negatively affecting their SLC implementation.⁴¹

Most schools reported that district hiring policies and teachers union attitudes neither helped nor hindered implementation, but they were cited as negative factors by a small number of schools (Exhibit 3.25). These factors could have serious implications in terms of school staffing needs.

³⁹ In contrast, as reported earlier in this chapter, when asked about the extent of parental and family involvement in their schools, 30 percent of responding schools reported no formal parental input in their SLC.

⁴⁰ In Chapter 4 we discuss further the issue of physical space and facilities issues as they specifically pertain to career and freshman academies.

⁴¹ Although 86 percent of schools report maintaining subject-based departments as part of their school organization, it appears as if only a small minority of schools report that this organizational structure impedes their ability to reorganize student and teacher populations effectively.

Exhibit 3.25**Percentage of SLC Schools Reporting Negative Influence of Selected School-Level Factors on Implementation of SLC ($n=105$)**

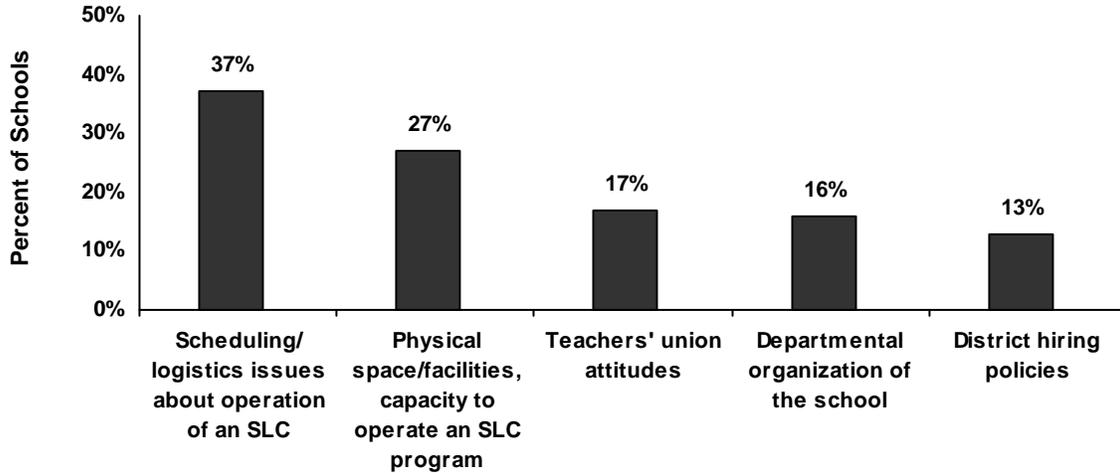


Exhibit reads: Thirty-seven percent of schools reported that scheduling or logistics issues had a negative influence on implementation of their SLCs.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section B, Question 1: "What influence did each of the following factors have on your school's implementation of the SLC program in the 2002–03 school year?"

Almost universally, schools reported that even without the additional demands of an SLC program, they do not have enough staff. As shown in Exhibit 3.26, two-thirds (68 percent) of schools reported that they need more core subject teachers, and almost two-thirds (64 percent) reported a need for guidance counselors and other professional support staff integral to the operation of the SLC. As shown in the exhibit, however, only a small minority of those schools reporting staffing needs indicated that their needs were "great." In addition, of those schools indicating at least some staffing need in general, fewer than half attributed an increased staffing need to their SLC programs.

Exhibit 3.26**Percentages of SLC Schools Reporting Various Staffing Needs ($n=101$)**

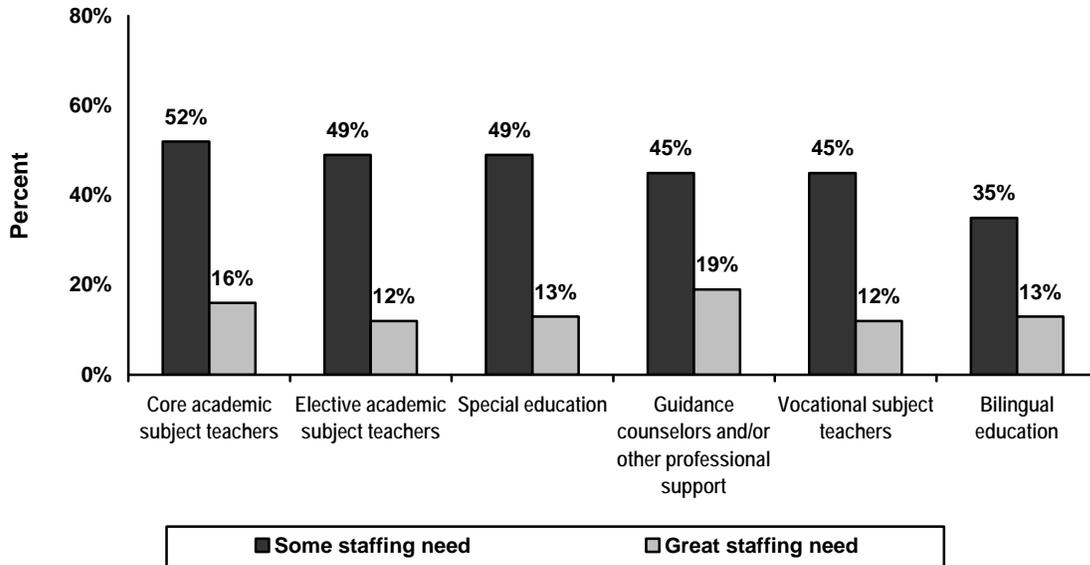


Exhibit reads: Fifty-two percent of SLC schools reported having some need in the area of core academic subject teachers in 2002–03.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section C, Question 4: “Please indicate the extent to which your school had staffing needs in each of the following areas in 2002–03.”

The discussion in this chapter has provided a comprehensive look at the diversity in the types of structures and strategies that Cohort 1 SLC schools have chosen to implement, the extent to which schools have tried to meet some of the goals of the SLC legislation, and the factors reportedly influencing SLC implementation. In the following chapter we present a detailed discussion of the implementation of career and freshman academy programs in SLC schools.

Chapter 4

Implementation of Two Common SLC Structures: Career and Freshman Academies

Introduction

This chapter focuses on the two most commonly found SLC structures—career and freshman academy programs. The discussion centers on three research questions:

- To what extent do career academies funded under the federal legislation include key elements described in the federal program guidance and reflect the overall program model?
- To what extent do freshman academies funded under the federal legislation include key elements described in the federal program guidance and reflect the overall program model?
- Given the variability in implementation of career and freshmen academies, what factors have affected implementation?

When discussing implementation, we have focused on the extent to which career and freshman academy programs have implemented key structural and programmatic features consistent with federal SLC program guidance. We identified career and freshman academy programs based upon the section(s) of the 2003 PIS that they completed. Schools were asked to identify the number of students in each academy program as well as other structures and strategies in their Annual Performance Report. The PIS definitions are the same as those in the APR. Because these academies were pulled into the sample based upon their survey responses, schools may have implemented these structures alone, in combination with strategies (e.g., block scheduling), or in tandem with another academy type.⁴² Survey data for this chapter are drawn from the 2003 PIS, describing the sample of 44 Cohort 1 schools with career academies and 58 schools with freshman academies. We are using the 2003 PIS because it provides the most recent data on implementation. The survey data are supplemented with data obtained during site visits and through telephone calls with ten SLC schools with freshman academies and eight schools with career academies. Overviews of schools visited are contained in Appendix H.

In assessing the degree to which SLCs achieved desired implementation, we specify three categories: high implementing schools, moderately implementing schools, and low implementing schools. The categories are specified below and are based on schools' reported success in implementing a combination of the key features of career and freshman academies. Among the 44 career academies with federal funding, eight are high implementers, 26 are moderate implementers, and ten are low implementers. Among the 58 freshman academies in the study, 33 are high implementers, 13 are moderate implementers, and 12 are low implementers.

⁴² A number of schools ($n=22$) have both career and freshman academy programs. Therefore, these schools appear in our descriptions of both career and freshman academy programs.

Key Features of Career Academy Implementation

The following discussion focuses on the extent to which the following key features of career academies have been implemented across the 44 career academy schools in Cohort 1:

- Some separate identity from the rest of the high school;
- Integrated academic and vocational instruction;
- Work-based learning for students;
- Common planning time for teachers; and
- Enrollments that reflect the demographics of the overall student body.

We have judged these implementation features to be at the center of the career academy definition provided by the Department of Education. Using PIS data, we identified several variables that align with this definition of career academies (Exhibit 4.1). We present descriptive data from the 2003 PIS for all Cohort 1 schools with career academies, supported with examples from the eight career academy case studies.

Separate Identity for Career Academies

Career academies have tried to establish a distinct identity for the entire program, as well as for individual career academy groups. Schools have crafted this separate identity by creating separate physical space for the career academy program, and scheduling students to take the majority of their courses within a career academy. Schools are more likely to create separate space for academy groups than to schedule students into career academy-exclusive groups. According to PIS data, 86 percent of schools have created some separate instructional areas for their career academy groups (Exhibit 4.2). Only 14 percent of schools, however, have created a master schedule to allow students to take all their courses within the academy group. Overall, 11 percent of career academies have been able to create separate instructional space and a schedule for students to take all their courses within the academy structure. In addition, students in career academy programs, on average, take approximately two-thirds (62 percent) of their academic courses within the academy structures.

In the case study schools, career academies have tried to build a program separate from the rest of the school by creating communities of teachers and students that are interested in common topic areas, and creating separate instructional areas for these teachers and students.

Exhibit 4.1**PIS Variables Describing Key Features of Career Academy Implementation (number of schools with career academies responding to each item)**

Measures of Career Academy Separateness

- Percent of course load taken within the career academy ($n=42$)
- Percent of school day spent in career academy area ($n=43$)
- All courses are taken within the academy ($n=43$)
- Career academy has some separate instructional areas ($n=43$)
- Career academy has autonomy over its:
 - Budget ($n=43$)
 - Staff ($n=43$)
 - Instructional leadership teams ($n=43$)
 - Operating procedures ($n=43$)
 - Discipline policies ($n=42$)
- Career academy has sole decision-making power (or shares decision-making power with school) regarding:
 - Course offerings ($n=42$)
 - Selection of instructional materials ($n=42$)
 - Assignment of students to teachers ($n=42$)
 - Daily/weekly schedule ($n=42$)
 - Academy organization ($n=41$)
 - Budget allocation ($n=42$)
 - Hiring for academy positions ($n=42$)

Measures of Integration of Academic and Vocational Instruction

- Career academy offers courses that integrate academic and vocational instruction ($n=43$)
- Number of integrated courses has not decreased since SLC funding ($n=39$)
- Career academy offers courses specific to the SLC theme ($n=43$)
- Number of SLC specific courses has not decreased since SLC funding ($n=36$)
- Career academy has career/vocational course requirements ($n=43$)

Measures of Work-Based Learning Opportunities

- The following are available to career academy students:
 - Job shadowing ($n=42$)
 - Internships ($n=43$)
 - Community service learning ($n=41$)
 - Residency/apprenticeships ($n=36$)
- The following are graduation requirements for career academy students:
 - Co-op or credit work ($n=41$)
 - Service learning/volunteer work ($n=42$)

Measures of Common Planning Time

- Teachers have common planning time for career academy program activities ($n=42$)
- Teachers have common planning time once per week or more ($n=42$)

Measures of Student Demographics

- Career academy does not have statistically significant differences between each academy and the school as a whole regarding students' demographic characteristics
 - Race ($n=35$)
 - Gender ($n=35$)
 - LEP status ($n=26$)

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

Exhibit 4.2**Percentage of Schools With Career Academies Reporting Separate Features for Academy Program (n=43)**

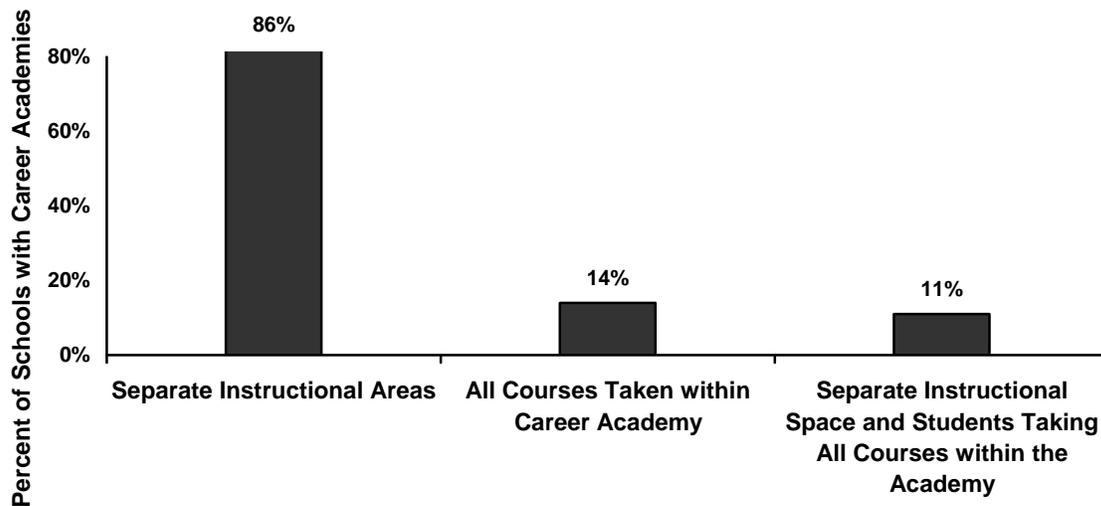


Exhibit reads: During the 2002–03 school year, 86 percent of schools with career academy programs reported a separate instructional space for the academy.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 10: “In 2002–03, was there a separate physical space set aside for students in the career academy program at your school?” AND Question 13: “In the 2002–03 school year, did students enrolled in each career academy take all of their courses within their own career academy?”

Autonomy Over SLC Program Policies

To allow career academy programs to develop and grow with some independence, schools have granted academies some degree of discretion over policies and operations. Career academies are likely to have autonomy over staff decisions and the creation of instructional leadership teams. They are less likely to have autonomy over decisions related to operating procedures, the program’s budget, and discipline policies. Very few career academies have been able to garner autonomy over all the program features measured; only 17 percent of career academies have gained autonomy over all five of these program features (Exhibit 4.3). We should note that complete autonomy may be neither desirable nor needed. If a high school has effective disciplinary policies, for example, there may be no need for career academies to create their own.

Exhibit 4.3**Percentage of Schools With Career Academies Reporting Autonomy Over Program Features (n=42)**

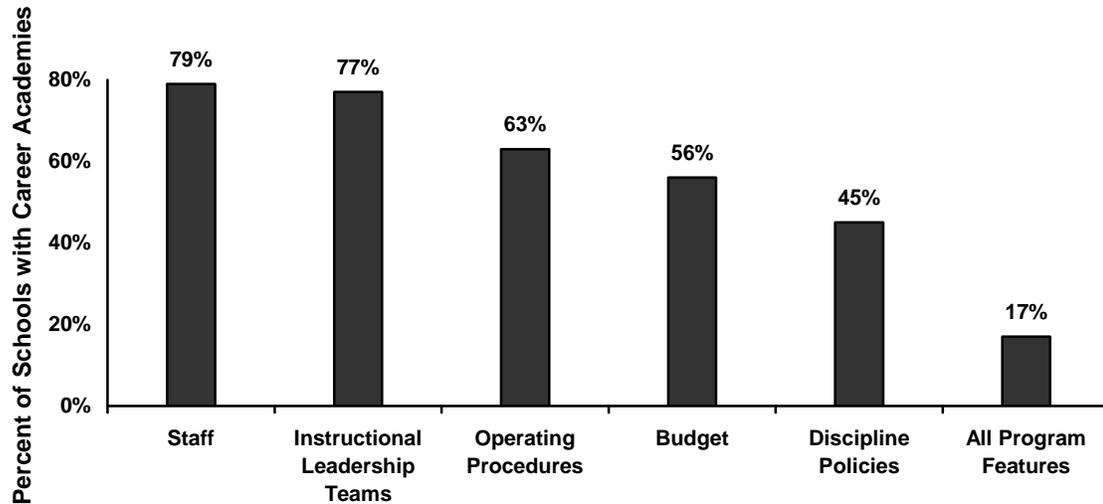


Exhibit reads: During the 2002–03 school year, 79 percent of schools with career academy programs had autonomy over staffing decisions.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 9: “In 2002–03, did your school’s career academy program have its own: budget, staff, instructional leadership teams, operating procedures, discipline policies?”

Career academy programs were likely to develop combinations of autonomous features. For example, 30 percent of career academies have autonomy over all program features, except for the program’s budget. An additional 23 percent of programs have autonomy over three of the five program features; the most common combination of these autonomous features is schools reporting autonomy over staff, instructional leadership teams, and budget. Still other career academies report autonomy over two of these program features.

If the career academy program does not have exclusive decision-making power, it often shares decision making with the school administration. According to PIS data, career academies are most likely to be exclusively responsible, or hold joint responsibility with the school’s administration, for decisions related to the program’s budget allocation, academy organization, the selection of instructional materials, and the assignment of teachers to students. Career academies and schools are less likely to hold decision-making authority for course offerings and hiring staff for academy positions.

Overall, 20 percent of career academy programs report exclusive or shared decision-making power over all of the program decisions we tracked (Exhibit 4.4). Similar to the autonomy programs have gained over program features, career academies have also developed patterns of combinations in terms of decision-making authority with schools. For example, 43 percent of career academies have sole or shared decision-making power over at least four of these program features, typically academy

organization, the selection of instructional materials, the assignment of students to teachers, and allocation of funds within the program’s budget.

Exhibit 4.4**Percentage of Schools With Career Academies Reporting Sole or Shared Decision-Making Power With School (n=41)**

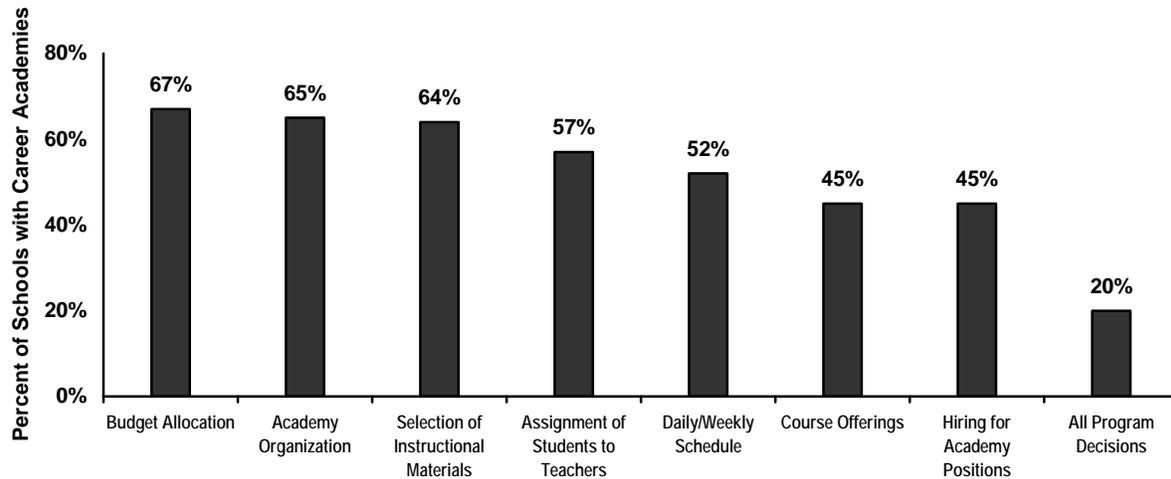


Exhibit reads: During the 2002–03 school year, 67 percent of schools with career academy programs had sole or shared decision-making power with the school regarding budget allocation.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 18: “For each of the following, at which level were decisions made during 2002–03?”

Our case study data reinforce the critical importance of autonomy in a school’s ability to restructure into career academies. School officials reported that they must have a substantial degree of control over their own reform process to achieve effective implementation. Teachers’ perceptions that reforms are externally mandated can alienate staff and reduce teacher buy-in, often leaving staff feeling that they have no voice in the future direction of the school. Second, each academy needs a certain degree of autonomy to establish its own thematic identity and create a sense of belonging for students and teachers. The following example illustrates one school’s attempt to establish theme-based academies.

Establishing Themes

One Midwestern school with 1,200 students has divided into four themed SLCs: Health and Sciences, Community and Culture (Humanities), Performing and Visual Arts, and ROTC and Business. Each SLC has both unthemed academic core courses (English, math, science, and social studies and history) and elective courses linked to career pathways. The SLC units themselves are still in the process of establishing themed identities, using events and SLC activities in place of curricular changes. For example, the Community and Culture SLC held two events during our two-day visit: bringing in an invited speaker, author Kent Haruf, after the entire SLC had read one of his novels (*Plainsong*); and holding a dedication of a Vietnam memorial in the C and C hallway, with speeches by local dignitaries and the unveiling of a commemorative plaque students had made. Meanwhile, the Visual and Performing Arts SLC attended a performance by the Alvin Ailey Dance Company. Many students and staff commented that the SLCs are still struggling with the theme identities and figuring out how to work together. Their approach seeks to build on the success and cohesiveness of these events to make more substantial changes to the SLC program.

Integration of Academic and Vocational Instruction

Career academy programs have begun to integrate traditional academic courses and more innovative career courses that may be related to the academy theme. According to PIS data, a high percentage of career academy programs report that they offer courses that integrate academic and vocational instruction. In addition, a lower percentage of programs report courses specific to the SLC theme are offered. An even smaller, but still substantial, number of career academies have implemented career and vocational course graduation requirements (Exhibit 4.6).

Fifty-seven percent of career academies report having implemented courses that integrate academic and vocational instruction, are specific to the SLC theme, and require career courses for graduation (Exhibit 4.6). An additional 36 percent of career academy programs have implemented two of these three types of integrated courses. These schools are most likely to have implemented courses that integrate academic and vocational instruction and courses that are specific to the SLC theme, but have not implemented graduation requirements that include career and vocational course requirements.

Data from the case study visits reveal that career academies have taken one of two approaches to integrating academic and vocational instruction: (1) career-related courses as electives, or (2) integrating career themes in core academic courses. Most schools tended to offer core academic courses at each grade that cross career academy boundaries; they then organized career-specific or career-related courses as a set of electives from which students could choose to specialize in one area. Very few career academies in the case study sample have actually infused career-related themes into core academic classes.

Exhibit 4.6**Percentage of Schools With Career Academies Reporting Integration of Academic and Vocational Instruction ($n=43$)**

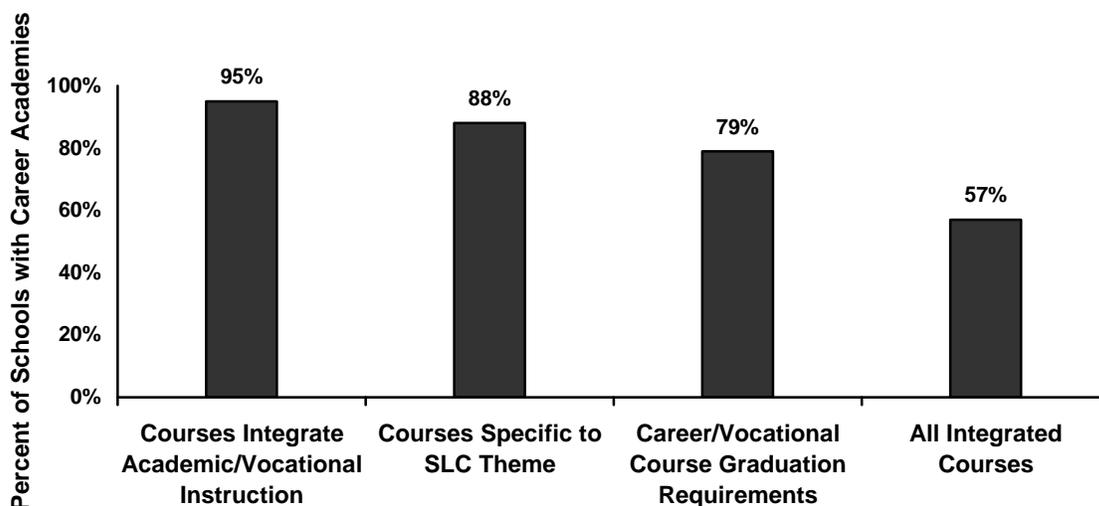


Exhibit reads: During the 2002–03 school year, 95 percent of schools with career academy programs offered courses that integrate academic and vocational instruction.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 14: “In column A, please indicate whether the following types of courses were offered in your career academy in 2002–03. In column B, please indicate whether the number of course offerings for students in the career academy has changed since SLC funding began.” AND Career Academy Module, Question 16: “Were any of the following required for graduation within the career academy in 2002–03?”

Although teachers reported wanting to introduced career-related applications from related careers into the core academic courses and provides themed electives in the upper grades: only one school did. At that school, students began to learn high technology skills in both their core academic and technical classes with Internet-based assignments, and completed assignments using Microsoft Office Suite and industry-specific technology. In the school’s 10th-grade *Pathways* class (a licensed, project-based learning curriculum), students produced portfolios in multimedia technology, digital manufacturing, business presentation, and desktop publishing. The school was able to provide such a focused curriculum because it was becoming a small autonomous high school and was not required to duplicate the broad range of curricular opportunities available at the two comprehensive high schools in its district. It also had a relatively small staff and student body and a limited scope of curricular offerings.

High Standards and Cutting-Edge Technology for All

One stand-alone career academy has been able to combine college-prep level courses with high-level relevant technical skills. The school's mission is "to prepare our students for a future in which expanded core knowledge in digital and visual literacy, inventive problem solving, critical thinking, and teaming will combine with traditional foundations of academics." Teachers and administrators actively reinforce their expectation that students will graduate and attend college. The school has been able to achieve this by making several strategic decisions. First, the administration chose to hire highly qualified technology professionals to teach any computer-based application courses that the school offered. Next, the director of the school made high academic expectations the first order of business; he has established a public expectation that "all students will graduate, and all graduates will attend college." Thus far, of the two previous classes, 100 percent of the students have graduated, and 100 percent have gone on to college (the director estimates that only about 30 percent were planning to go to college when they entered as underclassmen). Finally, the school made a significant investment in technology to afford access to all teachers and students. The school has equipped every teacher with a laptop, every classroom with a printer, and the school with its own e-mail system. It has also become the beta test-site for technology in the district, and is often afforded the opportunity to receive new technology. As noted above, the integration of technical knowledge and applied skills has been infused to the strong academic curriculum—a significant challenge that remains for schools developing and implementing their career academy programs.

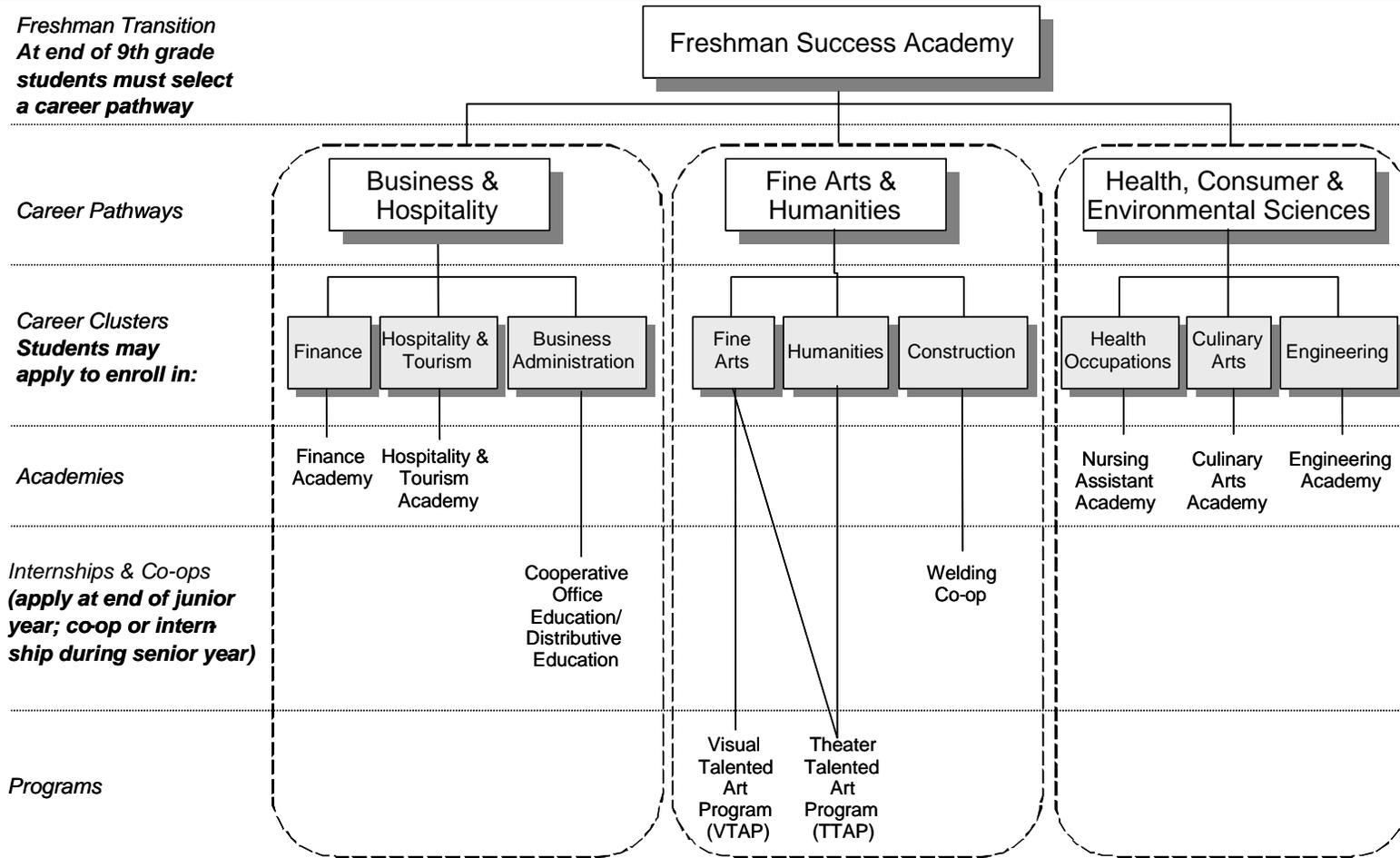
School-level respondents from nearly all the career academy programs we visited reported facing significant obstacles in making curricular change. For ninth-grade, students typically took only academic courses. All career academy programs in the case study sample have crafted an initial course in ninth grade to have students start thinking about career choices. These are aimed at introducing a variety of possible careers and indicating the connection between high school courses and particular careers.

For grades 10–12, schools have introduced collections of electives with designations indicating the careers for which they might be most appropriate. For example, one school's Health, Consumer, and Environmental Sciences pathway was the administrative home for the Culinary Arts career cluster and the Culinary Arts Academy, which was a sequence of courses aimed at developing competency in the culinary arts, as well as the Nursing Assistant career academy. Their Fine Arts and Humanities pathway contained the Construction career cluster, within which the Welding Co-Op was located; and the Business and Hospitality pathway contained the Finance career cluster, within which was a Finance Academy. Each of the above pathways included three career clusters enrolling 75 to 100 students each (so that each pathway's enrollment was approximately 300 to 350 students). The curriculum offerings of this school are displayed in Exhibit 4.7. Students could choose to take all the required courses in the cluster, resulting in a relatively significant amount of course work in one specialized area (e.g., culinary arts), or they could sample more widely from electives offered in one (or more) pathway(s).

Exhibit 4.7

Curricular Offerings in One SLC Grantee School

Freshman Transition
At end of 9th grade
students must select
a career pathway



Source: Case study program information.

Work-Based Learning Opportunities

Career academies also report a significant number of career-related, or work-based, learning opportunities available to their students. Most common among the work-based opportunities for students are job shadowing and community service learning projects. A high percentage of career academies also report the availability of internships to their students. Far fewer career academy programs offer residencies or apprenticeships (Exhibit 4.8).

Exhibit 4.8

Percentage of Schools With Career Academies That Offer Work-Based Learning Opportunities

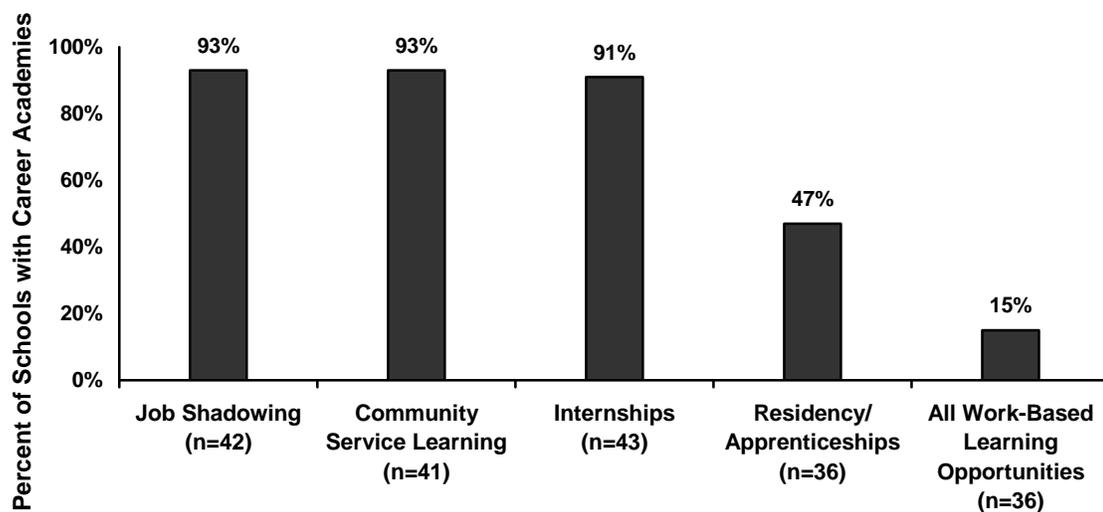


Exhibit reads: During the 2002–03 school year, 93 percent of schools with career academy programs offered job shadowing opportunities to students.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 17: “During the 2002–03 school year, were any of the following opportunities available solely to students in your career academy?”

Note: Not all of the 44 schools with career academies responded to each question. The *n* refers to the number that provided information. That is, 42 schools responded to the question on job shadowing, but only 36 schools responded to the question on apprenticeships.

Fifteen percent of career academies have implemented all of these work-based learning opportunities: job shadowing, community service learning, internships, and residency or apprenticeships. An additional 53 percent of career academy programs have implemented three of these opportunities in combination. Schools that have done so have been likely to implement job shadowing, community service learning, and internships. Another 53 percent of career academies have implemented two of the four opportunities; half of these schools offer job shadowing and internships.

Data from case study visits provides more detailed information about the types of work-based learning opportunities available, and how they have been implemented with career academies. In

most career academies, internships have been linked to specific academy groups, in an effort to provide work experience to students with a defined career interest. A smaller number of schools have crafted articulation agreements with local higher education institutions to provide access to college-level courses in career-related topics.

As noted, some schools developed internships to align with specific career academy groups. One school had established a variety of concrete opportunities for students, beginning with specific business partnerships for each academy or program in the school (Exhibit 4.7). For example, its welding and nursing academies have standing partnerships with local businesses and hospitals, respectively, and these entities offer students the opportunity for an internship. Ten to twelve students annually participate in the nursing assistantship program; an additional ten to twelve intern with local employers as part of the cooperative office education program.

Other schools' internship programs are more widely available to the general student population, and are not a facet of a career academy theme. At the career academy program with the most widespread internship program, the school-to-career director is the key person in the school's 11th- to 12th-grade career opportunities program, in part because of the strong relationships he has forged over many years as a member of the local Chamber of Commerce. Students typically spend one period during the school day at the internship site and are evaluated by an on-site supervisor. The director also arranges numerous job-shadowing opportunities for students considering various careers. This program serves a dual role: providing opportunities for students while forging bonds between the community and the school. Only one other school has forged such extensive partnerships with the business community; the school has members of the local business community on its board of directors, which helped in advocating for the school's inception and remains active in providing leadership.

Articulation agreements with local colleges and universities are rare among schools with career academy programs in the case study sample. Two schools we visited, however, have been able to establish these relationships and provide significant career opportunities through them. For example, one of the case study schools has established a formal articulation agreement with the local technical college for its welding program, enabling students to receive a trade certificate in welding by the time of high school graduation. Although many of these programs predate the current federal SLC funding, the school aims to expand offerings to make opportunities available for all students by the time the current 10th-graders are seniors.

According to survey data, a significant number of schools have made work-based learning opportunities a graduation requirement. Approximately half of the schools with career academy programs have implemented graduation requirements that require students to participate in a co-op program or provide credit for work or a service-learning project. A majority of schools have implemented career courses as a graduation requirement (Exhibit 4.9).

Twenty-eight percent of career academy programs have implemented all three of the career-related graduation requirements (Exhibit 4.9). An additional 14 percent of career academies have implemented two out of three of these career-related graduation requirements; the most common combination being career academies that have implemented career courses and service learning requirements.

Exhibit 4.9**Percentage of Schools With Career Academies That Have Implemented Career-Related Graduation Requirements (*n*=41)**

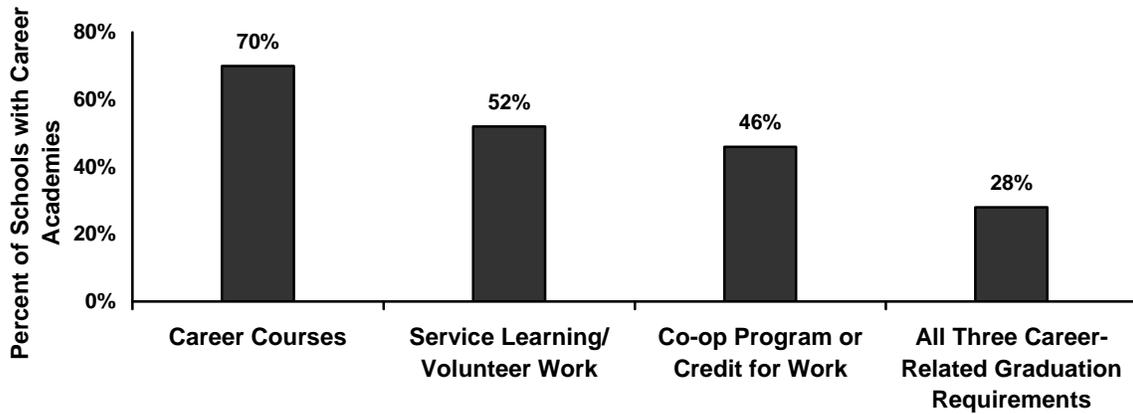


Exhibit reads: During the 2002–03 school year, 70 percent of schools with career academy programs had implemented career courses as a graduation requirement.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 6: “Were any of the following required for graduation within the career academy in 2002–03?”

Common Planning Time for Teachers

Common planning time has been employed as a strategy to improve communication between teachers, and allow teachers who share the same students to meet on a regular basis. Many SLC structures have chosen to cluster teachers to allow for a greater percentage of shared students, making the use of common planning time an effective tool to achieve personalization, and “smallness” for students. Although a relatively high percentage of career academy programs (65 percent) report that teachers have been afforded common planning time for academy activities, only slightly more than one-quarter (29 percent) of teachers meet for common planning time at least once a week (Exhibit 4.10).

Exhibit 4.10**Percentage of Schools With Career Academies Reporting Common Planning Time and the Frequency of Its Use (n=42)**

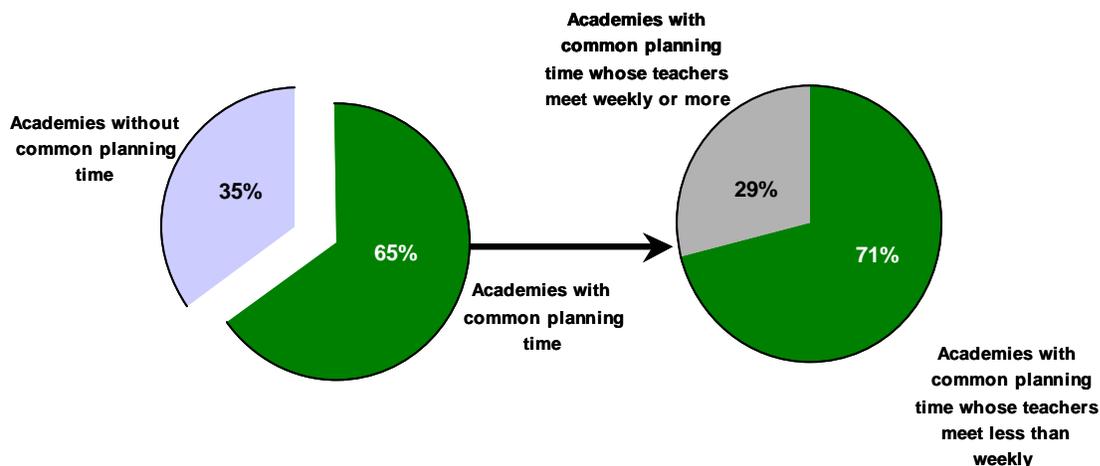


Exhibit reads: (Left-hand chart) During the 2002–03 school year, 65 percent of schools with career academy programs provided common planning time for program activities. (Right-hand chart) In 29 percent of programs with common planning time, teachers meet at least weekly.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 11: “During the 2002–03 school year, did teachers have common planning time for career academy program activities?” AND Question 11a: “If yes, about how often did teachers in your school participate in common planning time related to the career academy program?”

Demographics of Student Enrollment

Previous research and the SLC program are both concerned with the placement of students in less academically rigorous programs. The SLC program states that students “not be placed according to ability or any other measure.” Although no data were available on student ability and we were unable to distinguish student placement from student selection, we were able to compare enrollments by race, gender, and LEP status in each academy with total school enrollment as a proxy for the degree to which schools were making an effort to achieve the spirit of the law. These analyses should be seen as exploratory. A substantial proportion of schools with career academies did not provide complete data. We have data on 35 of 44 schools (80 percent) on race and gender, but only 26 of 44 schools (60 percent) on LEP status.

Schools implementing career academy programs have found it difficult to create academy groups that are demographically similar to the school as a whole. According to PIS and APR data collected during the 2002–03 school year on the demographic characteristics (i.e., race, gender and students with LEP) of academy subgroups and on the school as a whole, schools are struggling to create

groups that match the school as a whole.⁴³ In 51 percent of the schools with career academies, the racial composition of each career academy program in the school matched the racial composition of the school as a whole (Exhibit 4.11). In addition, another 20 percent of schools had only one academy among all its career academies not matching the racial demographics of the whole school. Among the 20 schools with four separate academies, for example, six had all four academies mirroring the school as a whole, and an additional five schools had a significant difference with only one of the four academies. In the 26 schools for which we had LEP enrollment data, ten schools (38 percent of the total) had each career academy matching the school as a whole on the proportion of students with LEP. The greatest disparity in enrollments is found by gender. In ten schools (29 percent of the schools with available data) each career academy matched the distribution by gender in the school. In fact, in the 20 schools with four separate academies, only one school had all four of its academies mirroring the gender distribution of the school.

Case study data illuminate the difficulties career academy programs have experienced. Serving the needs of learners—especially a school’s LEP population—is particularly difficult. Offering English language instruction within each academy is nearly impossible, given the limited number of staff qualified to teach these courses. Also, depending on the size of the academy, there may not be enough students to fulfill minimum enrollment requirements for one section of any particular course. A few case study schools with large LEP populations have opted to run separate courses for these students (e.g., English as a second language courses), while including them in a few regular education classes within a particular academy group, maximizing their benefit from participation in the SLC structure.

Among the case study schools, many school respondents also reported that allowing students choice about academy enrollment often introduced segregation by race, gender, SES, or even academic performance into these groups. Some teachers and administrators whom we interviewed also spoke of students’ perceptions of the prestige of particular academy groups (e.g., either as higher performing, or more socially desirable) as a factor in choosing one academy over another. Schools are still struggling with the trade-off of allowing student choice in academy themes with the risk of student resegregation, versus arbitrarily assigning students to academies (and thereby jeopardizing student engagement around the theme) to maintain balanced enrollments within and across academies.

⁴³ We compared the demographic composition of academy groups (where this information was complete) using a one-sample t-test. To conduct this analysis we needed a minimum amount of data, including data on race, gender and LEP composition within each academy group as well as for the whole school. We performed a t-test between each academy group and the whole school. APR data was used for school-level race and LEP composition. The APR, however, does not collect school-level gender data, so we assumed that the total school enrollment was evenly divided between female and male students.

Exhibit 4.11**Percentage of Schools Implementing Career Academies in Which the Demographics of Each Career Academy Group Matched the Demographics of the School as a Whole in Terms of Race, Gender, and LEP**

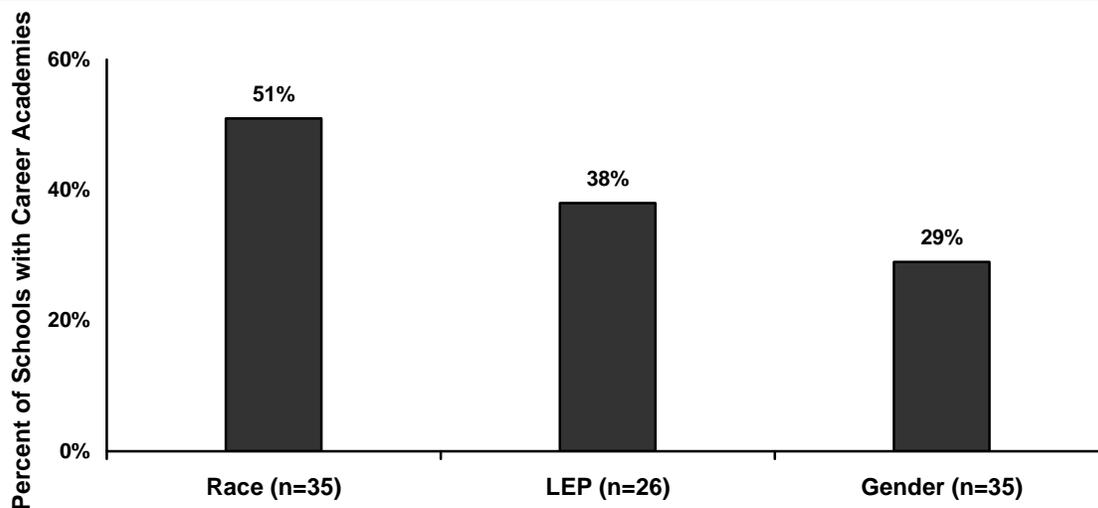


Exhibit reads: During the 2002–03 school year, 51 percent of schools with career academies had each career academy match the racial composition of the school as a whole.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 6: “Below we ask you to describe each of your career academy groups. There is space to describe up to four. . . . In section B, please estimate the number of students in each career academy group. In section C, please provide the demographic characteristics of students in each career academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range.” AND Annual Performance Report, School Year 2002–03, Question 2: “School Background, Student Race Categories, 9th Grade, 10th Grade, 11th Grade, 12th Grade.”

Note: The *n* represents the number of schools with career academies for which we had data. Forty-four schools reported having career academies.

Levels of Career Academy Implementation

The Department of Education defined career academies as “integrating academic and vocational opportunities for students, and preparing students for postsecondary education and employment—with the personalized learning environment of a small, focused learning community. Teachers and students integrate academic and occupation-related classes as a way to enhance real-world relevance and maintain high academic standards. Local employer partnerships provide program planning guidance, mentors, and work internships. Career academies share with other restructuring initiatives an emphasis on building relationships between students and adults.” This section of the report describes the extent to which career academies funded under the federal program have reported success in implementing all of the key features of implementation, as described in federal program guidance.

“High Implementing” Career Academies (n=8)

Using the available PIS data, we define a high implementing career academy as one that includes the following:

- Common planning time for teachers (for such purposes as facilitating integration of academic and vocational opportunities or discussing the needs of students they teach in common);
- Autonomy over SLC-level program policies;
- Work-based learning opportunities and internship programs for students; and
- Career-related graduation requirements that included both course work and service learning projects or a cooperative working experience.

In addition, a high implementing career academy should have:

- An increased number of courses that integrate academic and vocational instruction or are specific to the SLC program theme;
- Students taking more than half their course load within the career academy; and
- Similar enrollments by race across each academy.⁴⁴

Among the 44 schools with career academies, eight met all of the first four criteria. Six of the eight had increased courses, and seven of the eight had students taking more than half their courses within the career academy. Four of the eight had demographically similar students in their academies. Exhibit 4.12 summarizes the data as levels of implementation for schools with career academies.

“Moderately Implementing” Career Academies (n=26)

Moderately implementing career academies are defined as those that have some but not all the features of high implementing career academies. For example, some schools created common planning time for teachers and instituted career-related graduation requirements, but have limited autonomy over program policies. Other schools have achieved some degree of autonomy over program policy decisions and have instituted career-related graduation requirements, but have not implemented common planning time. Still others have common planning time and have gained a significant level of autonomy but have not implemented career-related graduation requirements. Twenty-six career academy programs met these criteria.

Most have common planning time for teachers, but just less than half (12 of 26) report autonomy over budgetary decisions and discipline policies. Four-fifths (21 of 26) have implemented work-based learning opportunities. Two-thirds (17 of 26) have implemented career-related graduation requirements, typically both course work and job shadowing.

⁴⁴ We have limited this analysis to differences by race because more schools had complete data on this variable.

Exhibit 4.12**Number of Schools With Career Academies, by Levels of Implementation and Defining Characteristics (n=44)**

Schools with Career Academies	Teachers Have Common Planning Time	Autonomy Over at Least Four SLC Program Policies	Work-based Learning Opportunities	Career-related Graduation Requirements	Increased Number of Courses Integrating Instruction	At Least Half of Course Load Taken in Career Academy	Similar Enrollments by Race Across Career Academy Groups
High implementing (n=8)	All	All	All	All	6 of 8	7 of 8	4 of 8
Moderately implementing (n=26)	20 of 26	12 of 26	21 of 26	17 of 26	18 of 26	16 of 26	12 of 19 (schools reporting data)
Low implementing (n=10)	None	None	8 of 10, but less intensive	8 of 10	7 of 10	5 of 10	2 of 8 (schools reporting data)

Exhibit reads: In all high implementing career academy programs, teachers have common planning time, but common planning time is found in only three-quarters of the moderately implementing career academies, and in none of the low implementing career academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Questions 6, 9-11, 14, and 17.

Moderately implementing career academies are similar to high implementing ones on course load taken within the academy and enrollments by race matching the schools' distribution. Just under two-thirds (16 of 26) have students taking more than half their course load in the career academy. Over three-fifths (63 percent) of the moderately implementing career academies have demographically similar students across their academies.

“Low Implementing” Career Academies (n=10)

Low implementing schools are defined as those having few structures or requirements in place and having little autonomy over their operations. Ten career academies fit this category. These programs have not implemented common planning time, and none has autonomy over at least four SLC program policies. Few report control of decisions concerning operating procedures and instructional leadership teams, and almost no schools report making exclusive decisions about student discipline policy or operating budget. They are also more likely than higher implementing career academies to have racial imbalances among students; only two of the eight schools with available data have enrollments in career academies that mirror the racial distribution of the school as a whole.

Although eight of the ten schools have implemented career-related graduation requirements, the requirements are for course taking, not for service learning or cooperative work experiences. Furthermore, although eight schools offer students work-based learning opportunities, the opportunities are less intensive than those offered by high implementing career academies. The schools that do offer work-based learning opportunities for their students are more likely to provide job shadowing, for example, than service learning projects and apprenticeships. Seven schools have increased the number of integrated (e.g., academic and vocational) courses or courses related to the SLC theme.

Unlike the high and moderately implementing career academies, students in the low implementing schools are less likely to take most of their courses within the academy structure. On average, students take 41 percent of their course load within the career academy.

In the following vignette, we present a description of a high-implementing career academy program, focusing on the interrelationships among the structures, content, and requirements in action in a well-implemented program.

A Well-Implemented Career Academy

One case study school implementing a career academy is located in a rural area of a southern state and serves a student population of 1,300; approximately 30 percent of students are white, and about 70 percent are black. The school has adopted the Talent Development High School model, developed by Johns Hopkins University, and has implemented both a freshman and career academy program.

The school has divided the upper grades into three pathways: Fine Arts, Industrial Technology, and Humanities; Business, Hospitality, and Finance; and Health, Engineering, and Consumer Science. Students self-select into pathway groups at the end of the ninth grade; students take their core courses within their pathway, leaving for courses that the school has found harder to schedule (e.g., courses that have only one section). The school underwent a spatial reorganization to create a distinct hallway for each pathway—allowing all students from a particular pathway to take all classes in that space. The administration has been designing activities for students to do by pathway; once a month students have an extended homeroom period, a time set aside for pathway-specific activities (e.g., career-related advising). Teachers have also been grouped into study group teams by pathway, and they meet three times a month. One teacher from each study group meets monthly with the Instructional Council—an administrative structure that makes key decisions in the school. In addition, teachers also meet by pathway once a month to discuss pathway-wide issues, as well as particular student issues.

At present, the school is wrestling with how to make progress on career infusion into the curriculum within each pathway. According to one respondent, “Teachers are still teaching in a traditional way even if their pathway is ‘pure’.” The school’s goals include career infusion in core academic classes and the further development of career elective classes. For example, the administration would like to turn the portfolio project that students do in English 4 into a project that reflects their career interests and pathway choice. The school also hopes to use extensive professional development for teachers and other staff as a strategy to infuse career-specific curriculum into existing classes. Specific to work-based learning opportunities, the school has continued to develop specific business partnerships for its academy groups. For example, the nursing and welding academies have partnerships with local hospitals and businesses, offering students the opportunity for an internship. The school has also developed an articulation agreement with a local technical college to support its welding program; students can complete a trade certificate in welding by high school graduation. Although some of these opportunities pre-dated the start of the pathway program, the school is continuing to build internship opportunities, with the goal of having internship opportunities aligned with each academy.

The next section of this chapter analyzes implementation in freshman academy program, using both PIS data and descriptive data on individual program features of freshman academy programs from our case studies.

Key Features of Freshman Academy Implementation

This section describes the extent to which freshman academies have created:

- Common planning time for teachers;
- At least some separate identity from the rest of the high school; and
- Enrollments that reflect the demographics of the overall student body.

We used data from the 2003 PIS to analyze freshman academy implementation of these critical features. For this analysis, Exhibit 4.13 displays the various survey items and the number of schools responding to each item.

Exhibit 4.13

PIS Variables Describing Key Features of Freshman Academy Implementation

Measures of Common Planning Time

Teachers have common planning time for freshman academy program activities ($n=58$)
Teachers have common planning time once per week or more ($n=58$)

Measures of Freshman Academy Separateness

Percent of course load taken within the freshman academy ($n=57$)
Percent of school day spent in freshman academy area ($n=56$)
All courses are taken within the academy ($n=58$)
Freshman academy has some separate instructional areas ($n=58$)
Freshman academy has autonomy over its:
 Budget ($n=56$)
 Staff ($n=56$)
 Instructional leadership teams ($n=56$)
 Operating procedures ($n=55$)
 Discipline policies ($n=57$)
Freshman academy has sole decision making power or shares decision-making power with school regarding:
 Course offerings ($n=58$)
 Selection of instructional materials ($n=57$)
 Assignment of students to teachers ($n=58$)
 Daily/weekly schedule ($n=58$)
 Academy organization ($n=58$)
 Budget allocation ($n=56$)
 Hiring for academy positions ($n=57$)

Measures of Student Demographics

Freshman academy does not have statistically significant differences between each academy and the freshman class as a whole regarding students' demographic characteristics
 Race ($n=32$)
 Gender ($n=33$)
 LEP status ($n=20$)

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

Common Planning Time in Freshman Academies

A hallmark of freshman academies is the organization of students among teams of teachers, with common planning time provided so that teachers can discuss and resolve various student issues. Within over three-quarters of freshman academy programs, teachers have common planning time to discuss the students they share. Almost two-thirds of freshman academies also allow teachers to meet at least weekly (Exhibit 4.14).

Exhibit 4.14

Percentage of Schools With Freshman Academies Reporting Common Planning Time and the Frequency of Its Use ($n=58$)

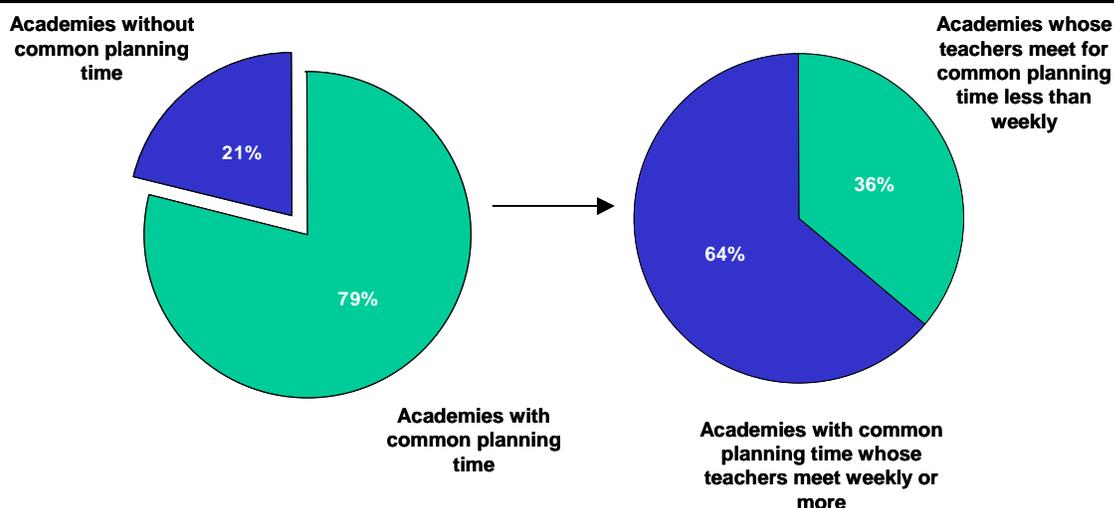


Exhibit reads: (Left-hand chart) During the 2002–03 school year, 79 percent of schools with freshman academy programs provided common planning time for program activities. (Right-hand chart) In 74 percent of academy programs with common planning time, teachers met at least weekly.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Question 9: “During the 2002–03 school year, did teachers have common planning time for freshman academy program activities?” AND Question 9a: “If yes, about how often did teachers in your school participate in common planning time related to the freshman academy program?”

The case studies provided information about the central role that teacher teams play in the implementation of freshman academy programs. Eight out of the ten freshman academy programs visited employed (or were trying to implement) a teaming structure. These teams are typically comprised of one teacher from each of the four “core” subject areas (i.e., English, math, social studies and science), and share the same students. In most schools implementing teaming, the teacher teams are a sub-structure within the academy group. Within the team, teachers are afforded the opportunity to communicate regularly about the performance and behavior of students that they share, as well as consult with a larger group of colleagues who are grappling with similar instructional and classroom management issues. These opportunities for regular communication among team members have been

expanded through the existence of common planning time. Most schools have also attempted to cluster teacher teams in the same space, easing the transition for ninth-graders from middle school to a larger school campus by reinforcing the “smallness” of the group of individuals whom they see on a daily basis. Some teacher teams have been able to design and implement interdisciplinary activities with other team members, but this has been a relatively rare curriculum change.

Six of the schools visited (all with teacher teams) are utilizing common planning time to discuss individual students’ learning needs, interdisciplinary units, new curriculum, and effective teaching practices. Anecdotal evidence from our site visits indicates that sharing knowledge about the individual students made teachers aware of the students’ strengths and special traits. Students concurred; many students in the focus groups said they felt teachers in the team knew them better, understood them, or believed in them as a result of the enhanced communication among teachers.

Teams That Care

In one SLC school implementing a freshman academy, four teachers from the “core four” academic subjects team together and share students in two to three of their four classes. They meet during common planning time twice weekly to plan lessons together (including cross-disciplinary applications and tie-ins) and to discuss the needs of individual students. They also meet weekly with the four other teachers in the academy group and the associated elective, special programs, and ESOL teachers to discuss academy-wide issues and plan joint community events. Teachers of ninth-grade students will “loop” with those students and teach them in the 10th grade as well, providing continuity of care. In addition, each student is assigned to an advisor (for their extended homeroom period) who will work with him or her throughout the four years of high school. Teachers have flexibility to design the advisory period curriculum as they wish, tailoring it to the needs of the students. Students told us that they notice the difference that structures like these make in teachers’ ability to monitor them. In a focus group, one student told us, “Last year, I was goofin’ off, and I flunked my final and two classes. They [the team of teachers in her academy] gave me the opportunity to attend summer school without paying. The teachers stayed after the end of the year for two weeks to help us, and then we re-took our finals.” Another chimed in, “We journal every day. Everybody’s good at that. I failed all four quarters last year, but [the teacher stuck with her, told her she had potential], and this year, I’m doing better—I got all As and Bs on my last report card!” Beaming with pride, she produced her report card from a bag with a flourish, and the group dissolved into friendly laughter. The school is characterized by this friendly climate in which all students are expected to succeed academically and socially with each other’s help.

Separate Identity for Freshman Academies

Freshman academies, like career academies, have also attempted to create a separate identity for their academies, typically by establishing separate physical space for the program. Nearly all freshman academies (90 percent) have a separate instructional area, and have crafted schedules so that students take the majority of their courses within the academy (Exhibit 4.15). Over one-quarter of freshman academy programs (29 percent) have been able to schedule all of their 9th-grade students’ courses within the freshman academy. In addition, on average, ninth-grade students take nearly three-quarters of their courses (73 percent) within the freshman academy (students in career academies take, on average, 62 percent of their courses within a career academy). Nearly one-quarter (24 percent) of freshman academies have created separate (or somewhat separate) instructional space and have

crafted a schedule that allows ninth-grade students to take all of their courses within the academy structure (Exhibit 4.15).

Exhibit 4.15**Percentage of Schools With Freshman Academies Reporting Separate Features for Academy Program (n=57)**

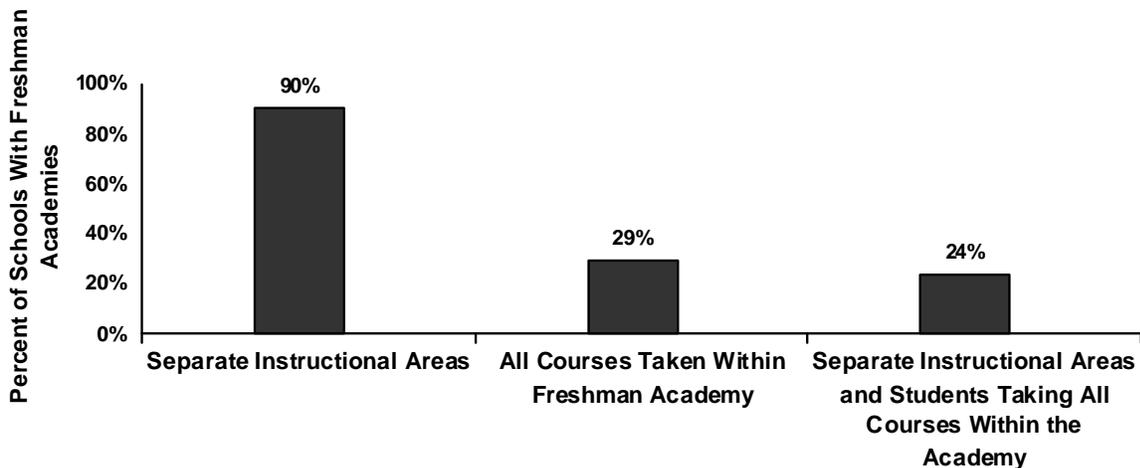


Exhibit reads: During the 2002–03 school year, 90 percent of schools with freshman academy programs reported a separate instructional area for the academy.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Question 11: “In 2002–03, was there a separate physical space for students in the freshman academy program at your school?” AND Question 11a: What percentage of students’ courseload, on average, was taken within the freshman academy?”

Autonomy for Freshman Academy Programs

As a strategy for greater program autonomy, freshman academies have gained a significant level of control over program policies. Freshman academies are likely to have autonomy over the creation of instructional leadership teams and other staffing issues. Fewer schools, however, have autonomy over decisions related to operating procedures, discipline policies, and the program’s budget (Exhibit 4.16). Fifteen percent of freshman academies report autonomy over all program features. An additional 27 percent of academy programs have gained autonomy over four program policies. Academy programs are less likely to have gained autonomy over their budgets than other program features. An additional 20 percent of freshman academies have gained autonomy over instructional leadership teams, staff, operating procedures, and discipline policies.

Exhibit 4.16**Percentage of Schools With Freshman Academies Reporting Autonomy Over Program Features (*n*=55)**

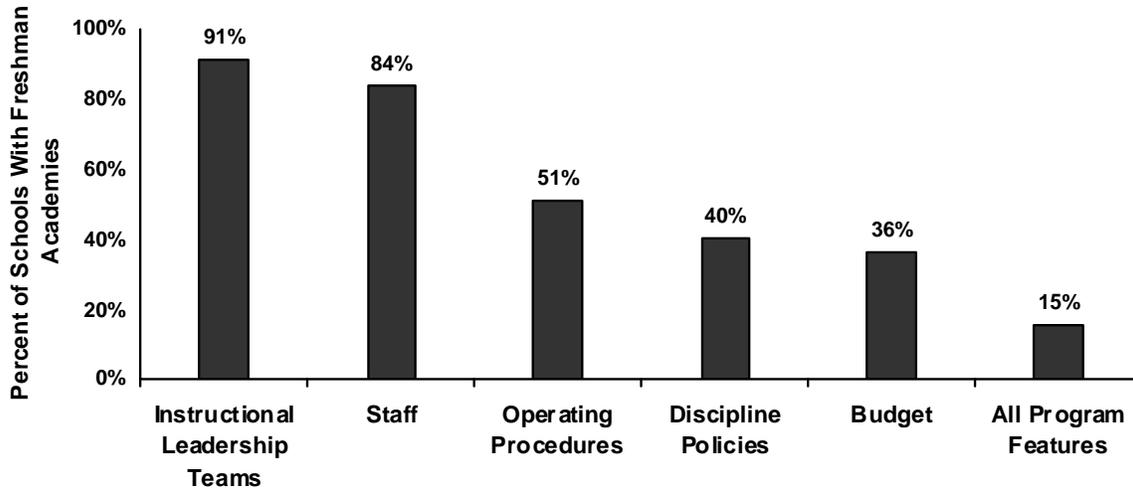


Exhibit reads: During the 2002–03 school year, 91 percent of schools with freshman academy programs had autonomy over the program’s instructional leadership teams.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Question 8: “Does your school’s freshman academy program have its own: budget, staff, instructional leadership teams, operating procedures, discipline policies?”

Freshman academies are most likely to have exclusive or shared decision-making with the school on academy organization, budget allocation, and the daily or weekly schedule. At least half the academy programs reported having a decision-making role in those areas. Fewer academies have sole or collaborative decision-making processes concerning assignment of students to teachers, the selection of instructional materials, and hiring of teachers. Freshman academies are least likely to have a significant decision-making voice over course offering decisions (Exhibit 4.17). Thirteen percent of academies have sole or shared decision-making power over all of the program policies that we tracked. Twenty-nine percent of freshman academies make sole or shared decisions over four of these program policies. These schools are most likely to make exclusive or shared decisions concerning instructional materials, academy organization, and allocation of spending within the programs’ budgets.

Exhibit 4.17**Percentage of Schools With Freshman Academies Reporting Sole or Shared Decision-Making Power With School ($n=57$)**

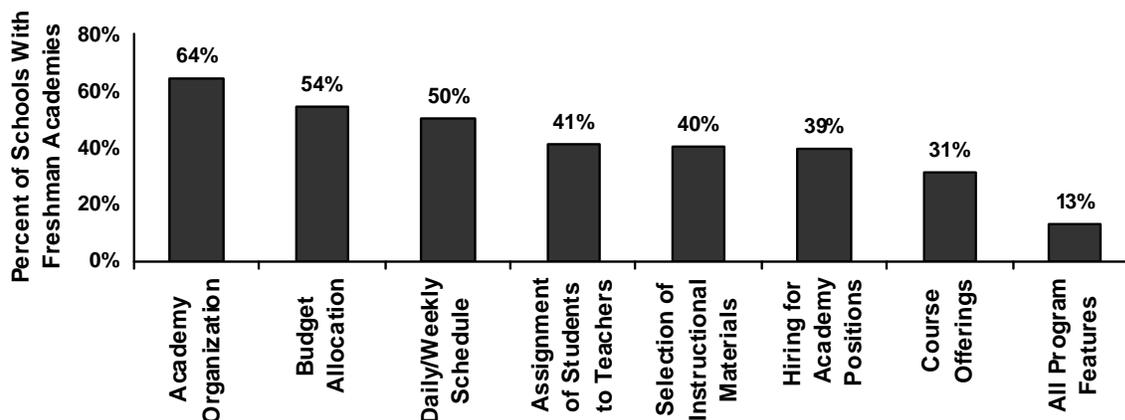


Exhibit reads: During the 2002–03 school year, 64 percent of schools with freshman academy programs had sole or shared decision-making power with the school regarding academy organization.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Question 16: “For each of the following, at which level were decisions made during 2002–03?”

Demographics of Student Enrollment

Previous research and the SLC program are both concerned with the placement of students in less academically rigorous programs. Although no data were available on student ability and we were unable to distinguish student placement from student selection, we were able to compare enrollments by race, gender, and LEP status in each academy with the freshman class as a whole as a proxy for the degree to which schools were making an effort to achieve the spirit of the law.

These analyses of freshman academies should be seen as exploratory. A substantial proportion of schools did not provide complete demographic data for each of its academies. In addition, a large proportion (15 schools) reported that they had only one freshman academy, and that its enrollment was at least 90 percent (and usually all) of the freshman class. We have excluded these schools from this analysis. Among the 58 schools with freshman academies, we have data by gender on 33 schools, data on race for 32 schools, and data on students with LEP for only 20 schools.

In 76 percent of the schools with freshman academies, the gender composition of each freshman academy program in the school matched the gender composition of the entire freshman class (Exhibit 4.18). Among the ten schools with four separate academies, for example, seven had all four academies mirroring the school as a whole. In just over half (53 percent) of the schools, the racial composition of each freshman academy in the school matched the racial composition of the entire

freshman class. In the 20 schools for which we had LEP enrollment data, ten schools (50 percent of the total) had each freshman academy matching the freshman class as a whole on the proportion of students with LEP.

Exhibit 4.18

Percentage of Schools With Freshman Academies in Which the Demographics of Each Freshman Academy Matched the Demographics of the Entire Freshman Class in Terms of Race, Gender, and LEP

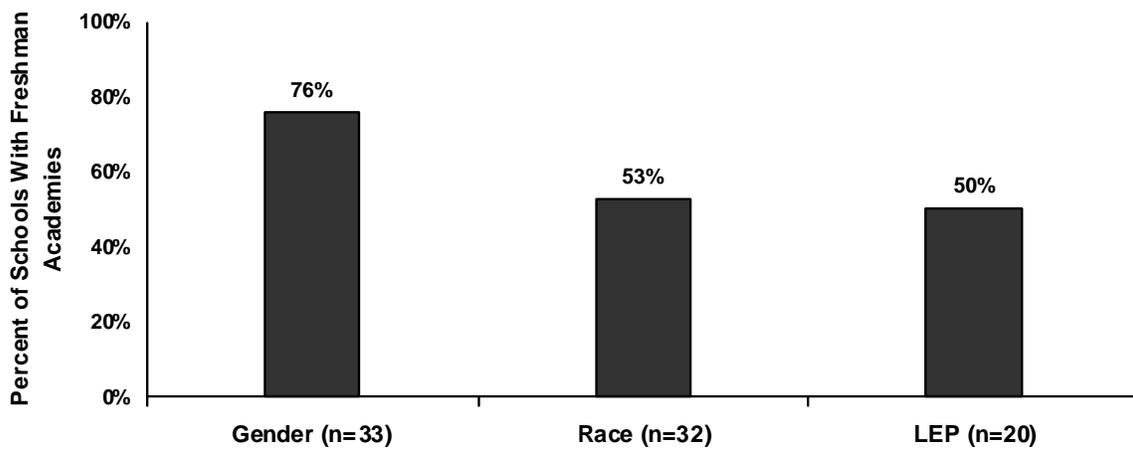


Exhibit reads: During the 2002–03 school year, 76 percent of schools with freshman academy programs had each freshman academy match the gender composition of the entire freshman class.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Question 6: “Below we ask you to describe each of your freshman academy groups. There is space to describe up to four. . . . In section B, please estimate the number of students in each career academy group. In section C, please provide the demographic characteristics of students in each career academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range.” AND Annual Performance Report, School Year 2002–03, Question 2: “School Background, Student Race Categories, 9th Grade.”

Note: The *n* represents the number of schools with freshman academies for which we had data. Fifty-eight schools with freshman academies were in Cohort 1, so there was significant non-response on this item.

Levels of Freshman Academy Implementation

Freshman academies are classified as a type of house plan as defined in the Annual Performance Report:

House plans divide students in a large school into groups of several hundred, either across grade levels or by grade levels. Students take some or all courses with their house members and from their house teachers. House arrangements may be yearlong or multi-year arrangements. House plans personalize the high school experience, but usually have limited effect on curriculum or instruction. Each house usually has its own discipline plan, student government, social activities, and other extracurricular activities, although students may also participate in activities of the larger schools. Grouping ninth-graders into a separate house is one way to ease the freshman transition to high school.

This section of the report addresses the extent to which freshman academies funded under the federal program have implemented all of the key elements described in the federal program guidance.

“High Implementing” Freshman Academies ($n=33$)

Using the available PIS data, one could define a high implementing freshman academy as one that includes the following characteristics:

- At least weekly common planning time for teachers, so that teachers may discuss the needs of students whom they have in common;
- Autonomy over select program policies; and
- Similar enrollments by race across each academy.⁴⁵

Of the 58 schools with freshman academies, 33 meet the first two criteria. They reported common planning time for teachers on at least a weekly basis, and reported autonomy on at least two program policy areas, typically over staff and instructional leadership teams. Just half of the schools providing data, however (that is, 11 of 22), have created racially mixed groupings within their freshman academies that match the freshman class as a whole. Note that we did not include a separate identity as a criterion for freshman academies because virtually all freshman academies have created at least some separate identity. Exhibit 4.19 summarizes the data on levels of implementation for schools with freshman academies.

⁴⁵ We limited the comparison to enrollment by race because differences were more likely to be found by racial groupings.

Exhibit 4.19**Number of Schools With Freshman Academies, by Levels of Implementation and Defining Characteristics ($n=58$)**

Schools With Freshman Academies	Teachers Have Common Planning Time at Least Weekly	Autonomy Over at Least Four SLC Program Policies	Similar Enrollments by Race Across Freshman Academies
High implementing ($n=33$)	All	All	11 of 22 (schools reporting data)
Moderately implementing ($n=13$)	9 of 13	3 of 13	5 of 8 (schools reporting data)
Low implementing ($n=12$)	None	3 of 12	NA (only two schools reported data)

Exhibit reads: In all high implementing freshman academy programs, teachers have common planning time at least weekly, but weekly common planning time is found in only 70 percent of the moderately implementing freshman academies and in none of the low implementing freshman academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Freshman Academy Module, Questions 6, 8, 9, 9a, and 11.

“Moderately Implementing” Freshman Academies ($n=13$)

Moderately implementing freshman academies are defined as those that have some but not all the features of high implementing career academies. Thirteen freshman academy programs meet these criteria. They have less autonomy over program policies than high implementing freshman academy programs, and fewer of them have common planning time for teachers as often as high implementing schools. Like high implementing schools, just over half of these schools (five of eight) have been able to create racially mixed freshman academies that mirror the freshman class as a whole.

“Low Implementing” Freshman Academies ($n=12$)

The remaining 12 schools in the freshman academy sample have more limited implementation. None of these freshman academy programs have implemented common planning time. In addition, all schools report that the freshman academies have limited autonomy over school-level program policy decisions. Academies with low levels of implementation also report more program decisions made without their involvement; instead, decisions are made either by the school or district, or a combination of the two. Regarding enrollment by race, six of the eight schools providing data defined their one freshman academy as the entire freshman class, so we did not include them in the analysis. Too few schools remained to complete this analysis by race.

In the following vignette, we present a full description of a well-implemented freshman academy program. This example provides information concerning the interrelated nature of program components.

A Well-Implemented Freshman Academy

This freshman academy program is in a school located in a mixed urban and suburban neighborhood in a Western city. The school has designed its freshman academy program to include block scheduling, flex scheduling, and a total of five teacher teams. The freshman academy has its own space in a separate building, which it has renovated. The school initially faced scheduling dilemmas; to ameliorate the situation, the school instituted flex days—teachers spend one day teaching only three classes and getting professional development, and then teach a double period another day. This afforded the opportunity to create teacher teams that meet twice a week for a common prep period and a period used for curriculum development issues and student management issues.

The teacher teams that the school has created are made up of English, math, science, and health or geography; they share common planning time to work on curriculum and monitor student progress. Students have been grouped into academies so as to spread both gifted and special education students across the teams; special education, ELL, and classes for gifted students are all offered within freshman academy groups. Although the school has been able to integrate specific groups of students with special needs into the academy structure, the administration is still working to create more “cross-fertilization” among teams—to create a successful academy experience for all students.

Career Academies and Freshman Academies: Variation in Program Features

A greater percentage of career academies than freshman academies report exclusive—or shared—decision-making control over SLC program policies, whereas freshman academies are more likely to have students taking all their classes within the academy structure, and are more likely to provide common planning time—and more frequent common planning time—for faculty.

Decision-Making in Career and Freshman Academies

Career and freshman academies exert sole or shared decision-making capabilities over different aspects of program policy. A much greater percentage of schools with career academy programs report the academy’s ability to make decisions about the selection of the program’s instructional materials, budget allocation, assignment of students to teachers, and course offerings. Schools with career academies are also more likely than freshman academies to exert decision-making power over the hiring process for academy positions. These data reinforce the perspective that as career academy programs need to implement a greater number of customized program features (e.g., a separate substantive identity for students and teachers in academy groups), these programs may choose to do so through exercising a greater degree of decision-making capability over SLC-level program decisions. Similar numbers of career and freshman academies report decision-making control over academy organization and the program’s daily or weekly schedule (Exhibit 4.20).

Exhibit 4.20**Percentage of Schools With Career or Freshman Academies Reporting Sole or Shared Decision-Making Power With School**

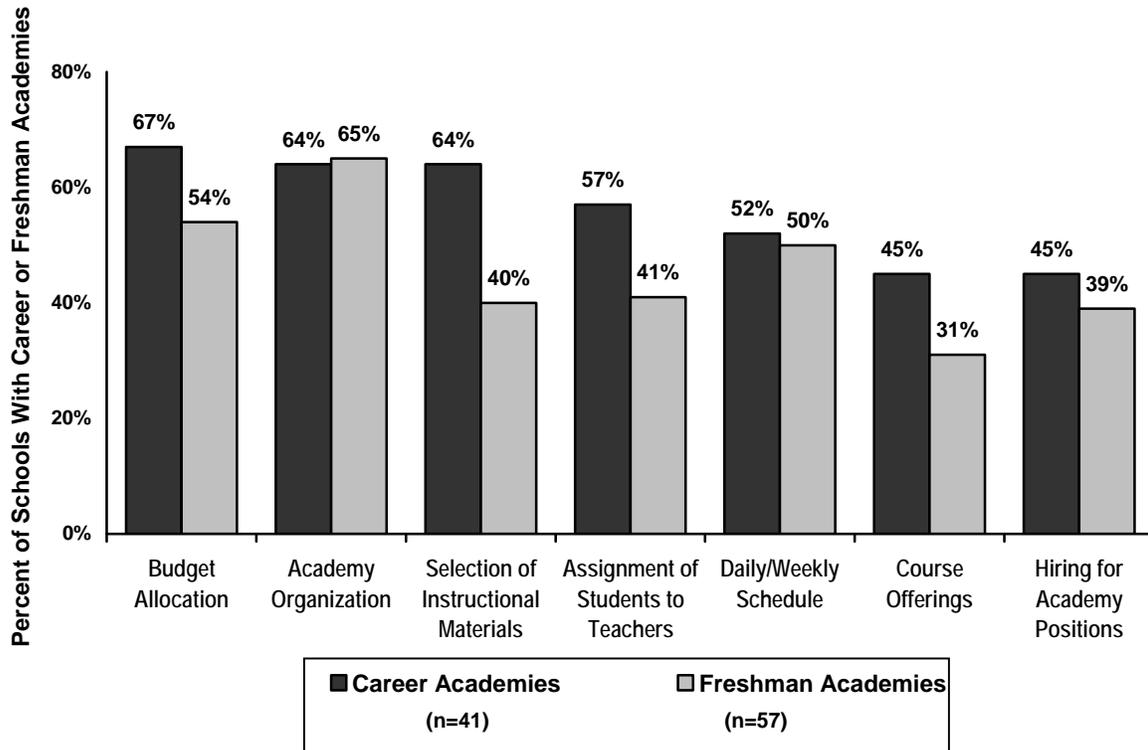


Exhibit reads: During the 2002–03 school year, 67 percent of schools with career academy programs and 54 percent of schools with freshman academy programs had sole or shared decision-making power with the school regarding budget allocation.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 18: “For each of the following, at which level were decisions made during 2002–03?” AND Freshman Academy Module, Question 16: “For each of the following, at which level were decisions made during 2002–03?”

Separate Identity in Career and Freshman Academies

A high percentage of schools implementing either career or freshman academies, or both, have created separate instructional spaces for their academy programs (Exhibit 4.21). Freshman academies, however, have been able to craft school schedules that have allowed students to take all of their courses within the academy structure at double the rate of career academies making the same change. In addition, students in freshman academies take a higher percentage (73 percent) of their courseload within the academy structure than do students in career academies (62 percent). This may represent an important difference in career and freshman academy implementation. As schools implementing either a freshman or career academy have been able to establish a separate physical space for their program, career academies, seemingly, have had a greater difficulty in scheduling students for courses within the academy structure. This relatively low rate of student course load taken within career academies may reflect a conscious choice for schools implementing career

academy programs. For example, many school respondents for site visit interviews related that the career academy structure reflected the opportunity for students to select among electives. The academy groups were not designed for students to take their core academic courses within these structures.

Exhibit 4.21

Percentage of Schools With Career or Freshman Academies Reporting Separate Features for Academy Program

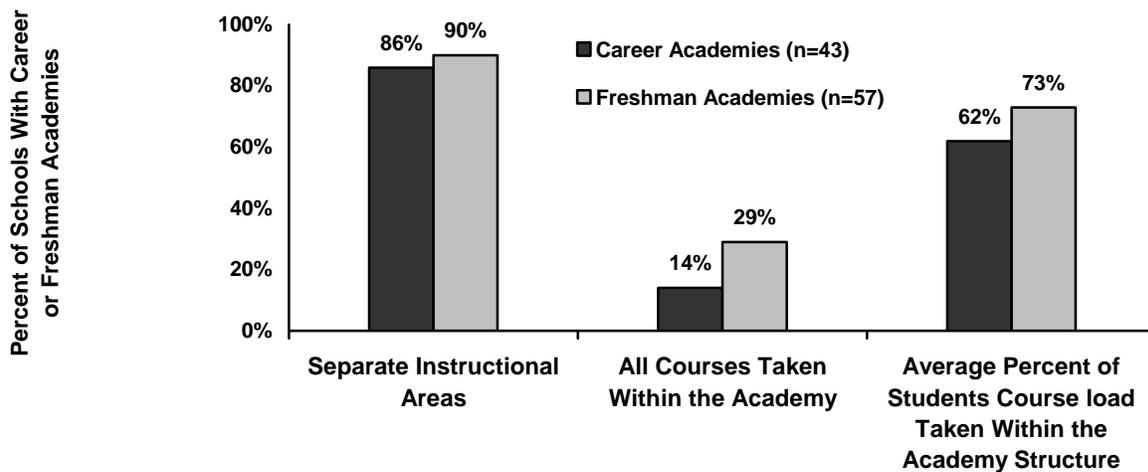


Exhibit reads: During the 2002–03 school year, 86 percent of schools with career academy programs and 90 percent of schools with freshman academy programs reported a separate instructional space for the academy.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 10: “In 2002–03, was there a separate physical space set aside for students in the career academy program at your school?” AND Question 8: “In 2002–03, was there a separate physical space for students in the freshman academy program at your school?”

Common Planning Time

Schools implementing a career or freshman academy often offer teachers common planning time (Exhibit 4.22). There has been a marked difference, however, in how often teachers in each type of academy meet together. As noted below, only 29 percent of schools whose career academies have common planning time report that teachers meet weekly or more. Sixty-four percent of schools whose freshman academies have common planning time, however, report that teachers meet weekly or more. Clearly, common planning time—and the rate at which it is used—among teachers in freshman academy programs is a central feature of implementation. Freshman academy programs have been designed to support freshman in the transition to secondary school, and to reinforce the feeling of a supportive (and often “smaller”) school environment. Regular teacher interaction—often about a group of students that they share—has been the mechanism by which this support has been created at the ninth-grade level.

Exhibit 4.22**Percentage of Schools With Career or Freshman Academies Reporting Common Planning Time and the Frequency of Its Use**

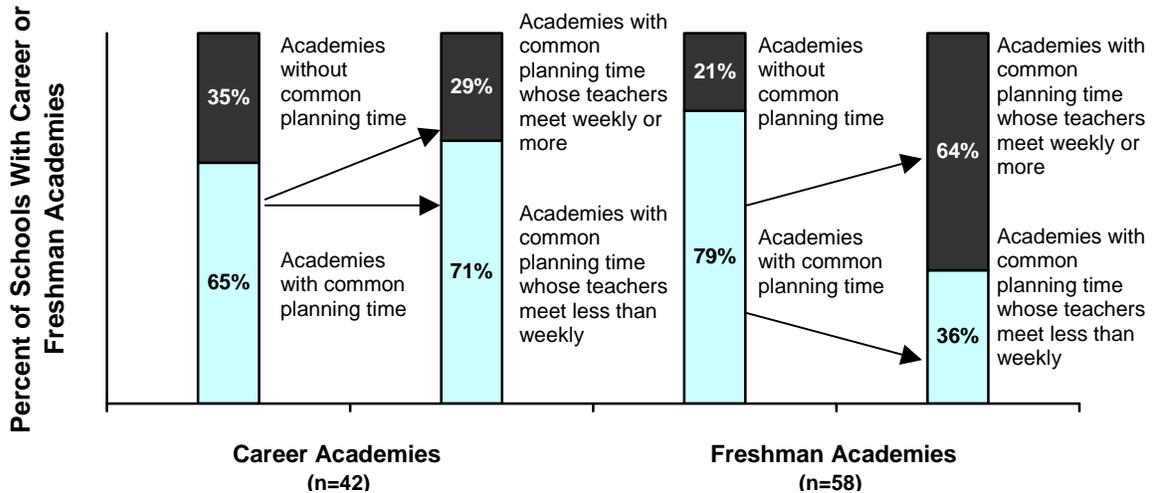


Exhibit reads: During the 2002–03 school year, 65 percent of schools with career academy programs and 79 percent of schools with freshman academy programs provided common planning time for program activities. Of those with common planning time, 29 percent of schools with career academies reported their teachers met at least weekly compared to 64 percent of schools with freshman academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Career Academy Module, Question 11: “During the 2002–03 school year, did teachers have common planning time for career academy program activities?” AND Question 9: “During the 2002–03 school year, did teachers have common planning time for freshman academy program activities?”

The next section of this chapter discusses the factors—both facilitating and inhibiting—that affect implementation in both freshman and career academies.

Factors Affecting the Implementation of Career and Freshman Academies

This section on critical factors in the implementation of academies is based upon site visits to 18 schools (ten with freshman academies and eight with career academies) conducted during fall or winter 2002 and follow-up interviews completed during February 2004. Although the number of schools visited was small, a common set of factors has emerged that have facilitated implementation of career and freshman academies in SLC schools, including strong school leadership, a supportive district, staff buy-in, and sufficient space to make programs separate. Identified challenges to implementation include staff (and administrative) turnover, weak school leadership, prescriptive district oversight of SLC changes, and limited resources. The factors influencing implementation mirror those we found in the literature review completed for this study. For example, Dynarski *et al.* (1998) found that school restructuring is most successful when it is consistent with and supports a

district's desire to change. McQuillan and Muncey (1991) wrote about the importance of staff buy-in for successful implementation and the negative consequences of faculty divisiveness.

Many of these factors have remained paramount in schools' implementation processes throughout the SLC grant period. The factors discussed below from case study data are similar to those detailed in Chapter 3, although the PIS survey data relate to SLC implementation at the school level, not to implementation of individual SLC structures. There is one major difference. For example, school leadership did not emerge as a factor in implementation survey data, because the principal (as the key respondent to the PIS) was not asked to critique his or her own influence. School leadership, however, consistently emerged as a critical factor from case study data.

Reform Leadership at the School Level

Strong school leadership appears to be important for a successful implementation process in both career and freshman academies. During the initial case study visits, 14 of the 18 schools identified school leadership as a major facilitating factor in restructuring. When conducting follow-up interviews with schools, eight of the 18 schools reported that a strong school leader remains a major facilitator for the school's implementation process. Leadership at the school level is often able to facilitate high levels of staff buy-in for reforms and is able to "make SLC changes happen." One school respondent described the school principal's leadership style: "She empowers teachers and allows them to take risks.... there is substantial ownership on the part of a growing number of teachers." A respondent at another school noted that their principal "has created a great niche for the program, facilitating the extra meetings that are needed." School leadership does not exclusively rest in the role of school principal. Rather, three schools reported that having a full-time SLC director responsible for the implementation process has been a major facilitator in the SLC implementation process.

A Leader Among Peers

One district superintendent told us, "Without her [the school principal], we would not be here." This principal of a career academy program school led the reform movement by establishing teacher buy-in first. She developed a critical mass of support among her faculty by holding weekly meetings about how to develop a career academy structure before applying for the grant, and has continued with the weekly meetings as implementation has progressed. As could be expected, she credits the work of her colleagues, "No fewer than 35 staff members (out of a total faculty of 87) have been at every meeting held to discuss these changes." Teachers recognize the collaborative process, having been given the opportunity to provide continuous feedback on the change process. In addition, teachers were encouraged to conduct site visits with other schools developing career academy programs to understand the school-level structural changes that are needed in implementation. As a by-product, teachers report feeling less isolated, and report being in contact with a greater number of colleagues than before. The principal has been identified by the superintendent and the intermediary agency that helped the high school acquire the federal SLC funds as the main driver of reforms at the school. Now parents and the local community have added their support as the SLC program continues to grow and even receives coverage from the local media.

Staff Buy-In

Strong school leadership and the high levels of staff buy-in for school change are consistently linked in our case study findings.⁴⁶ In all six of the schools with career academies and seven of the eight schools with freshman academies that were characterized by strong school leadership, high levels of staff buy-in were also present.

Staff buy-in has played a key role in a school's ability to implement changes, as teachers have become responsible for new roles in restructured schools (e.g., teaming partners, collaborators for curriculum reform, student advisors). Overall, nine of the case study schools—both freshman and career academies—reported high levels of staff buy-in for their implementation process. The follow-up telephone interviews yielded parallel findings. There remains a high level of staff buy-in in five out of the eight schools where their implementation process is still characterized by strong school leadership. In addition, respondents from all three of the high schools that have restructured into small schools report high levels of staff buy-in as a major facilitator in the conversion to small schools.

There is a higher degree of staff buy-in for change in freshman academy programs than in career academy programs. Respondents at six out of the ten freshman academy programs report a high level of staff buy-in for the SLC program, compared to three of eight career academy programs. For many schools, the reforms required to implement a career academy have been more complex than those changes needed for freshman academy programs, thus making teachers more hesitant to support changes. In addition, schools have been more likely to see more immediate changes in desired outcomes (e.g., student behavior) with the implementation of a freshman academy. For example, one school implementing both a freshman and career academy program had an easier time in recruiting teachers to remain on a freshman academy team than maintaining teachers within particular career academy groups. Ninth-grade teachers reported anecdotal evidence of improved freshman behavior and an increased focus on academics after just a year of freshman academy implementation. This early success made teachers more willing to work toward continued SLC changes within the freshman academy program, as the model seemed to have immediate benefits for the school.

The absence of school-level leadership and the lack of staff buy-in have impeded implementation in several case study schools. At one school whose implementation process has been previously characterized by weak school leadership and a lack of buy-in, administrators have had to “cajole” teachers into taking on additional responsibility or new roles that have been created by the SLC model. In fact, according to the new principal, there is a small group of teachers that would like to dismantle the SLC changes that have already been made. In his words, “There is a small but determined group of teachers that still operates like it is 1975.”

District Leadership for SLC Changes

The district role in school-level SLC implementation has varied along two dimensions: the intensity of involvement and the amount of direction given to schools.

More than half of the 18 schools in the case study sample reported receiving support from their districts throughout their SLC implementation process. The kind of support that districts have offered

⁴⁶ These schools in their PIS survey responses also noted the important roll of staff buy-in.

schools, however, represents an important difference. In five of these schools, the district has played an active and supportive role in the implementation process. Some district staff, for example, facilitated staff meetings to implement change. Another district conducted technical assistance with schools to produce school-specific recommendations for continued implementation progress. In schools where the district office has been an active and supportive player in the SLC reform process, the district is seen as a facilitator. Other districts, although still verbally supportive of SLC reforms, have not been as involved. For example, several districts have only been responsible for approving SLC expenditures or reform plans. Respondents from schools in these districts viewed their autonomy as a mixed blessing.

Three schools in the case study sample characterize their reform process as being actively prescribed by the district office. All three schools have experienced difficulty in getting and maintaining school staff buy-in. In one of these schools, the district has continued to mandate changes to the school's SLC plan. Most recently, in response to district directives, the school changed its freshman academy and vertical house plan (with four houses) into six career academies with themes. Staff buy-in had to be secured for each set of changes that the district required. Even in schools where there is a convergence between district and school designs for SLC reform, a prescriptive district's activities were described as "annoying." The prescriptive role of the district often made school administrators and staff feel that they no longer had a substantial voice in reform, and therefore were less likely to support SLC changes. The example below elaborates on school responses to a prescriptive district policy.

One Size Fits All?

One school district approved a commercially developed comprehensive reform plan in 1996, formally adopting it a year later. The plan called for implementation of the reform model to be phased in "wall-to-wall" within schools (i.e., whole-school), cluster-by-cluster, districtwide, beginning with the cluster that contained the poorest and worst-off schools. The plan for phasing-in implementation included an initial planning year prior to the first year of implementation in each cluster. Although the model itself included many sound features (e.g., providing "continuity of care" through looping, and increasing personalization by developing career academy-like structures called themed houses), staff and administration at the two schools we visited felt they had been excluded from the decision-making process and that the model itself was too much like a "cookie cutter" plan, that their schools' individual contexts and characteristics demanded adaptations that the district would not permit. At one of the two schools, teachers felt that the reform plan was just the latest in several rounds of district-initiated reforms. This perpetuated the lack of buy-in for the district's reforms; teachers seemed to have a "this too shall pass" attitude about restructuring. The other SLC school visited in the district illustrated the other side of the same problem. Through a collaborative process, this school's principal and staff made thoughtful choices about which components of the district's restructuring plan worked best for the school. Teachers and administrators expressed anxiety that the district would crush the school's own initiative and expertise by requiring them to implement all aspects of the model, when the school was already working through its own solutions. In both schools, the process was frustrating for the administrators and teaching staff alike as they struggled to keep up with mandates that seemed arbitrary.

The Role of Professional Development

The case study visits show professional development as a critical factor in the SLC implementation process in several sites. Respondents from six of the 18 case study schools reported that professional development played a vital role in the development of SLCs. The professional development programs of these schools shared a number of characteristics. Professional development offerings were typically comprised of topics directly related to a school's SLC program. For example, schools were likely to provide teachers and other staff with information about why they had chosen to implement SLCs, as well as more specific content related to classroom-level implementation. Common topics offered included teaming and team-building, interdisciplinary curriculum, and developing learning communities within a school. Professional development was conducted over a sustained period of time (e.g., the professional development program was carried out over the course of one academic year). Schools were also likely to send teachers and other staff on site visits to schools implementing SLC programs to learn about how to make SLC changes to their school.

In those schools in which professional development was not a major facilitator to SLC program implementation, the school-level professional development offerings were less likely to be sustained over time, and professional development topics were less likely to be SLC-specific. Seven schools reported that professional development did not meet the needs of SLC program implementation. For example, respondents in these schools often reported that professional development opportunities were great in number during initial implementation of the SLC program (e.g., a weeklong planning and professional development session prior to their planning and first implementation years) but did not continue throughout the academic year. In many cases, teachers reported that professional development was not specific enough to the classroom-level implementation of SLCs to be useful. In addition, school respondents commented that professional development offerings were insufficient to encompass the number of SLC issues about which teachers needed to be trained. Schools whose respondents found relatively little value in the professional development offerings were often characterized by other inhibiting factors, such as limited (or no) teacher buy-in. In addition, these schools often did not build a professional development plan to align with SLC implementation.

Graduation Requirements and State Assessments

The graduation requirements facing most high school students typically come in two forms—a certain number or sequence of courses to be completed and an externally mandated assessment. For most case study schools, graduation course requirements have remained unchanged throughout school reorganization (as these are often district- or state-created). When the school is divided into smaller student population units without changing graduation course requirements, the school must provide students with access to all core academic courses. This usually leaves schools with two imperfect choices: schools must either offer required courses in each academy (a hardship given staffing shortages, discussed below) or allow students to enroll in required courses across academies, abandoning the goal of academy “purity” (i.e., the extent to which class sections are comprised of students from the same academy, and teaming teachers, share the same students). In addition, themed academies must provide applied or modified courses to reflect the theme, necessitating a greater variety of courses even if the total number of courses offered remains unchanged. Therefore, many schools are struggling with curriculum revisions and how to differentiate academies from each other, especially in light of mandated graduation requirements.

While course requirements have remained unchanged in most case study schools, externally mandated student assessments were reported to have inhibited implementation in five of the 18 case study schools (four with career academies and one with freshman academies). The five schools were all “moderately implementing” and were trying to be responsive to state testing requirements and their own efforts to more fully implement their programs. In one school with career academies, developing career infusion modules for core academic courses and career elective classes was delayed to give students more time to prepare for the state-level test. Although passing the test was not required for graduation, the results were used to determine the school’s AYP status so was cited as very important to school staff. In a second school with career academies, field trips and job shadowing (and other examples of “real life experiences” for students) were cancelled to provide students with more test preparation time. School respondents noted that they had taken these actions because the state each year raised the cut-off score for passing this test, required for high school graduation.

Managing Limited Resources

School Staffing Needs

Several case study schools have experienced staffing shortages, both at the school and district levels. One school with very critical staffing shortages resorted to hiring long-term substitute teachers. The implementation of an academy program can exacerbate these schools’ needs for staff. Simply put, dividing the students into smaller groups increases the number of classes to be staffed. For example, one case study school admitted that finding certified core teachers to assign to each career academy group was a near impossibility.

Space

For many schools, creating a separate identity for each academy is an integral part of their restructuring plan. A distinct physical space aids in crafting a separate and cohesive identity for its SLC program and academies. For career academy programs, the specialization into academy themes creates the need for specialized equipment and space (e.g., media production facilities, darkrooms, science labs, and weather stations, etc.). Given the limited resources and the other needs in restructuring, these expenditures can be among the last that a school finances, making curricular changes more difficult.

Three case study schools report that the physical structure of the school building was seen as a major facilitator in the creation of freshman academies. The hub-and-spokes design of one building allowed for a well-defined academy space in one of the four spokes, or wings. In the two other schools, a newly completed construction project included a brand new wing devoted to the freshman academy. The ability to provide adequate space for the freshman academy was considered critical in these schools. Most schools, however, due to their size and possible overcrowding, do not have the luxury of affording each SLC subunit its own space.

This chapter has focused on the implementation of career and freshman academies, and on the extent to which program components as described in the federal program legislation have been put in place. We also discussed factors affecting freshman and career academy implementation. The next chapter looks at change in school-level student outcomes over time.

Chapter 5

Changes in Student Outcomes: Analysis of Annual Performance Reports

Introduction

The purpose of this study is to report on the **implementation** of SLCs as supported by federal SLC grant funds, rather than on **outcomes** associated with such school reform efforts. Nevertheless, given the longitudinal data collected through the APR, we are able to report on a broad array of outcomes that SLC programs are intended to improve.⁴⁷

As discussed in Chapter 3, SLC schools provided self-reported data through the APR. Schools first completed the APR during the 2000–01 school year, at which time they also provided retrospective data for school years 1996–97 through 1999–00. APR data were also collected annually for school years 2001–02 and 2002–03. Therefore, the APR provides longitudinal data with which we are able to track trends in academic achievement, school-related behaviors, and the achievement of academic milestones at the school level.

This chapter presents changes in school-level outcomes as reported by Cohort 1 SLC schools for school years 1996–97 through 2002–03, the four years preceding and three years during receipt of federal SLC funds. Our analyses explored a wide range of outcomes, which fall into three major categories:

Academic Achievement:

- Statewide assessments
 - Percentage of students reaching proficiency in reading or language arts
 - Percentage of students reaching proficiency in mathematics
- College entrance exams
 - Percentage of students in grades 11 and 12 taking the SAT
 - Percentage of students in grades 11 and 12 taking the ACT
 - Average SAT score
 - Average ACT score

Achievement of Academic Milestones:

- Promotion rate from ninth grade
- Graduation rate
 - Based on ninth-grade enrollment four years prior of graduating cohort
 - Based on 12th-grade enrollment of graduating cohort

⁴⁷ Although we use the term “outcomes” throughout this chapter, the reader should be reminded that these APR measures were not designed as evaluation outcomes, but rather as measures of student progress over time for program monitoring purposes.

- Percentage of high school students simultaneously enrolling in secondary and college-level courses
- Percentage of graduates intending to enroll in a two- or four-year college

School-Related Behaviors:

- Average daily attendance
- Participation in extracurricular activities
- Incidence of violence
- Incidence of drug use
- Incidence of disciplinary action

Data Requirements

In general, schools were not able to provide complete longitudinal data on all of the variables listed above. Retrospective data (school years 1996–97 through 1999–00) on outcomes such as the percentage of students proficient in either mathematics or reading were especially sparse. Nevertheless, because the goal of this analysis was to examine trends before and after SLC funds were received, schools needed to have at least one pre-SLC grant (i.e., 1996–97 through 1999–00) data point and at least one post-SLC grant (i.e., 2000–01 through 2002–03) data point to be included in the analysis of each outcome. For this reason, the number of schools included in the analyses varies across APR outcomes.

Methodology

The school-level APR outcome data represent aggregate measures across all students in each school. In this section, we outline our approach to modeling school-level APR outcomes using longitudinal growth curve analysis. Our analysis was based on a mixed model approach used to examine change over time in school outcomes at two levels: within school and between school (see Appendix I for further discussion). The analysis consisted of several steps. First, a trend line was estimated for each school, based on the data available for that school. The next step involved looking across these estimates to understand the trend associated with the “average” SLC school. Last, school-level trend lines were compared to explore whether or not there was significant variation among schools in terms of how they were changing over the seven-year data collection period.

Thus, with these analyses we are modeling not only how schools are trending over time but also whether or not there is a shift in trends when schools receive SLC funds. This allows us to examine whether or not there is a “jump” in outcomes after SLC funds are introduced, and whether or not there is a change in the trend line of each outcome over time after SLC funds are introduced.

The mixed model approach, therefore, allows us to answer the following questions:

1. How does each school change over time with respect to each outcome of interest?
2. Is there a difference in school-level performance before and after federal SLC funds were received?
3. Do trajectories of change vary among schools?

These analyses produce two sets of results—an average trend (i.e., fixed effects) and estimates of variation across schools (i.e., random effects). That is, the fixed effects portion of the model estimates a trend over time across schools for the average SLC school, and the random effects portion reveals whether or not there is significant variation among individual schools around the estimated average. Both components contain equally valuable pieces of information. For example, even if an average trend line is flat overall, schools may vary significantly from each other in terms of their individual trend lines. Additional predictors can then be added to the model to examine whether or not this between-school variation is systematically related to features of the SLCs being implemented. Where significant between-school variation was found, we examined whether or not this variation was related to specific SLC structures (i.e., career or freshmen academies) or personalization strategies (as discussed in Chapter 3). The results of these analyses, however, showed that neither SLC structure types nor personalization strategies were significant predictors of variation in average trends for **any** of the outcomes examined in this chapter.

A series of models was examined for each outcome, exploring whether or not a significant trend existed in the pre- or post-funding periods, and whether or not there was a significant “jump”, either positive or negative, between the two periods. “Best” fitting models were selected for each outcome, based on the statistical significance of the fixed and random effects (Appendix I, Exhibit I.1) contains details on the specific parameter estimates generated for each outcome). That is, the model underlying the presentation of each outcome was based on the most parsimonious representation of the shape of each trend line over time. Average trends, or the fixed effects, for each APR outcome are presented graphically in Exhibits 5.1 through 5.17. The emphasis of the discussion for each outcome is on apparent average trends in data over time, as well as any shifts in the data following receipt of SLC funding. Although the data displays focus on the average shifts and trends, we also indicate where significant variation exists among schools in terms of their individual trend lines. In this case, the average values plotted in the exhibits in this chapter do not necessarily represent the range of values among all schools. Appendix I (Exhibit I.2) contains additional information on the range in values for those parameter estimates where statistically significant variation was detected.

Although statistical tests have been conducted on these trends, we first discuss a number of caveats to the data before presenting our results. These caveats are extremely important in interpreting the trends of APR outcomes discussed in this chapter.

Caveats to Interpreting Trends

Data Issues and Measurement Error

As mentioned previously in Chapter 2, the APR is based on self-reported data submitted to ED by each SLC grantee. The first round of APR data collection in fall 2001 provided data for the first implementation year after receiving SLC funds (SY 2000–01) as well as for the preceding four years. Subsequent administrations of the APR covered the most recently completed school year only. Thus, the pre-grant period data based on retrospective data collection may not be as accurate as post-grant data, depending on the data archiving capacity of each school district.

In addition, the fact that the APR outcome data are collected from schools in different districts and states presents some challenges in terms of data comparability. One potential problem is that measures may not be calculated in a uniform manner across schools and districts. For instance, schools may vary in how they define “disciplinary action,” so that counts of the numbers of disciplinary actions may not be comparable across schools. Thus, although specific instructions were

given to each grantee defining how the APR should be filled out, considerable variation exists among grantees in terms of how certain outcomes, such as disciplinary actions, postsecondary attendance or participation in extracurricular activities were interpreted.

A related problem is the comparability of state assessment scores across states. The APR collects school-level measures of students' performance on statewide assessments from schools across a large number of states, such as the number of students scoring at the "proficient" level in reading and language arts. Because many states design their own statewide assessments in response to some predetermined standard of competence, scoring at the "proficient" level has different meanings in different states. This limits our ability to compare performance on statewide tests across states. We can still measure the relative improvement of a school over time, however, assuming the same state tests are used and standards of competence have not changed.

In addition to issues of potential non-comparability among schools, the APR outcome data are also limited in that they are measured at the level of the **school**, rather than the SLC itself. If only a fraction of the students are participating in an SLC program, any outcome data will include participants and nonparticipants alike. Therefore, it may be hard to detect changes in outcomes for SLC structures or strategies that affect just some students, as any such impact would be diluted across a larger number of students with the availability of data only at the school level. For example, many schools only implemented freshman academies as part of their SLC program. As these academies only enroll ninth-grade students, any outcomes measuring student progress will be attenuated by the fact that only a minority of the school's population are affected by the intervention.

Lack of Appropriate Comparison Group

Given the lack of an appropriate comparison group for these data, trends should not necessarily be attributed to the SLC program. Without randomly assigning students to SLC schools coupled with appropriate controls, there is no way of conclusively determining whether observed trends are due to implementation of the SLC or to other alternative explanations (e.g., change in student population, presence of other concurrent reform efforts in schools, etc.).

To facilitate this discussion and provide a general benchmark, however, national comparative data are also presented, when available. These data are provided with several caveats. First, data were obtained from several sources, including the Common Core of Data, other ED-sponsored datasets, and reports from the College Board and other sources, resulting in a lack of comparability. For certain variables, such as promotion rates, school-level values could be computed. In the case of other variables, such as average daily attendance, the only data available were aggregated to the state level. When data were available at the school level, the comparison could in some cases be restricted to include only high schools with grade 9 to 12 enrollments of more than 1,000 students. This is obviously not the case for state- or even district-level data, which may include data on elementary schools and schools of all sizes. In addition, in the case of variables such as average SAT score, estimates of national averages include both public and private schools. The national comparisons provided should be used as a general benchmark, but not for reaching any definitive conclusions about the performance of Cohort 1 SLC schools, especially given the lack of comparability with our data.

Prior SLC Involvement

Second, in examining the findings presented here on change in student outcomes over time, it is important to note that the majority of schools had already begun implementing their SLC prior to

receiving grant funds. As reported in Chapter 3, upward of three-fourths of the Cohort 1 SLC schools had already begun some form of SLC implementation prior to the 2000–01 school year. Thus, any possible variation in changes in outcomes may only relate to the receipt of the SLC grant rather than to the implementation of an SLC.

Dynamics of Implementation Process

A possible cause of lack of change, or even negative change may be the implementation process itself. That is, restructuring such a large institution as a high school may not only lead to no immediate changes, but there may actually be a dip in outcomes as school staff take on and become accustomed to their new roles. Thus, although positive trends in outcomes should not necessarily be attributed to SLC implementation, negative or flat trends should also be viewed with caution as schools adjust to the task of restructuring.

Student Academic Achievement Outcomes

In order to measure trends in academic achievement, 11th grade school-level mathematics and reading or language arts outcomes (as measured by statewide proficiency-based assessments) were examined. It is important to note that the 11th-grade data dealing with proficiency levels were particularly sparse. In fact, these data were mostly unavailable for schools located in California. Because the California schools make up approximately one-quarter of the Cohort 1 sample, we obtained school level Stanford 9 (SAT9) achievement test data for this portion of the sample.⁴⁸ As these data were not comparable to data reported by other SLC schools, results are presented separately for all 27 California schools.

As for non-California schools, based on our decision rule for including a school in the analysis of a particular outcome, a school had to have at least one data point in both the pre-funding and post-funding periods for trend lines in each period to be estimated. Because a number of schools lacked either pre- or post-funding data for these variables, a total of only 35 non-California schools were included in the examination of proficiency in reading or language arts, and only 31 were included in the examination of proficiency in mathematics.

Also included in this section is an exploration of trends in school-level SAT and ACT participation rates and score averages.

Statewide Assessment

Average scores for reading showed a statistically significant slight downward trend overall in the percentage of students at or above proficiency (Exhibit 5.1). In addition, there was a statistically significant variation shown across schools in the increase in reading proficiency made by schools during 2001–02. No relationship was found, however, between this variation among schools and SLC structure types or personalization strategies being implemented.⁴⁹ For mathematics, on the other hand, although there was a statistically significant slight downward trend over time in the percentage of students at or above proficiency in mathematics, there was also a statistically significant increase

⁴⁸ U.S. Department of Education, National School-Level State Assessment Score Database, 1997–98 to 2001–02.

⁴⁹ In fact, neither SLC structures nor personalization strategies were significant predictors of average trends or variation among schools for **any** of the outcomes examined in this chapter; full test information is provided in Appendix I.

shown in the percentage of students at or above proficiency during the post-SLC grant period (Exhibit 5.2).

Exhibit 5.1

Percentage of 11th-Grade Students At or Above Proficiency in Reading in Average SLC School (excluding California) ($n=35$)

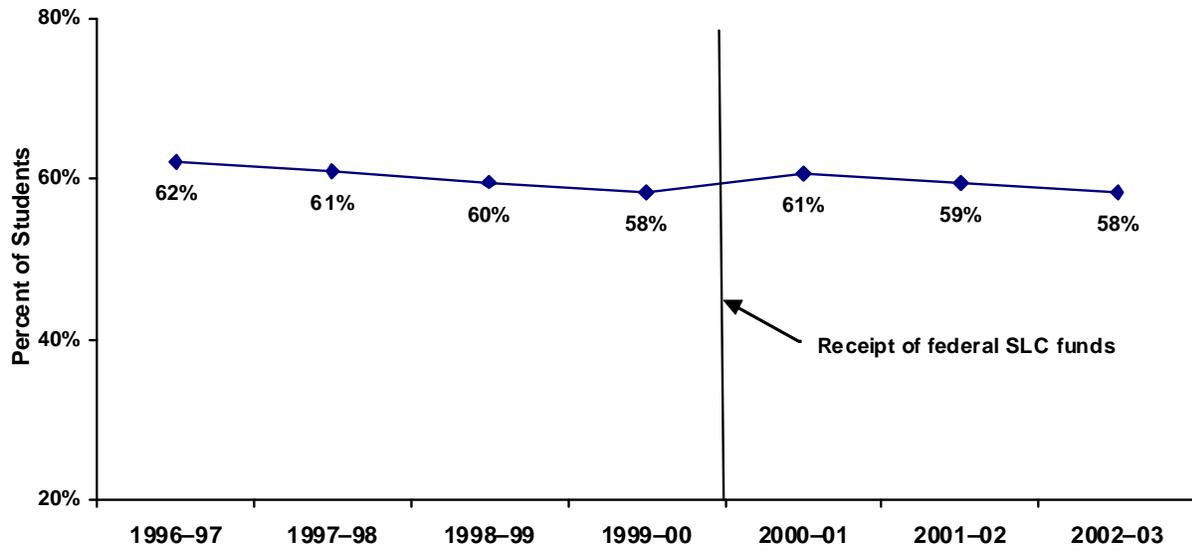


Exhibit reads: During the 1996-97 school year, 62 percent of students were at or above proficiency in reading in the average (non-California) SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4A (Statewide Assessments), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibit 5.2**Percentage of 11th-Grade Students At or Above Proficiency in Mathematics in Average SLC School (excluding California) ($n=31$)**

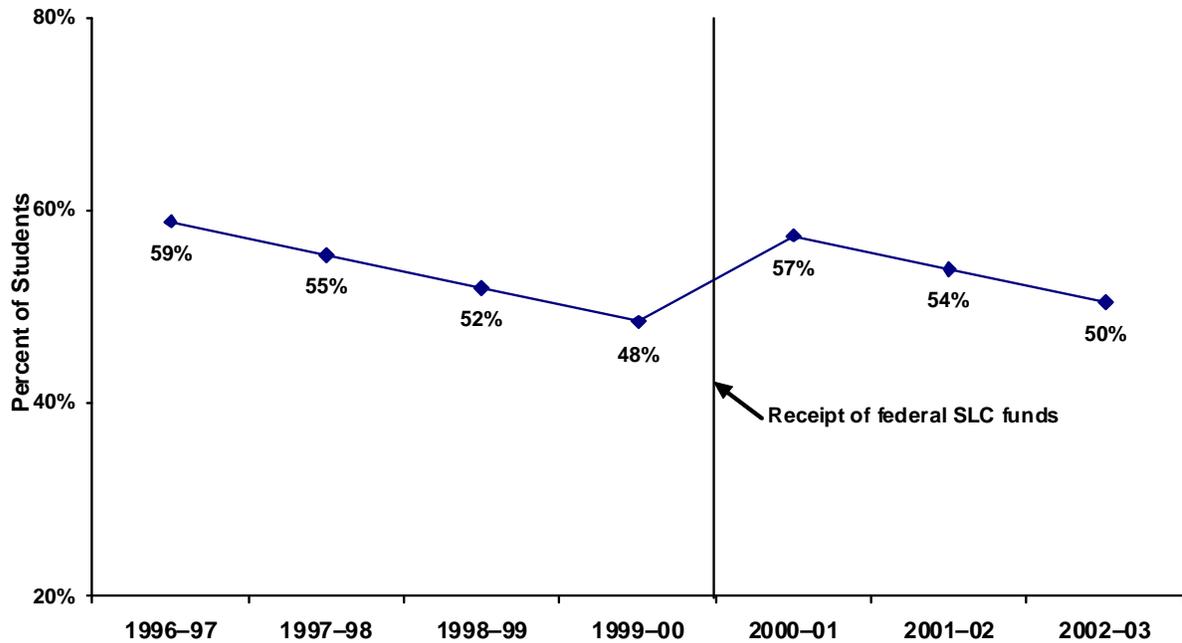


Exhibit reads: During the 1996-97 school year, 59 percent of students were at or above proficiency in mathematics in the average (non-California) SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4A (Statewide Assessments), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibits 5.3 and 5.4 present the percentage of 11th-grade students at or above the 50th percentile on the SAT9. The exhibits suggest that statewide assessment scores for California schools changed for both reading and mathematics over this five-year period. The model for reading (Exhibit 5.3) reveals that although schools do not appear to be trending significantly over time in either the pre- or post-periods, there was a statistically significant small positive jump between the two periods of about two percentage points. For mathematics, on the other hand (Exhibit 5.4), there was a statistically significant slightly positive trend in the percentage of students at or above proficiency in mathematics over time, with no abrupt signal of change when schools received their SLC grants.

Exhibit 5.3

Percentage of 11th-Grade Students At or Above 50th Percentile on SAT9 Reading in Average SLC School (California only) ($n=27$)

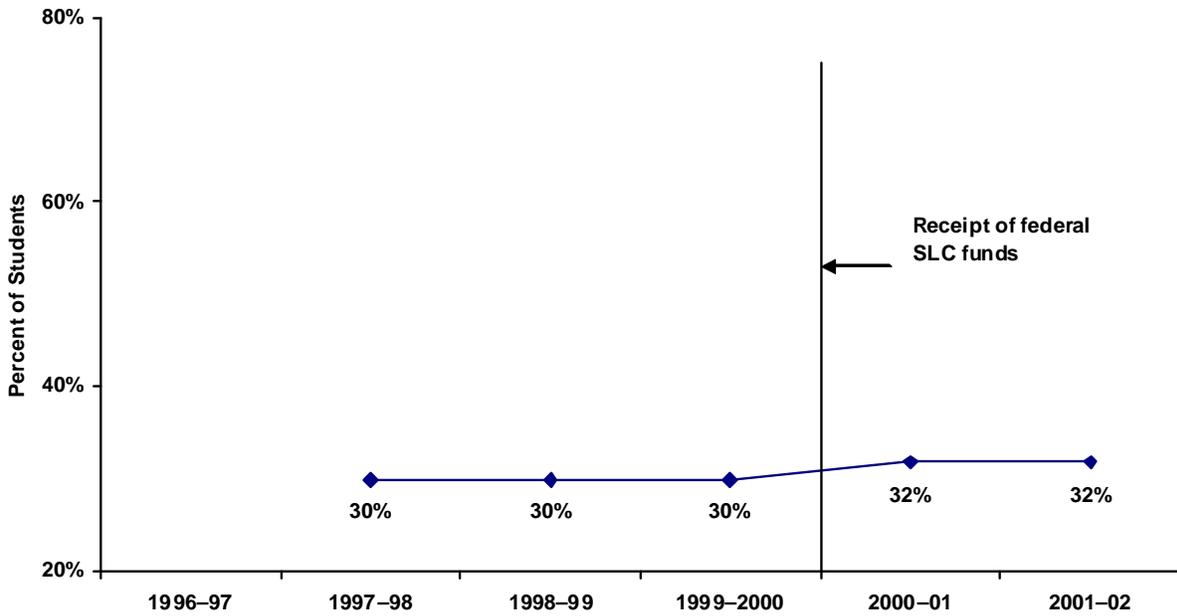


Exhibit reads: During the 1997-98 school year, 30 percent of 11th-grade students were at or above the 50th percentile on the Stanford 9 reading assessment in the average California SLC school.

Source: U.S. Department of Education, National School-Level State Assessment Score Database, 1997-98 to 2001-02.

Notes: a Data not available for SY 1996-97 or 2002-03.

b The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibit 5.4**Percentage of 11th-Grade Students At or Above 50th Percentile on SAT9 Mathematics in Average SLC School (California only) (n=27)**

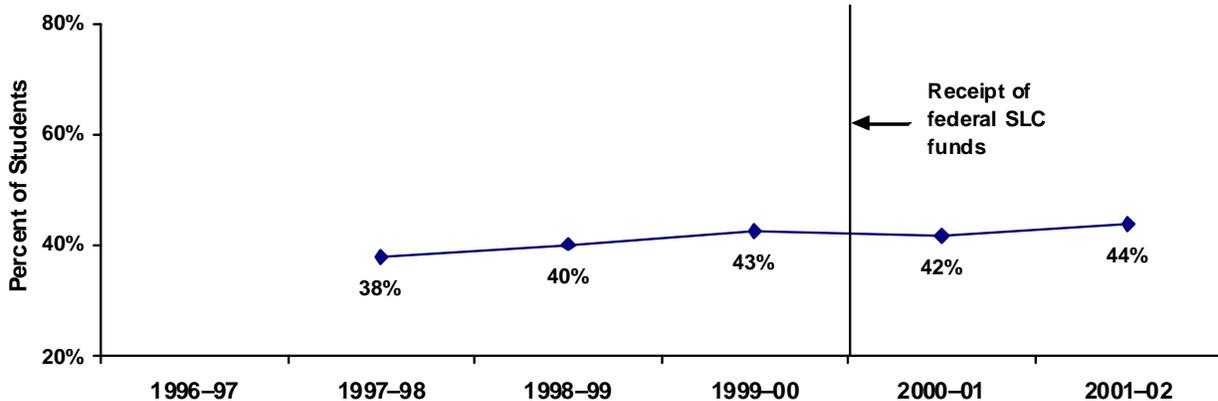


Exhibit reads: During the 1997–98 school year, 38 percent of 11th-grade students were at or above the 50th percentile on the Stanford 9 mathematics assessment in the average California SLC school.

Source: U.S. Department of Education, National School-Level State Assessment Score Database, 1997–98 to 2001–02.

Notes: a Data not available for SY 1996–97 or 2002–03.

- b The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

College Entrance Exams

Data on students taking the ACT (Exhibit 5.5) suggest a statistically significant slight upward trend in the percentage of students taking the ACTs during the pre-grant period (in schools where the exam is taken). Although the average change after receiving an SLC grant was 0, there was a statistically significant variation across schools in how much their participation in the ACT increased over the post-grant period. There was no relationship, however, between this variation and factors of SLC implementation such as structure type or personalization strategies.

Similarly, we see a statistically significant upward trend in the percentage of students taking the SAT (Exhibit 5.6). The trend was in a positive direction in both the pre- and post-grant period, with the trend increasing significantly only in the pre-grant period. Schools also varied in the amount of change in participation during the post-grant period. Variation in these trends, however, was unrelated to factors of SLC implementation. Comparable national data for student participation in college entrance exams were not available.

Average total SAT scores were very consistent over time, hovering around 950 (Exhibit 5.7). Although the average trend over time across schools was essentially flat, schools varied significantly from one another in both pre and post change and trend line. That is, some schools showed a positive trend, some a negative trend, some a zero trend, etc. Variation in these trends, however, was unrelated to factors of SLC implementation.

Exhibit 5.5**Percentage of Students in Grades 11 and 12 Taking ACT Test in Average SLC School ($n=64$)**

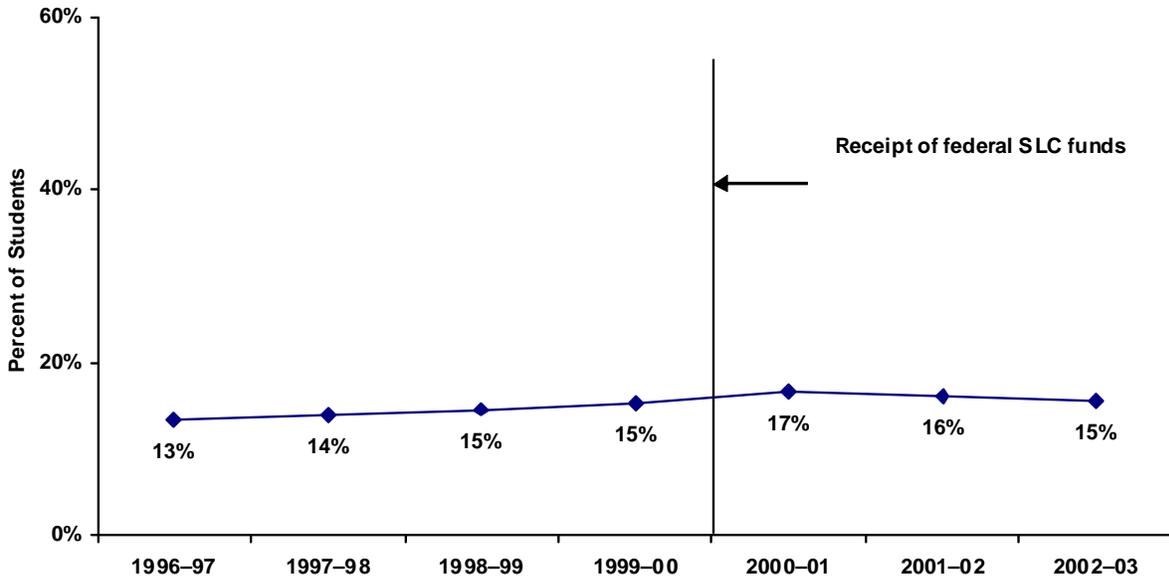


Exhibit reads: During the 1996-97 school year, 13 percent of 11th- and 12th-grade students were taking the ACT test in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4B (College Entrance Exams), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibit 5.6**Percentage of Students in Grades 11 and 12 Taking SAT Test in Average SLC School ($n=90$)**

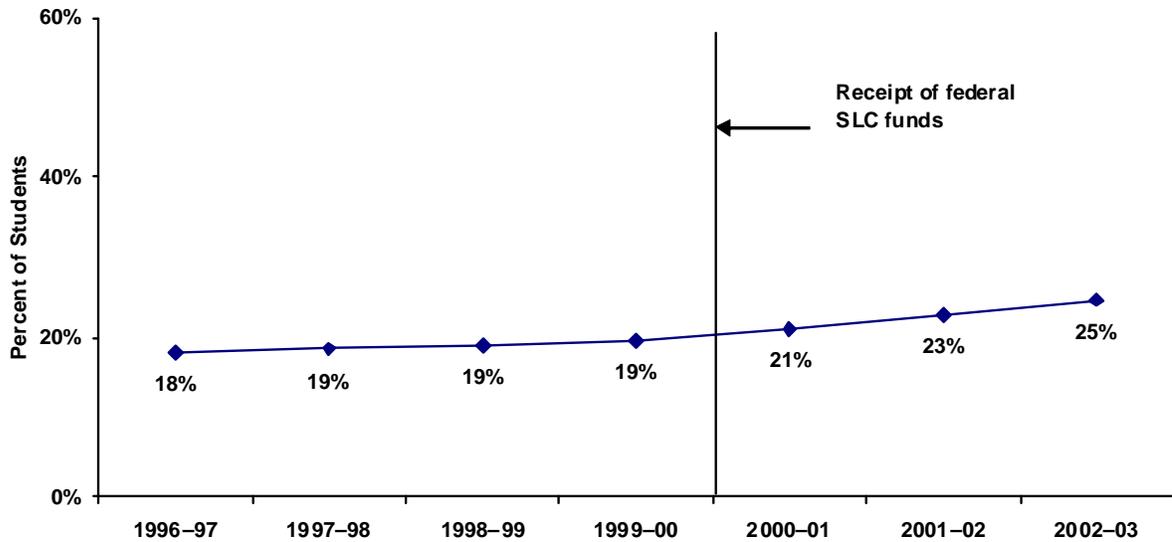


Exhibit reads: During the 1996-97 school year, 18 percent of 11th- and 12th-grade students were taking the SAT test in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4B (College Entrance Exams), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibit 5.7**Average Total SAT Score in Average SLC School ($n=89$)**

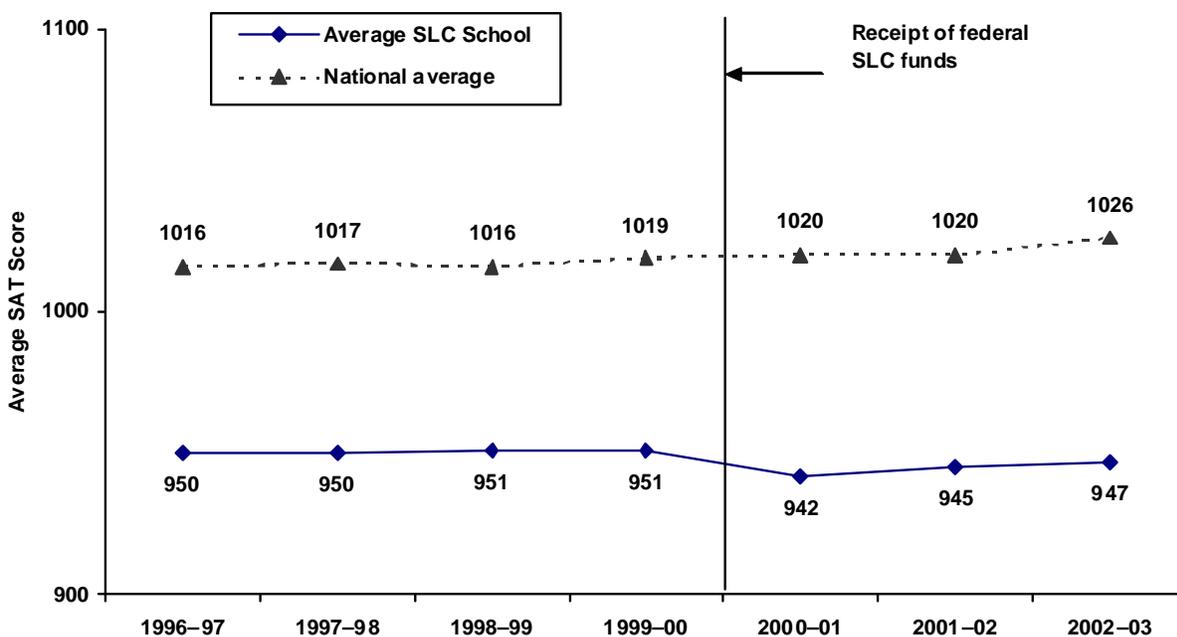


Exhibit reads: During the 1996-97 school year, the average total SAT score in the average SLC school was 950, compared to the national average of 1016.

Sources: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4B (College Entrance Exams), SY 1996-97 through SY 2002-03; 2003 *College-Bound Seniors: A Profile of SAT Program Test Takers*, The College Board.

Notes: a The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

b National data not available for SY 2001-02.

Although there was a statistically significant but small downward trend in average ACT scores in the post-grant period, ACT scores hovered around an average of 19 across the years of data collected (Exhibit 5.8). As with SAT scores, there was also statistically significant variation across schools in terms of their pattern of scores. As Exhibits 5.7 and 5.8 also show, SLC schools appear to score below national averages on both of these standardized tests. It should be mentioned, however, that these national estimates include all test takers, from both private and public schools, large and small. Although they are helpful in understanding how the nation performs as a whole, they represent a population markedly different from that of potential SLC schools, all of which are public schools.

In summary, we do not see any evidence of consistent positive change among schools associated with the receipt of their SLC grants.

Exhibit 5.8**Average Total ACT Score in Average SLC School ($n=70$)**

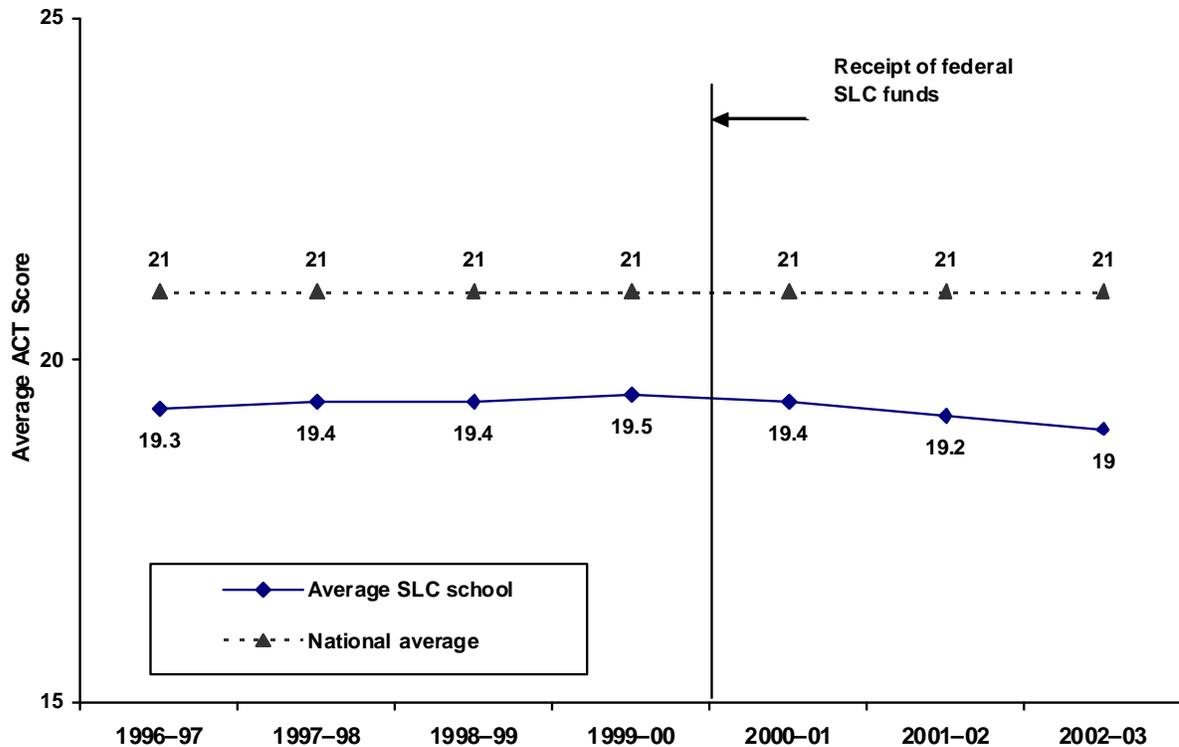


Exhibit reads: During the 1996–97 school year, the average total ACT score in the average SLC school was 19.3, compared to the national average of 21.

Sources: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4B (College Entrance Exams), SY 1996–97 through SY 2002–03; 2001, 2003 ACT National Score Reports.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Achievement of Academic Milestones

Ninth-Grade Promotion Rate

Although ninth-grade promotion rates appear stable, on average, across all years of data collection (Exhibit 5.9), there is a statistically significant positive trend in the percentage of ninth-grade students being promoted to 10th grade during the post-grant period. It is noteworthy that this trend also held for SLC schools implementing freshman academies, which have as an expressed focus reducing the ninth-grade dropout rate. In addition, mean estimates were similar to the national average for large high schools by the end of data collection (85 percent).

Exhibit 5.9**Promotion Rate from 9th to 10th Grade in Average SLC School ($n=116$)**

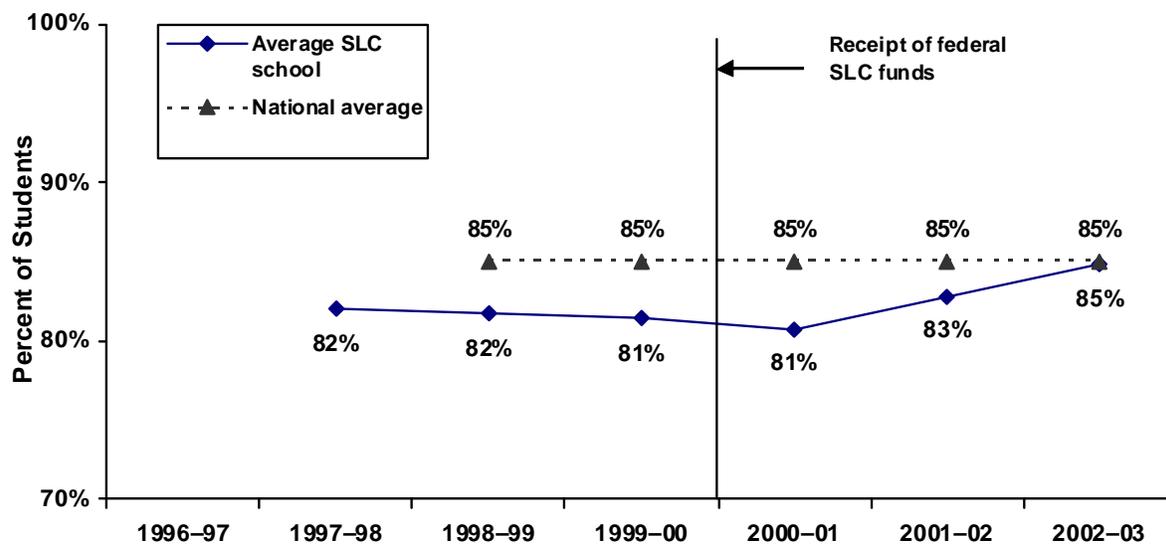


Exhibit reads: During the 1998–99 school year, 82 percent of 9th grade students were promoted to 10th grade in the average SLC school, compared to the national average of 85 percent.

Sources: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 2 (School Background), SY 1996–97 through SY 2002–03; Common Core of Data, Public Elementary, Secondary School Universe Survey Data, 1997–2003.

Notes: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors. Data for SLC schools not available for SY 1996–97. National data not available for SY 1996–97 and 1997–98.

Graduation Rate (Based on 9th-Grade and 12th-Grade Enrollment of Graduating Cohort)

Graduation rate was calculated via two different ways for these analyses—based both on the ninth-grade enrollment four years prior of the graduating cohort and on the 12th-grade enrollment of the graduating cohort (Exhibit 5.10). Graduation rate based on ninth-grade enrollment provides a better picture of the prevalence of failure to complete a secondary education. Nevertheless, because we were limited to seven years of SLC school data, we were only able to calculate graduation rate based on ninth-grade enrollment for four years, school years 1999–00 through 2002–03. In contrast, using 12th-grade enrollment provides more information about the shape of the trend line across all seven years for which we have data.

In examining Exhibit 5.10, we notice first that there was a discrepancy of approximately 33 percentage points between the estimates based on 9th- and 12th-grade enrollments—indicating that a large proportion of students, indeed, leave high school before entering the 12th grade. Nevertheless, the shapes of the trend lines are similar. Although there was a slight jump downward after SLC funding (statistically significant where graduation rate is based on ninth-grade enrollment), data over time revealed a statistically significant slight upward trend in graduation rate, based on ninth-grade enrollment.

Exhibit 5.10**Graduation Rates in Average SLC School, Based on 9th- and 12th-Grade Enrollment of Graduating Cohort ($n=114$)**

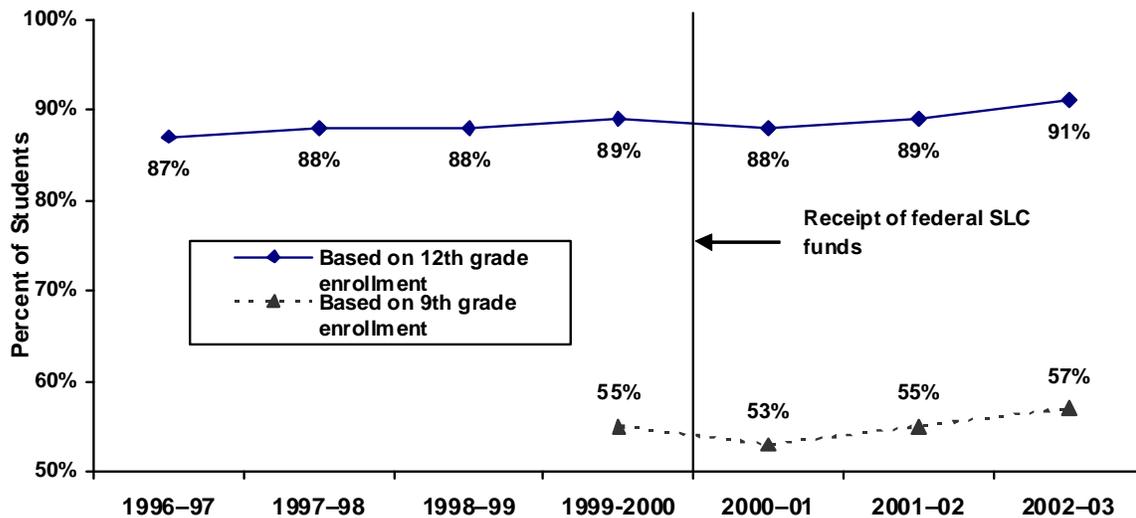


Exhibit reads: During the 1999–2000 school year, the graduation rate based on 12th-grade enrollment was 89 percent and the graduation rate based on 9th-grade enrollment four years prior was 55 percent in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996–97 through SY 2002–03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Participation in Postsecondary Education

Although simultaneous enrollment in secondary and college-level courses remains rather uncommon among students in SLC schools (Exhibit 5.11), there is about a statistically significant 2 percentage-point increase in participation post-SLC grant.

The data also suggest increases in the percentage of graduating students intending to attend either two- or four-year colleges (Exhibit 5.12). That is, there is an average statistically significant increase of about 4 percentage points between the pre- and post-grant periods. The absence of comparative national data, however, makes it difficult to infer whether this is due to receipt of the SLC grant rather than part of a more general national trend.

Exhibit 5.11

Percentage of Students Simultaneously Enrolled in Secondary and College-Level Courses in Average SLC School ($n=86$)

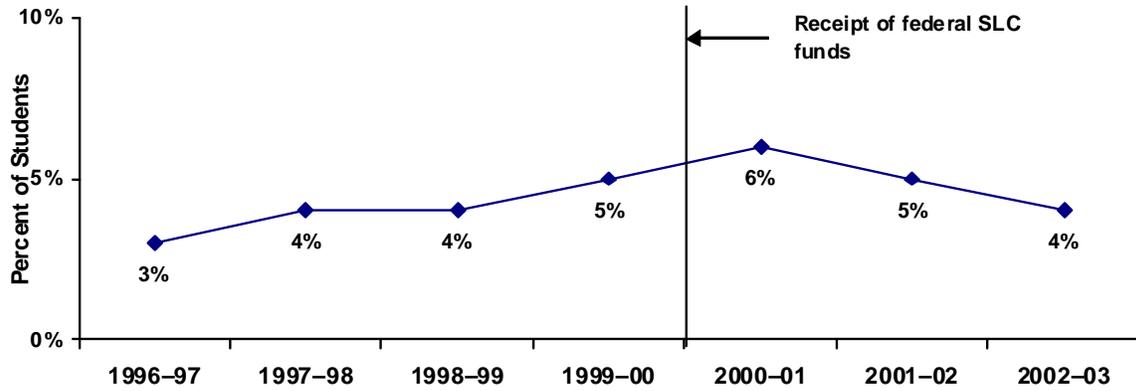


Exhibit reads: During the 1996-97 school year, 3 percent of students were simultaneously enrolled in secondary and college-level courses in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Exhibit 5.12**Percentage of Graduates Intending to Attend Two- or Four-Year Colleges in Average SLC School ($n=77$)**

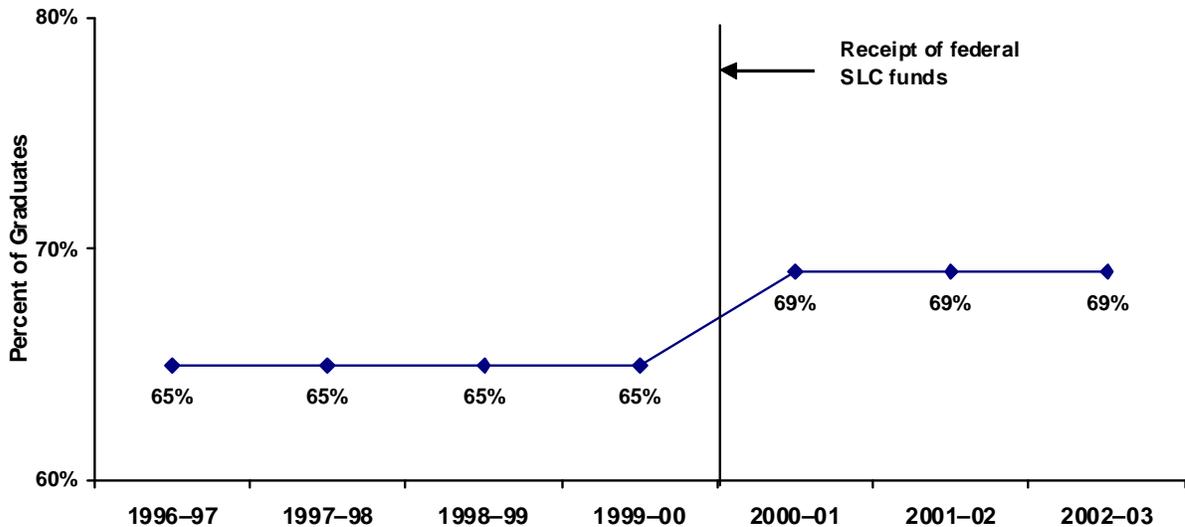


Exhibit reads: During the 1996-97 school year, 65 percent of graduates intended to attend two- or four-year colleges in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

In summary, trends in the area of the achievement of academic milestones, while modest, appear to be moving in the right direction.

School-Related Behaviors

Average Daily Attendance

Trends suggest a slight statistically significant increase in the rate of average daily attendance in the average SLC school over the seven years of data collection, with no difference between the pre- and post-grant periods (Exhibit 5.13). Given that national data are not yet available for the 2002-03 school year, it is difficult to interpret this apparent increase in attendance in SLC schools. It is important to note that this national average is based on a population somewhat different from that of SLC schools, as it includes both elementary and secondary schools of all sizes.

Involvement in Extracurricular Activities

The trend for extracurricular involvement in SLC schools showed a statistically significant substantial increase of 5 percentage points in participation after receipt of SLC funding. (Exhibit 5.14). In addition to this increase in participation across all schools, there was also statistically significant

variation across schools in how much they increased in the post-grant period. This variation, however, was unrelated to factors of SLC implementation.

Exhibit 5.13

Average Daily Attendance in Average SLC School ($n=88$)

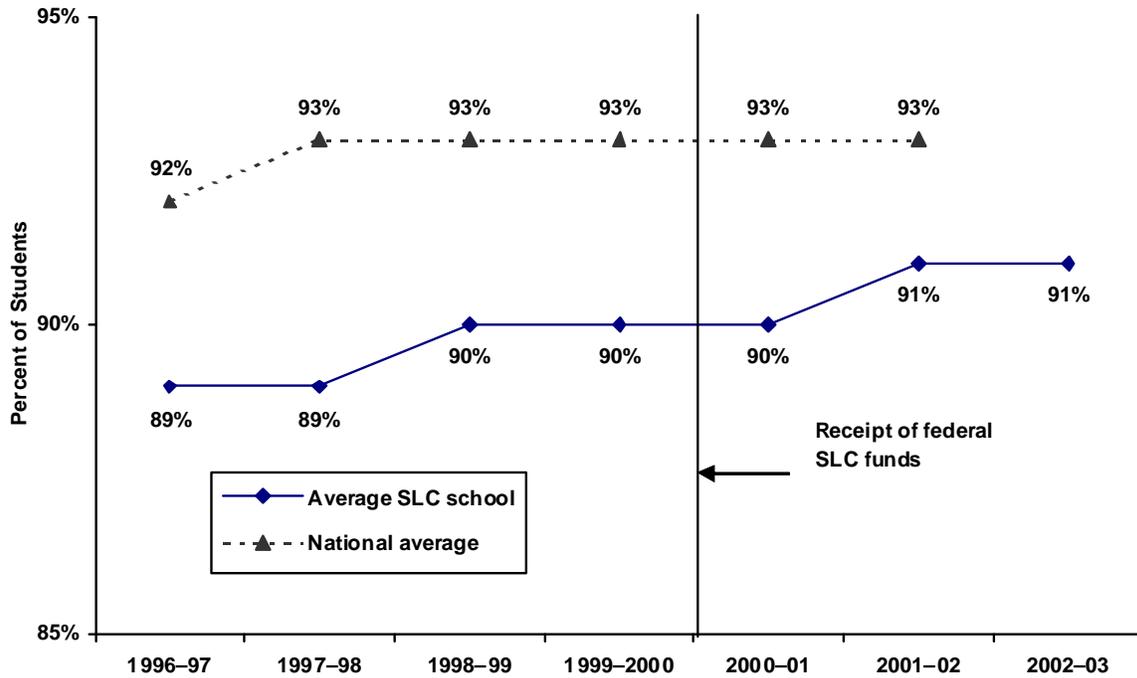


Exhibit reads: During the 1996-97 school year, the average daily attendance in the average SLC school was 89 percent, compared to the national average of 92 percent.

Sources: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03; National Public Education Financial Survey and State Nonfiscal Public Elementary, Secondary Education Survey, 1996-2002.

Notes: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors. National data not available for SY 2002-03.

Exhibit 5.14**Percentage of Students Involved in Extracurricular Activities in Average SLC School ($n=78$)**

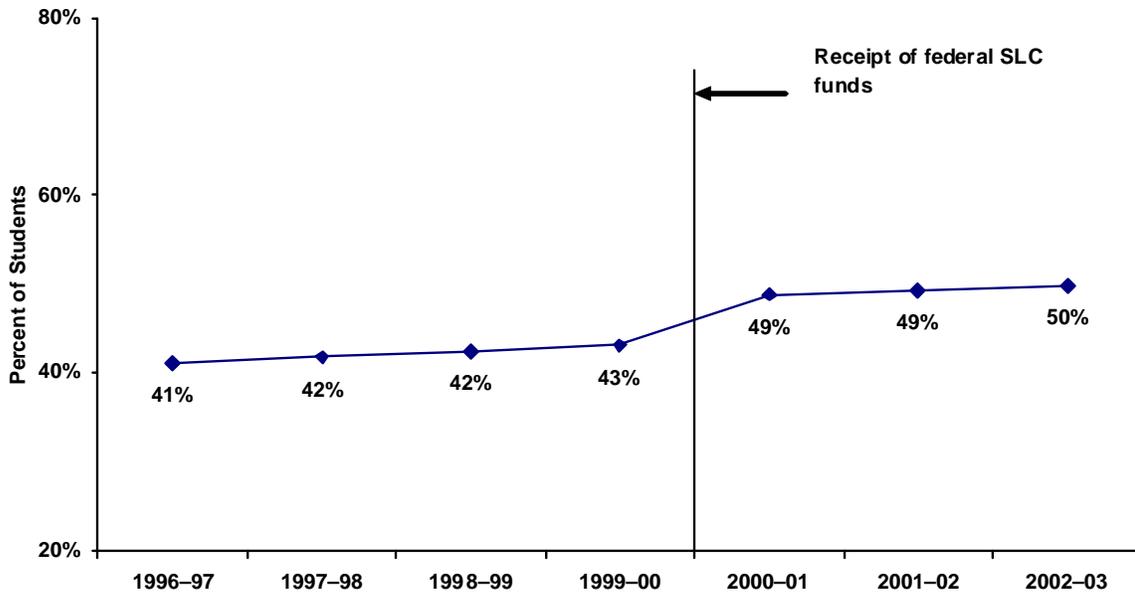


Exhibit reads: During the 1996-97 school year, 41 percent of students were involved in extracurricular activities in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Incidence of Student Violence, Drug or Alcohol Use, and Disciplinary Action

The three most recent years of data collection following the receipt of the SLC grant suggest that incidence of negative behaviors such as student violence (Exhibit 5.15) may be on the decline. The data suggest that, on average, SLC schools experienced a statistically significant 1.4-point drop in the number of violent incidents (per 100 students) during the post-grant period. Although the average rate of change was not significantly different from zero in either the pre- or post-grant periods, the rates of change did vary significantly across schools. This variation, however, was not explainable by SLC implementation factors.

Exhibit 5.15**Incidence of School Violence per 100 Students in Average SLC School ($n=100$)**

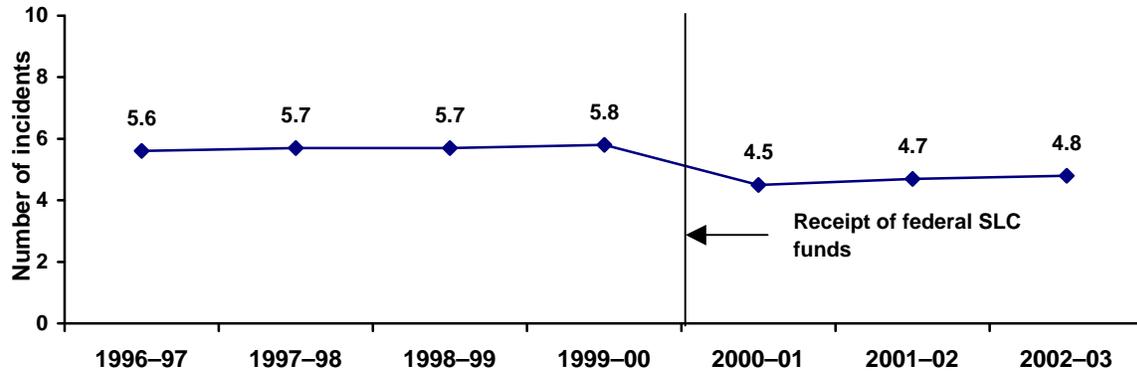


Exhibit reads: During the 1996-97 school year there were 5.6 incidents of school violence per 100 students in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

There was little change, however, in the incidence of alcohol and drug use in SLC schools across this seven-year period (Exhibit 5.16). That is, there was no evidence of statistically significant differences between the pre-and post-grant period across schools.

National comparative data (for the 1998-99 school year only) suggest that SLC schools may have a higher-than-average incidence of violence and drug or alcohol use. Based on a subsample of large high schools ($n=104$), data from the School Health Policies and Programs Study 2000 (SHPPS) estimate an average of 2.14 incidents of violence per 100 students (median = 1.41) and 1.09 incidents of drug or alcohol use per 100 students (median = 0.85), although these estimates, based on only 104 schools, are subject to sampling error. National longitudinal data can help identify if these apparent dips in student violence and drug and alcohol use may be the result of SLC implementation or are simply a mirror of national trends.

Exhibit 5.16**Incidence of Alcohol and Drug Use per 100 Students in Average SLC School ($n=93$)**

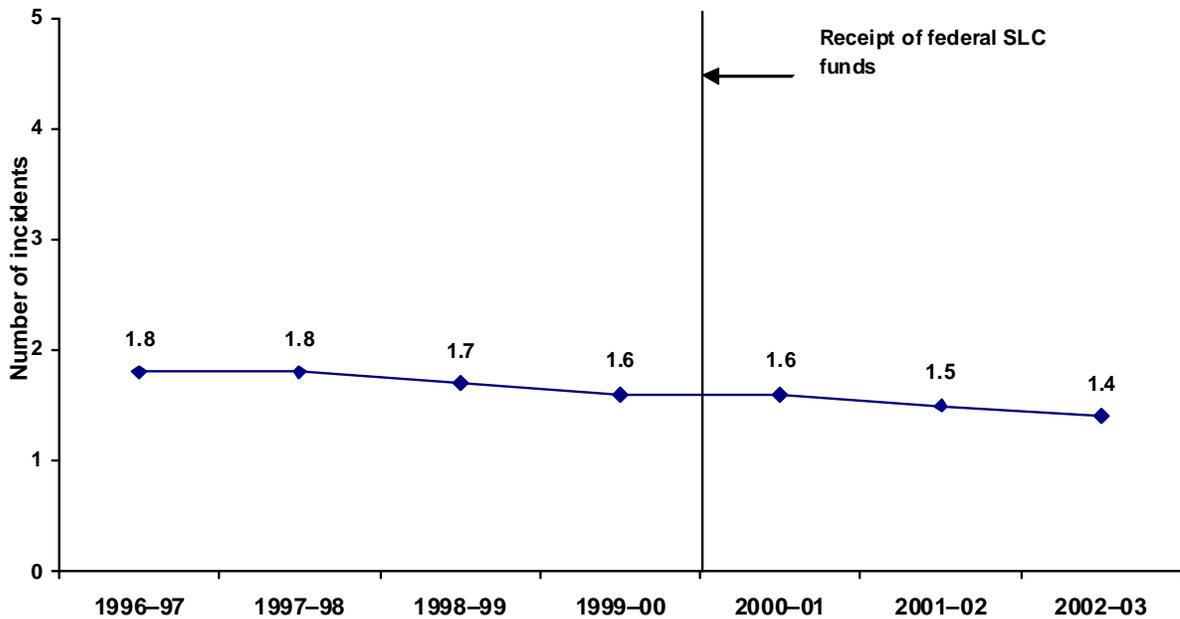


Exhibit reads: During the 1996–97 school year there were 1.8 incidents of alcohol or drug use per 100 students in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996–97 through SY 2002–03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

Although, on average, there is a very slight but not statistically significant downward trend in the number of disciplinary incidents per 100 students in SLC schools, the rate of change was not significantly different in the post-grant period (Exhibit 5.17). There was statistically significant variation, however, in both the amount and rate of change across schools, which was unrelated to any factors of SLC implementation. Unfortunately, national comparative data for these estimates are not available, and thus interpretations of this time trend must be made with caution.

Exhibit 5.17**Incidence of Disciplinary Action per 100 Students in Average SLC School (n=113)**

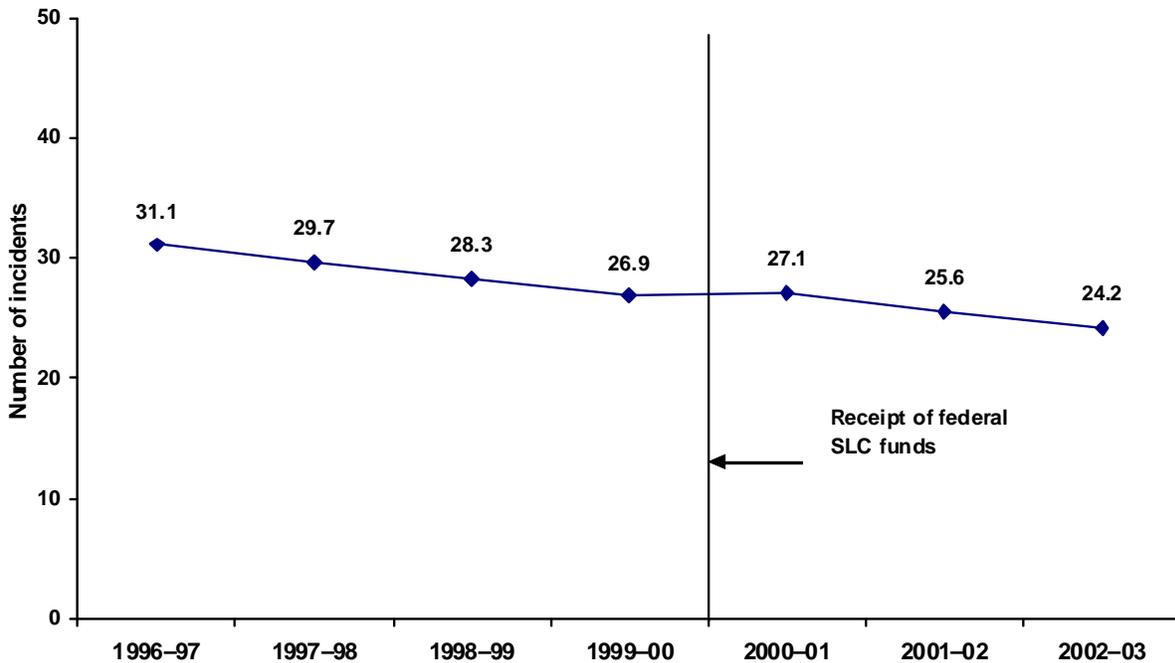


Exhibit reads: During the 1996-97 school year there were 31.1 incidents of disciplinary action per 100 students in the average SLC school.

Source: Implementation Study of Smaller Learning Communities: Annual Performance Report, Section 4C (Other Outcome Measures), SY 1996-97 through SY 2002-03.

Note: The values presented in this exhibit were estimated with a mixed model analytical approach that is discussed in the methods section of this chapter and fully presented in Appendix I. Post-receipt values may not reflect SLC effectiveness given delays in implementation and other uncontrolled factors.

In sum, early changes in academic outcomes, as measured by APR data, are modest at best. When there is evidence of change, trends appear to be moving in the right direction, especially in the area of behavioral outcomes. Specifically, trends in APR data suggest an upward trend in student extracurricular participation and downward trends in incidence of school violence, disciplinary action, and alcohol and drug use. Increases in the percentage of students taking the SAT and the percentage of students intending to continue to postsecondary education suggest a possible greater interest by students in SLC schools in postsecondary education. The following chapter summarizes the findings on Cohort 1 SLC schools as presented in this report.

Chapter 6

Summary of Findings and Future Directions

This chapter summarizes the findings on Cohort 1 schools from the Implementation Study of Smaller Learning Communities. In the last section of this chapter we discuss the future of Cohort 1 schools and lessons learned for prospective SLC districts and schools.

Major Study Findings

SLC Schools Compared to Large High Schools Nationwide

The SLC schools in the first group of grantees are distinctly different from other large high schools (that is, schools with at least 1,000 students). The SLC schools are **larger** (median enrollment of 1,874 students vs. 1,554 in large high schools), have a much higher percentage of **minority enrollment** (median of 60 percent vs. 22 percent), and are more likely to be located in **urban areas** (60 percent vs. 33 percent).

Overview of SLC Implementation

Most schools reported applying for SLC funds to increase **overall student academic achievement** (95 percent of schools), **academic achievement of at-risk students** (90 percent), and **student motivation** (87 percent). Schools were more likely to cite student academic or behavioral issues as major influences in their decision to implement an SLC program than issues external to the school, such as state or district mandates. More than half (54 percent) of the schools, however, highlighted the need for better student preparation for mandated assessments, and about half (49 percent) cited district-mandated school reform, as major influences in implementing an SLC.

Schools responded to congressional intent to implement varied approaches, and they tended to implement more than one SLC structure or strategy, with schools averaging 1.3 structures and 2.3 strategies. The most prevalent structures were **career and freshman academies**. Schools also changed over time, both in the number and types of SLC structures they were implementing. Freshman academies showed the most growth. In 2001–02, 38 percent of SLC schools had freshman academies; by 2002–03, the number had risen to 55 percent. Career academies showed some growth (from 38 percent of schools to 42 percent), whereas the overall proportion of other structures remained relatively unchanged. Schools with freshman academies, career academies, or schools-within-schools were more likely than schools with other structures to continue to implement the same SLC structures across both school years.

Schools with freshman academies, house plans, and career academies reported success in involving a majority of their eligible students. Schools with freshman academies reported a high level of participation (78 percent on average) among their ninth-grade students. For house plans, average student participation was 77 percent during the 2002–03 school year.

In addition to, or in place of, SLC structures, schools also chose to implement one or more SLC strategies, with **block scheduling** (58 percent of schools) and **teacher teams** (52 percent) the most popular choices. Schools appeared to be gradually shifting from the use of SLC strategies to a greater

use of SLC structures over time. The percent of schools implementing only strategies dropped from 23 percent to 16 percent over the two years.

Although SLC schools may implement a variety of structures and strategies, they all share the common goal of **enhancing personalization** of the high school experience for all students. We measured personalization along three separate dimensions:

- Individualized assessment and classroom practices (e.g., individualized assessments, independent study, and cooperative learning);
- Teacher teaming and class-size reduction (e.g., students taught by clusters of teachers, teachers responsible for fewer students, and class-size reduction); and
- Fostering individual student and staff relationships (e.g., existence and frequency of use of informal or formal mentoring programs).

All but two schools reported undertaking efforts to increase personalization. Most schools used individualized assessments (76 percent of schools), and about two-thirds (63 percent) reported reducing class size (or reducing the total number of students for which a teacher was responsible). Close to half of the schools (47 percent) were active in fostering individual student and staff relationships through the establishing of a formal mentoring program. Half of the schools reported making significant efforts on at least one dimension of personalization. Of these, most schools were high on a single dimension (34 schools), but another 17 schools were high on two dimensions. Only a single school reported making significant efforts on all three dimensions.

Another goal of the SLC legislation was **providing professional development** for school staff in innovative teaching methods that challenge and engage students, a key strategy used by schools for bringing about school change. Schools reported providing a wide range of professional development activities for their teaching staff, including tailoring instruction to individual student needs (95 percent of schools), subject matter content and curriculum (95 percent), problem solving and reasoning (93 percent), and strategies for helping low-achieving students (90 percent). SLC teachers received a little more than three days of professional development per year.

A third goal of the SLC legislation was to include parents, business representatives, institutions of higher education, and other community resources as facilitators of schools' SLC activities and as links between students and their communities. Four-fifths of schools (82 percent) reported working with **external partners**, such as businesses, institutions of higher education, and community based organizations in 2002–03. Most schools used partners on advisory committees and as in-school volunteers. Those schools engaging external partners with their SLCs reported that they derived specific benefits for their students, including such career-related opportunities as community service learning, internships, and job shadowing. Schools also reported **parents** involved in such school-level activities as the PTA and school governance. Involvement by parents in SLC activities was less common and cited by fewer schools (never more than 54 percent of schools for any one activity).

Factors Affecting Overall Implementation

The literature review on small schools and SLCs identified several factors that can facilitate or hinder implementation of SLCs. SLC respondents reported a similar set of factors, including **professional development specifically focused on SLCs**; the **availability of resources**, including instructional

materials; and a variety of **teacher-related variables** (e.g., attitudes toward reform, pedagogical practices, and expertise). Other factors could also be linked with implementation of a school's SLC initiative, including a **school's prior involvement in SLC activities**, the **availability of external funding**, and **involvement in other SLC-related reform efforts**. Schools also perceived a number of factors to have a negative influence on SLC implementation. These inhibitors include **structural challenges**, such as issues with scheduling or physical space, as well as **school staffing needs**, especially in terms of core academic teachers and guidance counselors.

Implementation of Career and Freshman Academies

Using the available PIS data, a high implementing career academy was defined as having the following characteristics:

- Common planning time for teachers (for such purposes as facilitating integration of academic and vocational opportunities or discussing the needs of students they teach in common);
- Autonomy over such program policies as staffing decisions and operating procedures;
- Work-based learning opportunities and internship programs for students; and
- Career-related graduation requirements that included both course work and service learning projects or a cooperative working experience.

In addition, a high implementing career academy should have:

- An increased number of courses that integrate academic and vocational instruction or specific to the SLC program them;
- Students taking more than half their course load within the career academy; and
- Demographically similar enrollments by race between career academies and the school as a whole.

Among the 44 schools with career academies with federal SLC funding, eight met all of the first four criteria for a **high implementing career academy**. Twenty-six career academy programs met the criteria for **moderately implementing** defined as having some but not all the features of high implementing career academies. A total of ten schools with career academies were classified as **low implementing** defined as having few structures or requirements in place and having little autonomy over their operations.

Freshman academies had fewer requirements to meet than career academies. Using the available PIS data, a **high implementing freshman academy** was defined as having the following characteristics:

- At least weekly common planning time for teachers, so that teachers may discuss the needs of students whom they have in common;
- Autonomy over select program policies; and
- Demographically similar enrollments by race between career academies and the school as a whole.

Of the 58 schools with freshman academies, 33 meet the first two criteria. Thirteen freshman academy programs met the criteria for **moderately implementing** as having some but not all the features of high implementing career academies. The remaining 12 schools in the freshman academy sample have **more limited implementation**. Note that having a separate space for freshman academies does not distinguish high and low implementing freshman academies; almost all freshman academy programs have at least some separate identify for their freshmen.

A **common set of factors affecting implementation** in both freshman and career academies has emerged from case study visits and follow-up telephone interviews with a sample of schools. Facilitating factors include strong school leadership, a supportive district, staff buy-in, and sufficient space to make programs separate. Identified challenges to implementation include staff (and administrative) turnover, weak school leadership, prescriptive district oversight of SLC changes, and limited resources.

Changes in Student Outcomes

Changes in academic outcomes, as measured by APR data, were modest at best. Where there is evidence of change, trends appear to be moving in the right direction. Specifically, trends in APR data suggest **upward trends in student extracurricular participation**, ninth-grade promotion rates and **downward trends in incidence of school violence, disciplinary action, and alcohol and drug use**. In addition, trends in outcomes such as increases in the percentage of students taking the SAT and the percentage of students intending to continue to postsecondary education suggest a possible greater interest by students in SLC schools in postsecondary education.

Overall Extent of SLC Implementation

The question naturally remains, how successful were the Cohort 1 SLC schools in reaching a significant level of program implementation after three years of SLC funding? By the schools' own accounts, most schools had rated themselves as having made significant progress toward full implementation of their SLC program as of the end of the 2002–03 school year, on average ranging from a low of 83 percent for career academies to a high of 91 percent for house plans. Admittedly, this measure is a flawed one, as it is based on a school's initial plans for their federally funded SLC program implementation, some of which could have been quite modest. In this report, we have attempted to provide some indications of how “successful” schools have been in their SLC implementation.

In earlier chapters, we reported on how well individual schools had performed on various indicators tied to SLC legislative goals. In this summary we report how well schools performed in terms of full implementation across a set of implementation criteria tied to the goals of the SLC legislation. Following each indicators listed below is our definition of full implementation.

- **Extent of personalization efforts:** Schools needed to report making significant efforts on at least one dimension of increasing personalization.
- **Providing professional development:** Schools needed to report the availability of SLC specific professional development for their SLC instructional staff. In addition, schools needed to report that their SLC teachers received at least 16 hours of SLC-specific professional development during the 2002–03 school year.
- **Including community representatives and parents:** Schools needed to report having external partners working directly with their SLCs during the 2002–03 school year. In addition, schools needed to report some form of parental involvement specific to the SLC program.

The results from this analysis showed that a little over a quarter (27 out of 105) of the Cohort 1 SLC schools met all of the criteria tied to the goals of the SLC legislation. That is, they reported making significant efforts on at least one dimension of increasing personalization, their instructional staff received at least 16 hours of SLC-specific professional development to their instructional staff, and they reported success in involving external partners and parents directly in SLC activities. In addition, close to three-fourths of these “well implemented” schools (20 out of 27) had either moderately or highly implemented academies (freshman or career).

Although only a minority of Cohort 1 schools reached a full level of implementation by the criteria stated by the SLC legislation, many schools were able to enact important SLC-related changes in the way they organized their schools and classrooms as a result of their SLC funding. The following section reviews the sustainability of these changes, as well as the implications of these findings for schools and districts wishing to implement SLCs in the future.

Where Do SLCs Go From Here?

Interest in high school reform in general, and in SLCs in particular, has increased dramatically over the past five years. To facilitate an expanded discussion of the future of these reforms, this section of the chapter addresses three topics:

- The extent to which Cohort 1 schools reported that schoolwide and classroom-level reforms undertaken under the federal SLC program will be sustained;
- The lessons learned from the Cohort 1 SLC grantees that may be of use to **potential** districts and SLC schools; and
- The implications for further research and support for SLCs and other high school reform efforts.

Sustainability of School- and Classroom-Level Changes

Many schools have relied on their SLC funding to enact important structural changes in their school organization and classroom practices. At the school level, the vast majority of schools reported introducing staff development specific to their SLCs (88 percent), reorganizing their curricula or instructional staff based upon the content and structure of their SLCs (80 percent), or making structural changes to student cohort organizations (72 percent) as a result of receiving their SLC grants (Exhibit 6.1). Changes at the classroom level were made by fewer schools; over half of schools, however, reported either integrating a cooperative learning focus into their curricula (63 percent) or having teachers serve as advisors or mentors (60 percent) as a result of their SLC funding (Exhibit 6.2).

In looking ahead, a key question concerns the extent to which SLC schools expect to sustain the changes they have made at both the school and classroom levels after their SLC funding has run out. The data collected on these schools suggest a serious commitment on the part of many schools to sustain structural changes in the way their school and classrooms are organized. Specifically, close to or more than three-quarters of those schools reporting having made changes using SLC funding expect to sustain those changes after their grants end. For example, almost all (96 percent) of the schools that reported making their schoolwide core curricula more academically rigorous are committed to sustaining those changes even after their SLC funding has run out (Exhibit 6.1). Similarly, 94 percent of the schools that reported using more varied student assessments for grading and promotion decisions expect to sustain those changes in the future.

Although schools were less likely to report classroom-level changes with the federal SLC funding, at least 80 percent of the schools that had implemented classroom-level changes also reported that they would sustain them. The exception is reduced class size, a change that may not be within the power of the school to sustain.

Exhibit 6.1

Percentages of SLC Schools Making School-Level Changes and Expecting to Sustain These Changes After Federal SLC Funding (n=103)

School-level changes designed to foster SLCs

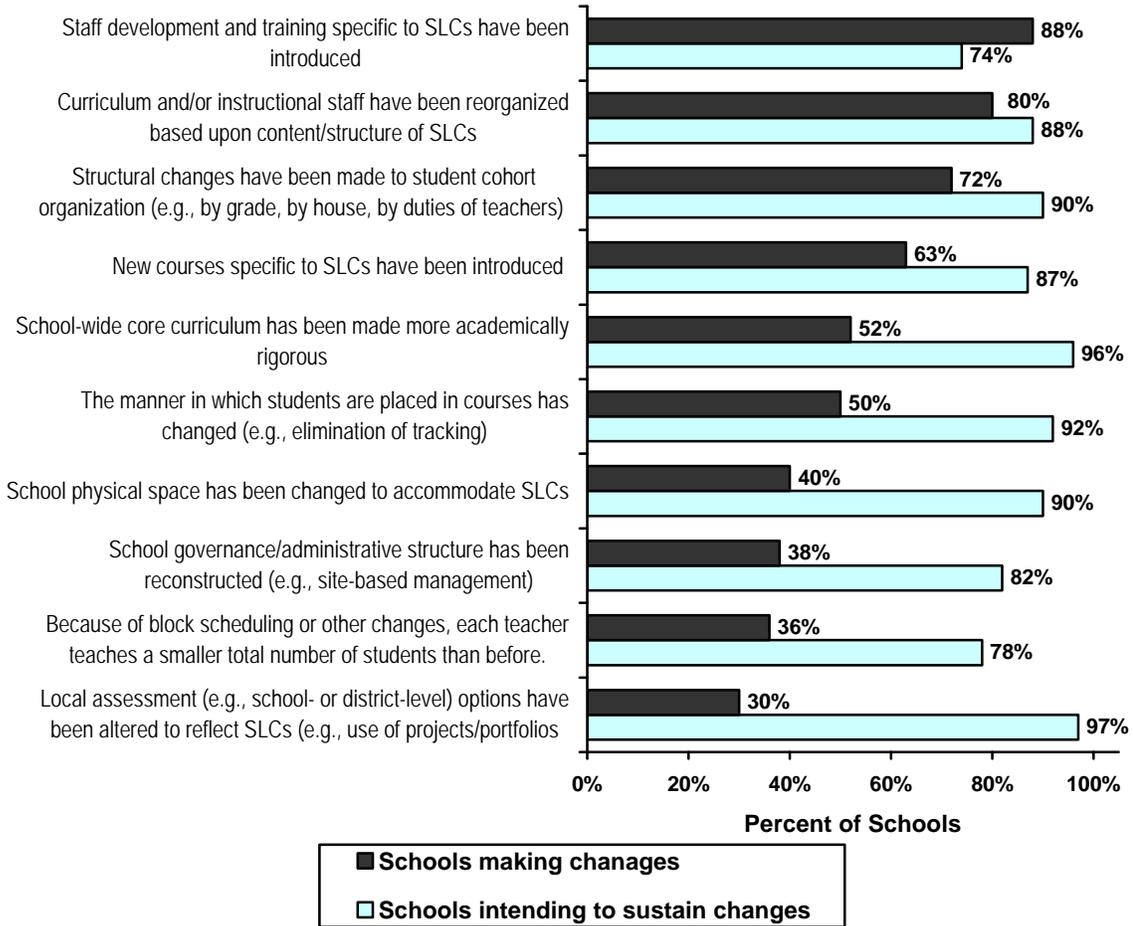


Exhibit reads: Eighty-eight percent of schools reported making changes in staff development and training as a result of federal SLC funding. Of these schools, 74 percent expect to sustain those changes after funding ends.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Section A, Question 3: “In Column A, indicate school-level SLC-type changes that have occurred as a result of federal SLC program funding. In column B, indicate changes that you expect to sustain after federal SLC funding (check all that apply).”

Exhibit 6.2**Percentages of SLC Schools Making Classroom-Level Changes and Expecting to Sustain These Changes After Federal SLC Funding (*n*=103)**

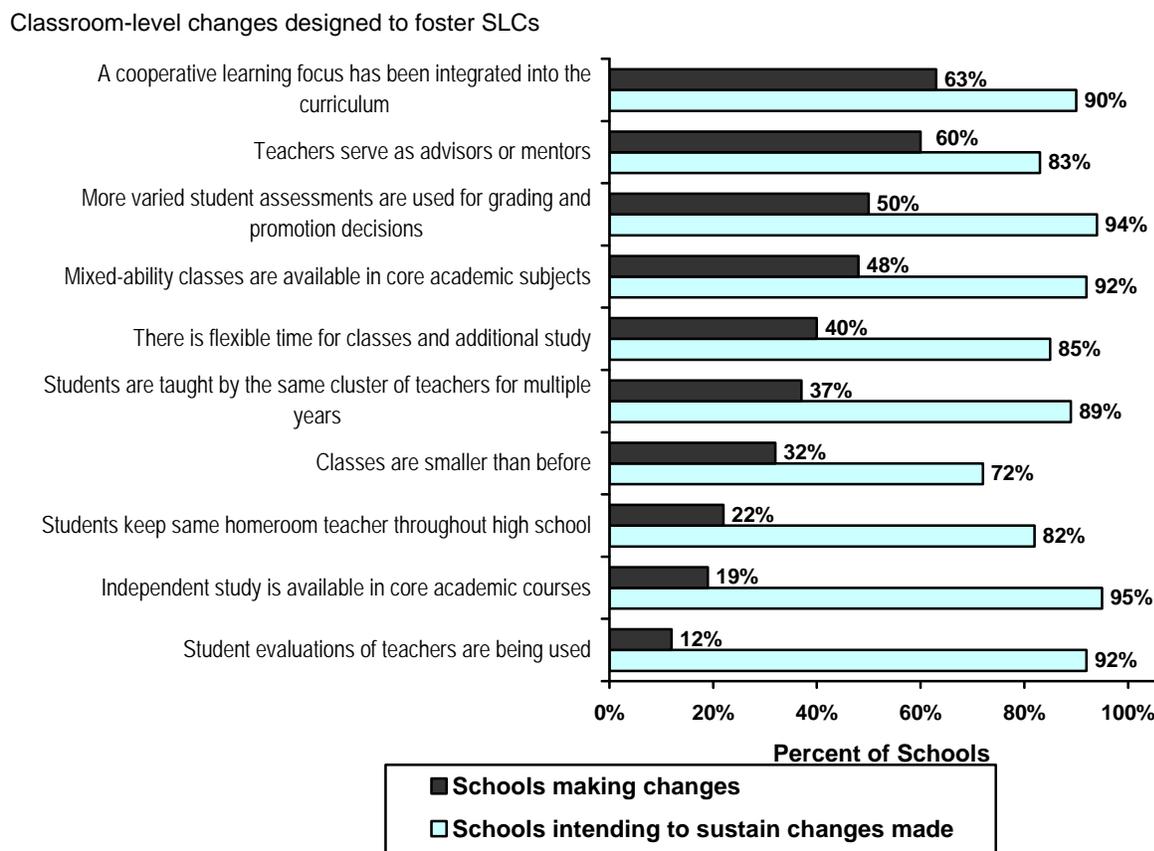


Exhibit reads: Sixty-three percent of schools reported implementing a cooperative learning focus as a result of federal SLC funding. Of these schools, 90 percent expect to sustain those changes after funding ends.

Source: Implementation Study of Smaller Learning Communities Periodic Implementation Survey, 2003, Section A, Question 4: “In column A, indicate classroom-level changes that have occurred as a result of federal SLC program funding. In column B, indicate changes that you expect to sustain after federal SLC funding (check all that apply).” See 6.1 (Section A, Question 4).

Lessons Learned for Districts and Schools

The experiences of the first cohort of SLC grantees provide useful information for subsequent cohorts about what schools have implemented and what factors influence implementation (especially those factors influencing implementation of career and freshman academies). For potential districts and schools to assess their readiness to undertake SLC implementation, we have organized lessons learned into a series of questions and answers. We hope the self-reflective questions help guide districts and schools in their decision to implement SLCs.

To What Extent Are the High Schools Ready for Reform?

Schools need to have a welcoming attitude toward change, be well managed, and have autonomy over select program activities. Both teachers and students are affected. Career academies and (to a lesser extent) freshman academies are radical reforms for high schools. When such reforms are seen as the most appropriate solution for the school's problem and when schools have sufficient authority to allocate resources and transfer teachers, then reforms can be implemented with considerable enthusiasm. If at the outset only a few teachers are interested, or student placement would be difficult, or if overall interest is lukewarm, districts and schools may wish to pursue additional planning.

What Magnitude of Change Can the High School(s) Undertake?

Implementation varies with the intended magnitude and scope of the SLC effort on the structure of the school and the content of the curriculum. Among the Cohort 1 schools (and in other reform efforts as well), structural changes were typically easier to implement than changes in the core curriculum. It was less difficult to reorganize teachers into teams than it was to integrate career content into core courses. In preparing to implement SLCs, districts and schools may wish to assess the magnitude of change that they can realistically undertake, and the sequencing of proposed changes as well.

What Is the Time Frame for High School Reform?

Schools appear to need a greater amount of time to both plan and prepare for their SLCs than they typically project. Although many Cohort 1 schools had already been involved in some degree of SLC restructuring prior to receiving their federal SLC grants, for many others this was the first opportunity to actively implement SLC structures or strategies. By the end of the third year, many SLC schools had yet to become school wide programs, even though that is the stated intention of the federal program.

What Are the Supports for SLC Structures and Strategies within the School(s)?

Districts and schools would be well served by inventorying the internal supports for reform. The principal's visible commitment is needed to implement a program throughout a grade or school, and to provide the managerial and scheduling support that teachers need. Even such relatively simple strategies as block scheduling require scheduling changes for all participating students; otherwise, teachers must continue with the traditional 42- to 47-minute class period. The principal's support is also needed to counter the inactivity of reluctant or opposing teachers, a critical concern in reforms that are designed to transform content as well as structure.

Teacher buy-in is essential to any change effort; the translation and implementation of the program is in their hands. Data from our case studies indicate that schools benefit greatly from strong school leadership and staff buy-in. As with any comprehensive school reform, continuity on the part of school leadership and staff is critical to seeing the reforms carried out. To minimize principal and staff turnover, districts may wish to request staff to commit themselves to staying in the school for the grant period. Similarly, districts must agree not to transfer supportive staff elsewhere during the same time period.

What Is the Support for SLC Structures and Strategies within the District?

Districts and schools need to assess their own managerial relationships. Where districts and schools were in agreement on SLC goals and strategies, and where districts assisted schools in implementation rather than mandated changes, implementation was more likely to have been reported

as successful. In pursuing SLCs, districts and schools need to be mindful of what they are requesting teachers and other staff to undertake, because restructuring high schools occurs on top of the regular school day. At a minimum, districts need to coordinate other district- and state-mandated reform efforts with schools' SLC reform efforts.

For school staff to become sufficiently acquainted with the new school culture under SLCs, staff need professional development opportunities specifically targeted toward the principles of school restructuring. Although the data showed that most schools offered professional development on a variety of SLC-related topics, the average amount of training SLC teachers received may have been too low to effect dramatic changes in how teachers interact with students or adapt their instruction.

Finally, schools need far more direction and assistance in how to alter their instructional techniques to meet the needs of the new school structure. For example, although many schools adopted block scheduling as a means of accommodating changes in scheduling, it is unclear whether schools also used that time to provide for more individual attention, interdisciplinary lessons, and a greater variety of learning activities, which are SLC goals. Our data show that changes made in SLC schools tended to be structural or organizational rather than pedagogical or content focused. The renewed emphasis in recent grant notices from the federal SLC program directing future grantees to increase their commitment to greater academic rigor is a step in the right direction because it encourages schools to move beyond changes in school structure and organization.

What Resources Are Available to the School(s) and District(s)?

Prospective districts and schools need to assess the visible and less visible costs of high school reform. These costs are reflected not only in real dollar expenditures for staff time and materials but also in the hidden costs of extensive volunteer time that principals, teachers, and others devote to making substantial changes in their schools. Reform has cost implications that need to be further examined. Questions that need to be asked are what is needed to facilitate scheduling curriculum changes, to fund extra time that allows teachers to have common planning time, to provide for teacher time (and substitute teacher time) for professional development, and to support a reduced student-teacher ratio (if that is one of the school's SLC goals). These cost questions have implications not only for schools considering restructuring, but for further research on high school restructuring in general.

Implications for the SLC Program

Further Research

As we noted in our Review of the Literature (Page *et al.*, 2002), although little rigorous research has been completed to date on SLC programs, there is a renewed emphasis on research. A recent grant notice from the SLC program required that programs use “research-based strategies, services, and interventions to accelerate learning by students who enter high school with reading, language arts or mathematics skills that are below grade level.”⁵⁰ It would be useful within the content of randomized controlled trials to assess the effectiveness of freshman academies. Is the reorganization of courses and staff into self-contained groups sufficient to increase promotion rates and reduce dropout rates? Is weekly common planning time sufficient for teachers to address the needs of struggling students and foster curriculum improvements? Or, do freshman academies need other program features (e.g., focused counseling for all students not only those most at risk, extended time for core subjects) to

⁵⁰ *Federal Register*, Vol. 69, No. 50, March 15, 2004, Department of Education, Smaller Learning Communities Program.

overcome the shortcomings of the traditional organization of the freshman class? Similar questions could be asked regarding other SLC structures. These efforts will aid our understanding of what makes SLCs effective for students in the long run.

Next Steps for the Implementation Study

This report has summarized the major implementation findings on the first cohort of schools funded under the federal SLC program. Findings were primarily based on surveys of SLC schools on the status of implementation in these schools during the third year of operation of their SLC programs. A follow-up report coming out later this year will include survey data on a second cohort of SLC grantees, describing their SLC implementation since they started to receive funding during SY 2002–03. The findings in this follow-up report, with data on an additional 222 SLC schools, will serve to broaden the findings reported on here.

References

- Ancess, J. *Urban Dreamcatchers: Launching and Leading New Small Schools*. New York: National Center for Restructuring Education, Schools, and Teaching (NCREST). Teachers College Press, Columbia University, 1997.
- Barker, R.G., and Gump, P.V., eds. *Big School, Small School: High School Size and Student Behavior*. Palo Alto, Calif.: Stanford University Press, 1964.
- Bernstein, L., Millsap, M.A., and Schimmenti, J. *Implementation Study of Smaller Learning Communities: Cohort 2 Follow-up Report*. Cambridge, Mass.: Abt Associates, Inc., 2005.
- Bernstein, L., Millsap, M.A., Schimmenti, J., and Page, L. *Implementation Study of Smaller Learning Communities: Final Report*. Cambridge, Mass.: Abt Associates, Inc., 2005.
- Conant, J.B. *The American High School Today*. New York, N.Y.: McGraw-Hill, 1959.
- Cotton, K. *New Small Learning Communities: Findings from Recent Literature*. Portland, Oreg.: Northwest Regional Educational Laboratory, 2001.
- Duax, T. Attrition at a nonselective magnet elementary school: A case study of a Milwaukee public school. *Journal of Research and Development in Education*, 25(3): 173-81, 1992.
- Dynarski, M., Gleason, P., Rangarajan, A., and Wood, R. *Impacts of School Restructuring Initiatives. Final Report*. Princeton, N.J.: Mathematica Policy Research, Inc., 1998.
- Elliot, M.N., Hanser, L.M., and Gilroy, C.L. *Evidence of Positive Student Outcomes in JROTC Career Academies*. Washington, D.C.: National Defense Research Institute, 2000. Prepared for the Office of the Secretary of Defense.
- Gamoran, A. Student achievement in public magnet, public comprehensive and private city high schools. *Educational Evaluation and Policy Analysis*, 18(1): 1-18, 1996.
- Kemple, J.J. *Career Academies: Communities of Support for Students and Teachers: Further Evidence from a 10-Site Evaluation: Executive Summary*. New York, N.Y.: Manpower Research Development Corporation, 1997.
- Kemple, J.J. *Career Academies: Impacts on Students' Initial Transitions to Post-Secondary Education and Employment: Executive Summary*. New York, N.Y.: Manpower Demonstration Research Corporation, 2001.
- Kemple, J.J., and Snipes, J.C. *Career Academies: Impacts on Students' Engagement and Performance in High School*. New York, N.Y.: Manpower Demonstration Research Corporation, 2000.
- Legters, N.E. *Small Learning Communities Meet School-to-Work: Whole School Restructuring for Urban Comprehensive High Schools*. Report #31. Baltimore, Md.: CRESPAR, 1999.

McMullan, B.J., and Wolf, W.C. *The Philadelphia Schools Collaborative: An Assessment of Its First Three Years*. Bala Cynwyd, Pa.: Center for Assessment and Policy Development, 1991.

McQuillan, P.J., and Muncey, D.E. *School-Within-a-School Restructuring and Faculty Divisiveness: Examples from a Study of the Coalition of Essential Schools*. Working Paper #6. Providence, R.I.: Brown University, School Ethnography Project, 1991.

National Center for Education Statistics. *Common Core of Data, Public Elementary, Secondary School Universe Survey (2000–01)*. Washington, D.C.: U.S. Department of Education.

Oxley, D. Theory and practice of school communities. *Educational Administration Quarterly*, 33 (suppl.): 624-643, 1997.

Page, L., Layzer, C., Schimmenti, J., Bernstein, L., and Horst, L. *National Evaluation of Smaller Learning Communities: Literature Review*. (Unpublished). Cambridge, Mass.: Abt Associates, Inc., 2002.

Pribesh, S., Lee, V.E., and Osuna-Currea, F. *Governance in Schools-Within-Schools*. (Unpublished). Paper received with authors' permission, July 20, 2001.

Raywid, M.A. Small schools: A reform that works. *Educational Leadership*, 55(4): 34-38, 1997.

Raywid, M.A. *Taking Stock: The Movement to Create Mini-Schools, Schools-Within-Schools, and Separate Small Schools*. Commissioned by the Center on Organization and Restructuring of Schools, supported by the Office of Educational Research and Improvement, U.S. Department of Education, and by the Wisconsin Center for Education Research, 1996. Eric Clearinghouse on Urban Education ED396045.

Ready, D.D., Lee, V.E., and LoGerfo, L.F. *Social and Academic Stratification in High Schools Divided into Schools-Within-Schools*. (Unpublished). Paper received with authors' permission, 2001.

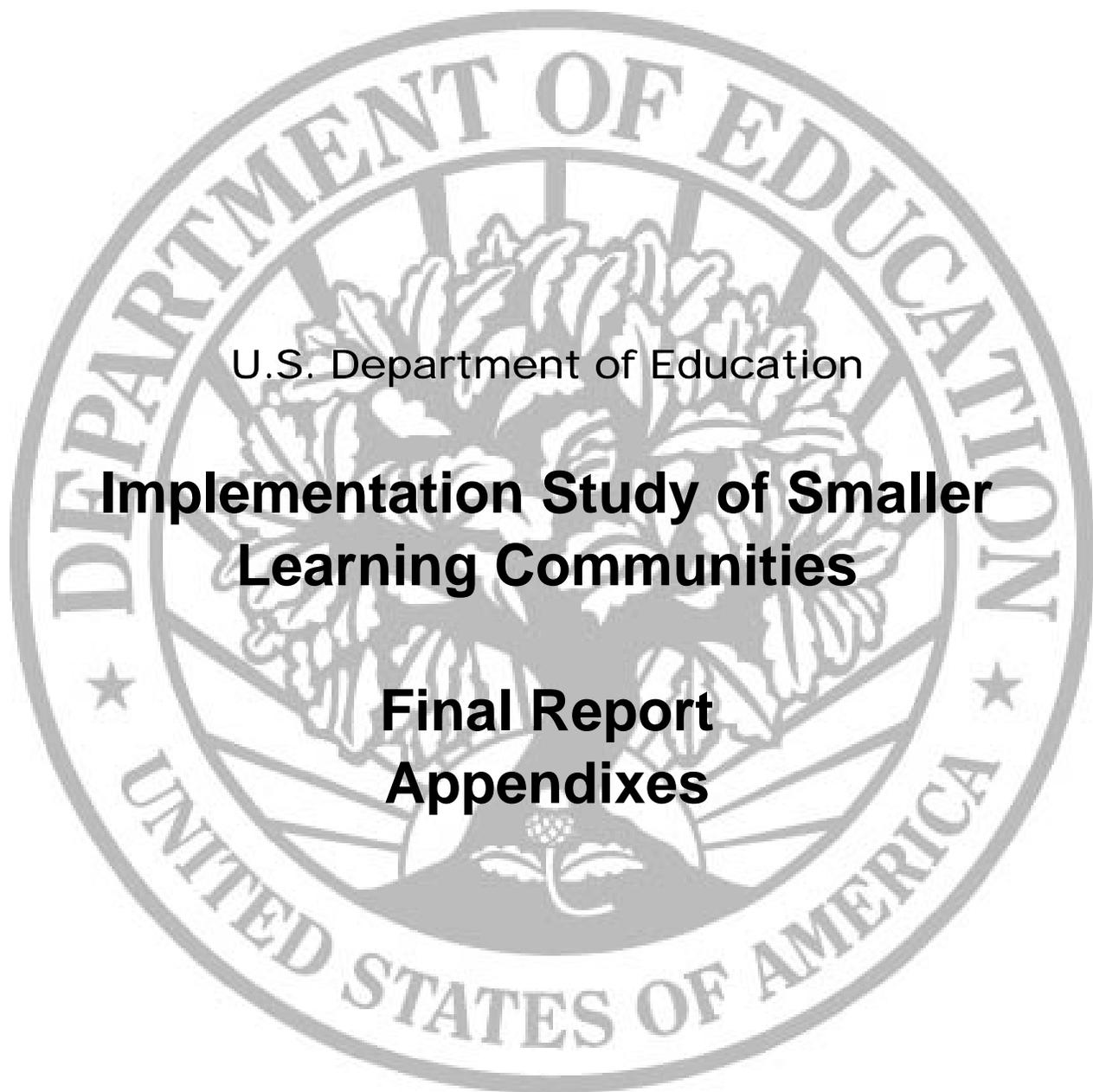
U.S. Department of Education, National Center for Education Statistics, *Schools and Staffing Survey, 1993–94*.

Wasley, P., Fine, M., Gladden, M., Holland, N.E., King, S.P., Mosak, E., and Powell, L.C. *Small Schools: Great Strides: A Study of New Small Schools in Chicago*. New York, N.Y.: Bank Street College of Education, 2000.



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U.S. Department of Education

**Implementation Study of Smaller
Learning Communities**

**Final Report
Appendixes**

Implementation Study of Smaller Learning Communities

Final Report—Appendixes

By

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Cambridge, Mass.

Prepared for

U.S. Department of Education

Office of Planning, Evaluation and Policy Development

Policy and Program Studies Service

2008

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May 2008

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Appendix A

List of SLC Cohort 1 Grantees

Appendix A

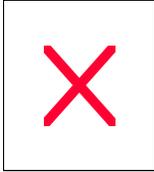
List of SLC Cohort 1 Grantees

State	Grantee Name	Number of Grantees n=63	Number of Schools That Are Part of Grant n=119	Amount of Grant
California	Los Angeles Unified School District	3	3	\$1,494,118
	Tamalpais Union High School District	1	1	\$293,235
	Moorpark Unified School District	1	1	\$499,952
	Grossmont Union High School District	1	1	\$492,753
	Roseville Joint Union High School District	1	4	\$2,449,438
	Fresno Unified School District	1	2	\$847,157
	Norwalk-LaMirada School District	1	2	\$999,887
	Glendale Unified School District	1	1	\$500,000
	Oakland Unified School District	1	5	\$2,500,000
	East San Gabriel Valley ROP/TC	1	7	\$2,496,914
Connecticut	Stamford Public Schools	1	3	\$1,000,000
Florida	Broward County	1	3	\$1,420,908
Illinois	J. Sterling Morton High School District #201	1	1	\$500,000
	Rockford Public Schools #205	1	1	\$500,000
Kansas	Kansas City Public Schools #500	1	4	\$1,977,290
Louisiana	Saint Charles Public School System/ MetroVIsion SLC Consortium	1	7	\$2,500,000
Maryland	Frederick County Public Schools	1	1	\$202,250
	Prince George's County Public Schools	2	2	\$999,255
Massachusetts	Cambridge Public Schools	1	1	\$500,000
	Brockton Public Schools	1	1	\$500,000
	Malden Public Schools	1	1	\$469,365
Michigan	Monroe Public Schools	1	1	\$493,200
Minnesota	Saint Paul Public Schools, ISD #625	1	1	\$499,763
Nebraska	Omaha Public School	1	2	\$1,970,800
New Hampshire	Nashua Public Schools	1	1	\$999,253
New Jersey	Paterson Public Schools	1	2	\$1,100,000
	Trenton Public Schools	1	1	\$421,163
	Montclair School District	1	1	\$494,700
New Mexico	Albuquerque Public Schools	1	6	\$2,500,000
New York	Manhattan High School Superintendency	1	1	\$582,312
	Bronx High Schools	1	5	\$2,498,684
	Freeport Public Schools	1	1	\$1,500,000
	Newburgh Enlarged City School District	1	1	\$499,893
North Carolina	Wake County Public School System	3	3	\$1,479,088
	Watauga County	1	1	\$499,989

State	Grantee Name	Number of Grantees n=63	Number of Schools That Are Part of Grant n=119	Amount of Grant
Ohio	Cincinnati Public Schools	1	5	\$2,496,841
	Reynoldsburg City Schools	1	1	\$721,932
	Cleveland Municipal School District	1	3	\$1,500,000
Oregon	North Clackamas School District	1	3	\$840,225
	Beaverton School District #48	1	1	\$500,000
	Eugene School District	1	1	\$433,606
	David Douglas School District	1	1	\$499,991
Pennsylvania	School District of the City of Allentown	1	2	\$994,719
	Reading School District	1	1	\$332,335
South Carolina	Charleston County School District	1	1	\$447,343
	Sumter School District #17	1	1	\$500,001
South Dakota	Rapid City Area Schools	1	3	\$100,000
Tennessee	Sevier County Schools	1	1	\$250,000
Texas	Irving Independent School District	1	3	\$1,913,000
	Hays Consolidated Independent School District	1	1	\$498,050
	Houston Independent School District	1	5	\$2,553,512
	San Marcos Consolidated School District	1	1	\$500,000
Utah	Davis School District	1	1	\$499,985
Vermont	Burlington School District	1	1	\$1,318,754
Virginia	Newport News Public Schools	1	1	\$500,338
	Norfolk Public Schools	1	1	\$498,234
Wisconsin	Milwaukee Public Schools	1	1	\$499,898
	Madison Metropolitan School District	1	1	\$500,000

Appendix B

**Annual
Performance
Report**



**U.S. Department of Education
Annual Performance Report
Smaller Learning Communities (SLC)
District Cover Sheet**

1. PR/Award No. (e.g. H185A200211-95)

--

See Block 4 on your last Notification of Grant Award.

2. LEA Name and Address:

--

NCES District ID:

Unless address has changed, repeat from Block 1 on your last Notification of Grant Award.

3. Total District Enrollment – Grades 9 - 12

--

Provide number of students enrolled in grades 9 through 12 during performance reporting period.

4. Project:

Title: Number of Schools Included in the Grant:
--

The title should be identical to that on the approved application.

5. Contact Person:

Name: Title: Telephone Number: Fax Number: E-mail Address:
--

Provide the name and title of the project director or other individual who is most familiar with the content of the performance report. Also include telephone and fax numbers and E-mail address.

6. Performance Reporting Period:

--

This is the time frame for the information requested on the Individual School Performance Reports. (See instructions for details.)

7. Current Budget Period:

--

See Block 5 of your last Notification of Grant Award.

8. Authorized Representative:

Name: (Typed or printed) Signature:	Title: Date:
--	---------------------

**U.S. Department of Education
Annual Performance Report**

SLC Individual School Performance Report

Please complete an Individual School Performance Report for each school covered by the SLC grant.

1. School Identification:

Name:
NCES ID:

2. School Background:

	9 th Grade	10 th Grade	11 th Grade	12 th Grade	Totals
Size (number of students):					
Enrolled in the school					
Involved in SLCs					
Student Race Categories (number of students; report for all students enrolled in the school):					
American Indian or Alaska Native					
Asian					
Black or African-American					
Hispanic or Latino					
Native Hawaiian or Other Pacific Islander					
White					
More than One Race					
Other Student Demographics (number of students; report for all students enrolled in the school):					
Limited English Proficient/English Language Learners					
Disabled					

3. **SLC Strategies:** (Please refer to instructions on page 5 to complete this section.)

Number of Students Involved in Each Strategy	Grade 9	Grade 10	Grade 11	Grade 12
Adult advocates/ mentors				
Block scheduling				
Career academies				
Career clusters/pathways				
Freshman Academy				
Houses				
Magnet programs				
Schools-within-a-school				
Teacher advisory programs				
Teacher teams				
Other (please specify):				

4. Student Outcomes

A. Statewide assessments:

Please provide the number of students scoring at each proficiency level on the State assessment. Report this for each grade and subject assessed. State assessments differ in the number of levels of proficiency measured--please use as many rows and columns as your school needs. For each subject, circle the level of performance that corresponds with "proficient."

Subject	Number Tested	Level I	Level II	Level III	Level IV	Level V
Reading/Lang.Arts						
9 th grade						
10 th grade						
11 th grade						
12 th grade						
Mathematics						
9 th grade						
10 th grade						
11 th grade						
12 th grade						

B. College entrance exams

Enter “0” if no students at the school took a college entrance exam.

	SAT	ACT
Number of students taking exam:		
Average score:		

C. Other outcome measures:

Enter “0” if no student completed the activity described in the “Measures” column. If the activity does not apply to your school (e.g., your school does not have extracurricular activities), enter “NA.”

Measures	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Overall reported ADA for October				
Number of students who graduated this year				
Number of graduates who attend a 2- or 4-year college within one year after graduation				
Number of students who take classes for which they receive both high school and college credit (dual enrollment)				
Number of students involved in extracurricular activities				
Number of incidences of student violence				
Number of reported incidences of alcohol or drug use				
Number of disciplinary actions (suspensions and expulsions)				

D. Project status narrative

Refer to instructions on page 7 to complete this section.

Instructions for the Annual Performance Report

Recipients of discretionary grants must submit an annual performance report. The report describes progress made by the grantee toward meeting project goals. [For additional information see sections 75.118, 75.253, and 75.590 of the Education Department General Administrative Regulations (EDGAR).]

Annual Performance Reports will be due June 30th of each project year.

- Hardcopy submission. Please submit an original performance report, along with one copy. Reports should be sent to:

Smaller Learning Communities Grant Program
US Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202

- Electronic submission. Grantees may submit annual performance reports electronically. Both PDF and Word versions of the performance report can be obtained from the Smaller Learning Community Program's web page. The URL follows:

www.ed.gov/offices/OESE/SLCP

Once completed, reports may be returned to the SLCP e-mail address. It is:

www.smallerlearningcommunities@ed.gov

The following sections offer guidance for just those performance report questions that are not self-explanatory.

I. SLC District Cover Sheet. The questions on this sheet apply to the district—the entity that acts as the fiscal agent for the SLC grants.

- Question 6 (Performance Reporting Period). The performance reporting period refers to the school year just completed.

II. SLC Individual School Performance Report. Submit an individual school performance sheet for each school on whose behalf the LEA obtained SLC program funds. Please do not fill in the shaded boxes.

- Question 2 (School Background). Describe student demographics for all students enrolled in the school—not just those participating in an SLC.
- Question 3 (SLC Strategies). This question will be answered differently by grantees with planning grants and grantees with implementation grants.

Planning grants:

3Indicate the SLCs that are (or will be) included in the Implementation Plan and the grade levels each will affect by placing "Xs" in appropriate cells.

3If plans call for involving students within a grade level in more than one SLC activity, place an X in more than one row. For example, if plans call for involving all 9th graders in a career academy and in a teacher advisory program, each of these SLCs would be given an X in the 9th grade column.

Implementation grants:

3Report the number of students participating in one or more of the school's SLCs.

3Students within a grade level may be counted in more than one row. Some 9th graders, for example, may benefit from enrollment in a career academy and from team teaching.

Definitions of SLCs (also available on the SLCP web page):

Adult advocates/mentors. This model of personalization ensures that at least one adult knows each student well. Teachers, counselors, other school staff, and community volunteers—all of whom must be trained—can fulfill this “caring adult” role. Adult advocates meet with 15-20 students individually or in small groups on a regular basis over several years, providing rapport, academic and personal guidance.

Block scheduling. Class time is extended from 45-50 minute periods to blocks of 80-90 minutes. The added time allows teachers to provide individual attention, work together in interdisciplinary fashion, and a greater variety of learning activities.

Career academies. Career academies are a type of school-within-a-school. Career academies organize curriculum around one or more careers or occupations. They integrate academic and occupation-related classes.

Career clusters/pathways. Career clusters are broad industry areas that address all careers within the area, from technical through professional. Career clusters identify academic and technical skills needed by students as they transition from high school to post-secondary education and or employment.

Freshman academy. Also called a ninth grade academy, a freshman academy is designed to bridge middle school and high school. It responds to the high ninth-grade drop-out rate experienced by some high schools.

Houses. With the house model, students across grades are assigned to groups of a few hundred each. Each house has its own discipline policies, student activity program, student government, and social activities. Students take some or all courses with their house members and from their house teachers.

Magnet programs. Magnet schools generally have a core focus (e.g., math and science, the arts); they usually draw their students from the entire district. Magnets may or may not have competitive admission requirements.

Schools-within-a-school. With this model, a large school is broken into individual schools. Individual schools are multi-age and may be organized around a theme; they are separate and autonomous units with their own personnel, budget, and program; they operate within a larger school, sharing resources and facilities. Students and faculty choose to affiliate with one school-within-a-school.

Teacher advisory programs. With this model of personalization, administrators and teachers are assigned a small number of students for whom they remain responsible over three or four years of high school. The homeroom period is changed to a teacher-advisory period.

Teacher teams. Academic teaming organizes groups of teachers across departments so that teachers share the same students rather than the same subject. Teaming links teachers who teach different subjects in a team that shares responsibility for the curriculum, instruction, evaluation, and sometimes scheduling and discipline for a group of 100-150 students.

- Question 4A (Statewide Assessments). Statewide assessments across the US report anywhere from three to five levels of student achievement (only three levels are required by ESEA—“partially proficient,” “proficient,” and “advanced”). Please report your school’s results using as many of columns as you need, circling the column heading that corresponds to “proficient” in your state. Do this for each subject measured.
- Question 4C (Other Outcome Measures). To ensure the comparability of data collected in different schools or in the same school over time, please use the following definitions of student violence and disciplinary actions. They are from the *School Survey on Crime and Safety* conducted for the National Center for Education Statistics. Please do not fill in the shaded boxes.

At school/at your school—include activities happening in school buildings, on school grounds, on school buses, and at places that are holding school-sponsored activities. Include only those times that were normal school hours or when school activities/events were in session.

Violence—actual, attempted, or threatened fight or assault.

Disciplinary actions—removal (for more than one year) with no continuing school services, transfer, suspension, removal for less than one year, referral to counseling or to a special program (to reduce problem), punishment (e.g., detention, loss of student privileges), or withdrawal of services (e.g., kept off school bus).

- Question 4D (project status). Report the progress made in enacting your proposal.

Describe:

3progress made toward producing a viable implementation plan (for planning grant recipients) or toward implementing smaller learning communities (for implementation grant recipients);

3activities and accomplishments in the year since the start of the project or since submission of the last performance report (where possible, quantify information on activities, accomplishments, and outcomes);
3progress on goals and objectives; and

3reasons why a planned objective was not attained, or a planned activity was not conducted as scheduled (include a description of the steps and schedule for addressing the problems).

III. Budget Information. Describe the current status of your budget expenditures. If you are not expending funds at the rate expected, explain why. Describe any significant changes to your budget resulting from modifications of project activities. Do you expect to have unexpended funds at the end of the budget period? If you do, explain why and provide an estimate.

For projects that require recipients to provide matching funds or other non-federal resources, also provide the total of all non-federal contributions as of 30 days before the due date of the performance report.

IV. Supplemental Information/Changes. Please tell us about any changes you wish to make in project strategies, activities, or outcomes. Provide any other information that will help us understand the status of your project as you prepare for the next budget period.

Paperwork Reduction Act Statement

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this information collection is 1810-0632 and will expire on 10/31/2003. The time required to complete these forms is estimated to average 8 hours per response, including the time to review instructions and complete the survey. **If you have any comments concerning the accuracy of the time estimate or suggestions for improving this form, please write to:** U.S Department of Education, Washington, DC 20202-4651. **If you have any comments or concerns regarding the status of your individual submission of this form, write directly to:** Office of Elementary and Secondary Education, U.S. Department of Education, Federal Office Building 6, 400 Maryland Avenue, SW, Washington, DC 20202.

Appendix C

Periodic Implementation Surveys, 2002 and 2003

Implementation Study of Smaller Learning Communities: Periodic Implementation Survey of Schools, 2002

This survey is being conducted for the U.S. Department of Education and is part of its effort to learn about the implementation and early impact of the federal Smaller Learning Communities (SLC) Program. The program represents a federal commitment to help school districts plan and implement both strategies for creating smaller learning communities and effective and innovative changes in curriculum and instruction in high schools.

All principals of high schools who have received funds from the SLC Program are being asked to complete this survey, so your response is very important to us. **We estimate that the survey will take about 55 minutes to complete. You may find it useful to consult additional members of your school staff when completing specific questions or for help with the entire survey.** Please note that the survey has a number of separate sections printed on colored paper. Each section pertains to an SLC structure (i.e., Career Academies) that you have been implementing. **According to the information you provided as part of the Annual Performance Review (APR), your school should complete the sections checked below. You are only asked to complete those sections that apply to your school.** Each of these structures or strategies is defined in the appropriate section of the survey; if you have any questions about the sections of the survey you should complete, or any survey content questions, please contact Lindsay Page, toll-free, at (866) 366-8143.

- o Career Academies (*lavender*)
- o Freshman Academies (*yellow*)
- o House Plans (*blue*)
- o Schools-within-a-School (*pink*)
- o Magnet Schools (*ivory*)
- o Other Strategies, including: Block Scheduling, Career Clusters/Pathways, Adult Advocates/Mentors, Teacher Advisory Programs, and Teacher Teams (*orange*)

Please complete the following contact information to facilitate any necessary survey follow up.

Mailing label here [Avery no. 5160, 1 x 2-5/8 will fit JUST BARELY]

Please answer all the questions, and return the completed questionnaire in the enclosed prepaid FedEx envelope. All information that would permit identification of the individual respondent will be held in strict confidence, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any purpose, as required by law.

Thank you for your cooperation in completing this survey.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such a collection displays a valid OMB control number. The valid OMB control number for this information collection is 1875-0217. The time required to complete this information collection is estimated to average 55 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this form, please write to: U.S. Department of Education, Washington, DC 20202-4651. If you have comments or concerns regarding the status of your individual submission of this form, write directly to: Planning and Evaluation Service, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202-4651.

I. SLC Program Implementation

A. Federal SLC Program Implementation

This first set of questions is focused on your school's planning for and implementation of the federal SLC grant program.

1. When did your school first receive funding from the federal SLC grant received by your district?
(Select one.)

- ρ_1 Fall 2000 (i.e., August to December) 6/
- ρ_2 Spring 2001 (i.e., January to June)
- ρ_3 Fall 2001 (i.e., August to December)
- ρ_4 Other (Please specify) _____ 7-8/

2. When did you begin planning and design for your federally funded SLC program?

___ / ____ 9-14/
(mm/yyyy)

3. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation.

_____ % 15-17/

4. Some schools have implemented aspects of SLCs before receiving funding through the federal SLC grant program. In column A below, please indicate **school-level SLC-type** changes made **prior** to receiving federal SLC funding. In column B, indicate school-level SLC-type changes that have occurred **as a result of** federal SLC program funding. (*Check all that apply. You may check both column A and column B if there was work done both prior to and as a result of federal SLC funding.*)

		A		B	
School-level changes designed to foster small learning communities		Changes prior to federal SLC funding?		Changes related to SLC federal funding?	
a.	School governance/administrative structure has been reconstructed (e.g., site-based management)	O 1	18/	O 2	19/
b.	Structural changes have been made to student cohort organization (e.g., by grade, by house, by duties of teachers)	O 1	20/	O 2	21/
c.	School physical space has been changed to accommodate SLCs	O 1	22/	O 2	23/
d.	The manner in which students are placed in courses has changed (e.g., elimination of tracking)	O 1	24/	O 2	25/
e.	New courses specific to SLCs have been introduced	O 1	26/	O 2	27/
f.	Curriculum and/or instructional staff have been re-organized based upon content/structure of SLCs	O 1	28/	O 2	29/
g.	School-wide core curriculum has been made more academically rigorous	O 1	30/	O 2	31/
h.	Local assessment (e.g., school- or district-level) options have been altered to reflect SLCs (e.g., use of projects/portfolios)	O 1	32/	O 2	33/
i.	Staff development and training specific to SLCs have been introduced	O 1	34/	O 2	35/
j.	Other (<i>Please specify</i>): <hr style="width: 25%; margin-left: 0;"/>	O 1	38/	O 2	39/
			36-37/		
k.	None of the above	O 1	40/	O 2	41/

5. In column A, please indicate **classroom-level SLC-type** changes made **prior** to receiving federal SLC funding. In column B, indicate classroom-level changes that have occurred **as a result of** federal SLC program funding. (*Check all that apply. You may check both Column A and Column B if there was work done both prior to and as a result of federal SLC funding.*)

		A		B	
Classroom-level changes designed to foster small learning communities		Changes prior to federal SLC funding?		Changes related to SLC federal funding?	
a.	Students keep same homeroom teacher throughout high school	O 1	42/	O 2	43/
b.	Independent study is available in core academic courses	O 1	44/	O 2	45/
c.	More varied student assessments are used for grading and promotion decisions	O 1	46/	O 2	47/
d.	Mixed-ability or multi-grade classes are available in core academic subjects	O 1	48/	O 2	49/
e.	A cooperative learning focus has been integrated into the curriculum	O 1	50/	O 2	51/
f.	Student evaluations of teachers are being used	O 1	52/	O 2	53/
g.	There is flexible time for classes and additional study	O 1	54/	O 2	55/
h.	Students are taught by the same cluster of teachers for multiple years	O 1	56/	O 2	57/
i.	Teachers serve as advisors/mentors	O 1	58/	O 2	59/
j.	Other (<i>Please specify</i>): _____	O 1	62/	O 2	63/
	60-61/				
k.	None of the above	O 1	64/	O 2	65/

6. How important were each of the following factors in your decision to apply for a federal SLC grant?

	Not important	Rather important	Very important	Don't know	
<i>Student academic factors</i>					
a. Student academic achievement	O 1	O 2	O 3	O 8	66/
b. Academic course-taking	O 1	O 2	O 3	O 8	67/
c. Vocational course-taking	O 1	O 2	O 3	O 8	68/
d. Student academic achievement among at-risk students	O 1	O 2	O 3	O 8	69/
e. Promotion rates	O 1	O 2	O 3	O 8	70/
f. High school graduation rates	O 1	O 2	O 3	O 8	71/
g. SAT/ACT test-taking rates	O 1	O 2	O 3	O 8	72/
h. Acquisition of technical skills	O 1	O 2	O 3	O 8	73/
i. Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	76/

74-75/

Student behavioral/attitudinal factors

a. Absenteeism	O 1	O 2	O 3	O 8	77/
b. Dropout rates	O 1	O 2	O 3	O 8	78/
c. Incidence of student violence	O 1	O 2	O 3	O 8	79/
d. Participation rates in extracurricular activities	O 1	O 2	O 3	O 8	80/
e. Incidence of student tardiness	O 1	O 2	O 3	O 8	81/
f. Student motivation	O 1	O 2	O 3	O 8	82/
g. Student morale	O 1	O 2	O 3	O 8	83/
h. Student-teacher relationships/ interaction	O 1	O 2	O 3	O 8	84/
i. Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	87/

85-86/

7. Did teachers in your school contribute to the preparation of the SLC grant proposal? If yes, what percentage of teachers contributed to the preparation of the grant proposal?

- ρ 1 Yes 88/
 Percentage of teachers: _____%
- ρ 2 No 89-91/

8. Did the teachers in your school vote on whether to apply for an SLC grant? If yes, what percentage of teachers voted to participate?

ρ_1 Yes

92/

Percentage of teachers: _____%

93-95/

ρ_2 No

On the following pages are different modules of questions (**each in a different color**) that pertain to the SLC strategies employed by your school. Please complete only those modules that have been indicated on the cover sheet of the survey. Please complete **all** questions in **each applicable** module, being certain to follow the instructions that are provided. You may wish to have other staff assist you with this task.

Following these modules, there are additional questions to be answered about your school's overall experience implementing an SLC program.

Career Academy Module

Please complete this module only if you are implementing one or more Career Academies.

Career Academies are one type of school-within-a-school that organize curricula around one or more careers or occupations. They integrate academic and occupation-related classes.

1. When did **implementation** of the first Career Academy begin?

____ / ____
(mm/yyyy)

96-101/

2. Is your implementation of Career Academies new as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

102/

3. In the 2001-2002 school year, are you using federal SLC grant funds to support your Career Academy?

ρ_1 Yes
 ρ_2 No

103/

4. What percentage of the students at your school at each grade level participates in Career Academies?

____ % of 9th graders
____ % of 10th graders
____ % of 11th graders
____ % of 12th graders

104-106/

107-109/

110-112/

113-115/

The following questions are about the different Career Academy groups in your school.

5. Below we ask you to describe each of your Career Academy groups. There is space to describe up to four; if there are more than four, please describe the four largest. Complete section A with the names of your Career Academy groups. In section B, please identify the theme, if any, of each Career Academy. In section C, please estimate the number of students in each Career Academy group. In section D, please provide the demographic characteristics of students in each Career Academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.

Characteristics of Career Academy Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	116-117	118-119/	120-121/	122-123/
B. Theme (if any)	_____	_____	_____	_____
	124-125/	126-127/	128-129/	130-131/
C. Student enrollment in 2001-2002	_____	_____	_____	_____
	132-135/	136-139/	140-143/	144-147/
D. Demographic characteristics				
Students living in poverty, i.e., those students who would qualify for free/reduced-price lunch.	_____ %	_____ %	_____ %	_____ %
	148-150/	151-153/	154-156/	157-159/
Racial composition (%)				
a. American Indian or Alaska Native	_____ %	_____ %	_____ %	_____ %
	160-162/	163-165/	166-168/	169-171/
b. Asian	_____ %	_____ %	_____ %	_____ %
	172-174/	175-177/	178-180/	181-183/
c. Black or African-American	_____ %	_____ %	_____ %	_____ %
	184-186/	187-189/	190-192/	193-195/
d. Hispanic or Latino	_____ %	_____ %	_____ %	_____ %
	196-198/	199-201/	202-204/	205-207/
e. Native Hawaiian or other Pacific Islander	_____ %	_____ %	_____ %	_____ %
	208-210/	211-213/	214-216/	217-219/
f. White	_____ %	_____ %	_____ %	_____ %
	220-222/	223-225/	226-228/	229-231/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	232-234/	235-237/	238-240/	241-243/
b. Female	_____ %	_____ %	_____ %	_____ %
	244-246/	247-249/	250-252/	253-255/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	256-258/	259-261/	262-264/	265-267/
Special needs (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	268-270/	271-273/	274-276/	277-279/

These questions ask about **all** Career Academies in your school.

6. Which students are **eligible** to participate in a Career Academy? (*Check all that apply.*)

- | | | |
|----------------|--|------------------|
| ρ ₁ | All students | 280/ |
| ρ ₂ | Students in certain grades participate 281/ | |
| ρ ₃ | Students interested in particular subject areas | 282/ |
| ρ ₄ | Students with academic achievement above a certain level | 283/ |
| ρ ₅ | Students with academic achievement below a certain level | 284/ |
| ρ ₆ | Students who have completed pre-requisite courses | 285/ |
| ρ ₇ | Students participate on a voluntary basis | 286/ |
| ρ ₈ | Other (Please specify): _____ | 287/
288-289/ |

7. How are students **selected** to participate in the Career Academies that have been implemented at your school? (*Check all that apply.*)

- | | | |
|----------------|--|------------------|
| ρ ₁ | All students participate | 290/ |
| ρ ₂ | All students in certain grades participate | 291/ |
| ρ ₃ | Students self-select | 292/ |
| ρ ₄ | Random assignment | 293/ |
| ρ ₅ | Most qualified are selected | 294/ |
| ρ ₆ | Academic need | 295/ |
| ρ ₇ | Other (Please specify): _____ | 296/
297-298/ |

8. Does your school's Career Academy program have its own: (*Check all that apply.*)

- | | | |
|----------------|--------------------------------|------|
| ρ ₁ | Budget | 299/ |
| ρ ₂ | Staff | 300/ |
| ρ ₃ | Instructional leadership teams | 301/ |
| ρ ₄ | Operating procedures | 302/ |
| ρ ₅ | Discipline policies | 303/ |

9. Is there a separate physical space set aside for students in the Career Academy program at your school?

- | | | |
|----------------|---|------|
| ρ ₁ | Not at all separate (Skip to question 10) | 304/ |
| ρ ₂ | Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (Answer 9a) | |
| ρ ₃ | Entirely separate (Answer 9a) | |

9a. If the Career Academy program has a separate physical space in the school campus, what percent of time, on average, do students spend in the Career Academy area in a school day?

_____ %

305-307/

10. During the 2001-2002 school year, do teachers have common planning time for Career Academy program activities?

- ρ_1 Yes (*Answer question 10a*) 308/
- ρ_2 No (Skip to question 11)

10a. If yes, about how often do teachers in your school participated in common planning related to the Career Academy program?

- ρ_1 Less than once a month 309/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

11. How were teachers assigned to or within the Career Academy program? (*Check all that apply.*)

- ρ_1 All teachers have been assigned to the Career Academy program 310/
- ρ_2 Teachers volunteered 311/
- ρ_3 Teachers were assigned because of content expertise 312/
- ρ_4 Teachers were assigned because of interest/motivation 313/
- ρ_5 Teachers were assigned due to staffing needs 314/
- ρ_6 Teachers were assigned based on seniority 315/
- ρ_7 Other (Please specify): _____ 316/
317-318/

12. In the 2001-2002 school year, do students enrolled in each Career Academy take all of their courses within their own Career Academy?

- ρ_1 Yes (*Skip to question 13*) 319/
- ρ_2 No (Answer question 12a)

12a. What percentage of students' course load, on average, is taken within the Career Academy?

_____ % 320-322/

13. What kinds of assessments are utilized in the Career Academy program? Are any of these new since federal SLC funding was received? (Check all that apply.)

	Utilized?		New since SLC funding?	
a. Standardized testing: district mandated	O 1	323/	O 2	324/
b. Standardized testing: state-mandated	O 1	325/	O 2	326/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	327/	O 2	328/
d. Student self-assessment	O 1	329/	O 2	330/
e. End-of-course assessment	O 1	331/	O 2	332/
f. Other (Please specify):	O 1	335/	O 2	336/

333-

334

14. For each of the following, at which level are decisions made? (Check one per row.)

	District- level decision only	District and school decision	School- level decision only	School and Career Academy decision	Career Academy decision only	
a. Career Academy course offerings/ curriculum	O 1	O 2	O 3	O 4	O 5	337/
b. Selection of Career Academy instructional materials	O 1	O 2	O 3	O 4	O 5	338/
c. Assignment of students to teachers	O 1	O 2	O 3	O 4	O 5	339/
d. Student promotion and graduation decisions	O 1	O 2	O 3	O 4	O 5	340/
e. Selection of professional development topics specific to the Career Academy	O 1	O 2	O 3	O 4	O 5	341/
f. Career Academy schedule (e.g., daily timetable weekly schedule)	O 1	O 2	O 3	O 4	O 5	342/
g. Career Academy organization	O 1	O 2	O 3	O 4	O 5	343/

	District-level decision only	District and school decision	School-level decision only	School and Career Academy decision	Career Academy decision only	
h. Overall Career Academy budget	O 1	O 2	O 3	O 4	O 5	344/
i. Allocations within Career Academy budget(s)	O 1	O 2	O 3	O 4	O 5	345/
j. Hiring for Career Academy positions	O 1	O 2	O 3	O 4	O 5	346/

Upon finishing this module, please proceed to the next module you are to complete (as indicated by the check box list on the cover of the survey) or to the remaining questions that appear on the white pages at the back of the survey.

Freshman Academy Module

Please complete this module only if you are implementing one or more Freshman Academies.

Freshman Academies, also called Ninth Grade Academies or Freshman Transition Activities, are designed to bridge middle and high school. They respond to the high ninth-grade dropout rate experienced by some high schools.

1. When did **implementation** of the first Freshman Academy begin?

___ / ____
(mm/yyyy)

347-352/

2. Is your implementation of Freshman Academies new as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

353/

3. In the 2001-2002 school year, are you using federal SLC grant funds to support your Freshman Academy?

ρ_1 Yes
 ρ_2 No

354/

4. In the 2001-2002 school year, what percentage of the students in 9th grade participates in Freshman Academies?

_____ %

355-357/

- 4a. Do students who are repeating 9th grade participate in Freshman Academies?

ρ_1 Yes
 ρ_2 No

358/

The following questions are about the different Freshman Academy groups in your school.

5. Below we ask you to describe each of your Freshman Academy groups. There is space to describe up to four; if there are more than four, please describe the four largest. Complete section A with each of the names of your Freshman Academy groups. In section B, please identify the theme, if any, of each Freshman Academy. In section C, please estimate the number of students in each Freshman Academy group. In section D, please provide demographic characteristics of students in each Freshman Academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.

Characteristics of Freshman Academy Groups

	1	2	3	4
A. Name	_____	_____	_____	_____
	359-360/	361-362/	363-364/	365-366/
B. Theme (if any)	_____	_____	_____	_____
	367-368/	369-370/	371-372/	373-374/
C. Student enrollment in 2001-2002	_____	_____	_____	_____
	375-378/	379-382/	383-386/	387-390/
D. Demographic characteristics				
Students living in poverty, i.e., those students who would qualify for free/reduced-price lunch.	_____ %	_____ %	_____ %	_____ %
	391-393/	394-396/	397-399/	400-402/
Racial composition (%)				
a. American Indian or Alaska Native	_____ %	_____ %	_____ %	_____ %
	403-405/	406-408/	409-411/	412-414/
b. Asian	_____ %	_____ %	_____ %	_____ %
	415-417/	418-420/	421-423/	424-426/
c. Black or African-American	_____ %	_____ %	_____ %	_____ %
	427-429/	430-432/	433-435/	436-438/
d. Hispanic or Latino	_____ %	_____ %	_____ %	_____ %
	439-441/	442-444/	445-447/	448-450/
e. Native Hawaiian or other Pacific Islander	_____ %	_____ %	_____ %	_____ %
	451-453/	454-456/	457-459/	460-462/
f. White	_____ %	_____ %	_____ %	_____ %
	463-465/	466-468/	469-471/	472-474/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	475-477/	478-480/	481-483/	484-486/
b. Female	_____ %	_____ %	_____ %	_____ %
	487-489/	490-492/	493-495/	496-498/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	499-501/	502-504/	505-507/	508-510/
Special needs (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	511-513/	514-516/	517-519/	520-522/

These questions ask about **all** Freshman Academy groups in your school.

6. Which students are **eligible** to participate in a Freshman Academy? *(Check all that apply.)*

- | | | |
|----------|--|---------|
| ρ_1 | All ninth grade students, including repeaters | 523/ |
| ρ_2 | All first-time ninth grade students (no repeaters) | 524/ |
| ρ_3 | Students interested in particular subject areas | 525/ |
| ρ_4 | Students with academic achievement above a certain level | 526/ |
| ρ_5 | Students with academic achievement below a certain level | 527/ |
| ρ_6 | Students who have completed pre-requisite courses | 528/ |
| ρ_7 | Students participate on a voluntary basis | 529/ |
| ρ_8 | Other (Please specify): _____ | 530/ |
| | | 31-532/ |

7. How are students **selected** to participate in the Freshman Academies that have been implemented at your school? *(Check all that apply.)*

- | | | |
|----------|--|----------|
| ρ_1 | All ninth grade students, including repeaters, participate | 533/ |
| ρ_2 | All first-time ninth grade students (no repeaters) participate | 534/ |
| ρ_3 | Students self-select | 535/ |
| ρ_4 | Random assignment | 536/ |
| ρ_5 | Most qualified are selected | 537/ |
| ρ_6 | Academic need | 538/ |
| ρ_7 | Other <i>(Please specify)</i> : _____ | 539/ |
| | | 540-541/ |

8. Does your school's Freshman Academy program have its own: *(Check all that apply.)*

- | | | |
|----------|--------------------------------|------|
| ρ_1 | Budget | 542/ |
| ρ_2 | Staff | 543/ |
| ρ_3 | Instructional leadership teams | 544/ |
| ρ_4 | Operating procedures | 545/ |
| ρ_5 | Discipline policies | 546/ |

9. Is there a separate physical space set aside for students in the Freshman Academy program at your school?

- | | | |
|----------|---|------|
| ρ_1 | Not at all separate (Skip to question 10) | 547/ |
| ρ_2 | Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (Answer 9a) | |
| ρ_3 | Entirely separate (Answer 9a) | |

9a. If the Freshman Academy program has a separate physical space in the school campus, what percent of time, on average, do students spend in the Freshman Academy area in a school day?

_____ %

548-550/

10. During the 2001-2002 school year, do teachers have common planning time for Freshman Academy program activities?

ρ_1 Yes (*Answer question 10a*)

551/

ρ_2 No (*Skip to question 11*)

10a. If yes, about how often have teachers in your school participated in common planning related to the Freshman Academy program?

ρ_1 Less than once a month

552/

ρ_2 About once a month

ρ_3 Two to three times per month

ρ_4 Weekly

ρ_5 Two to three times per week

ρ_6 Daily

11. How were teachers assigned to or within the Freshman Academy program? (*Check all that apply.*)

ρ_1 Teachers volunteered

553/

ρ_2 Teachers were assigned because of content expertise

554/

ρ_3 Teachers were assigned because of interest/motivation

555/

ρ_4 Teachers were assigned due to staffing needs

556/

ρ_5 Teachers were assigned based on seniority

557/

ρ_6 Other (*Please specify*): _____

558/

559-560/

12. In the 2001-2002 school year, do students enrolled in each Freshman Academy take all of their courses within their own Freshman Academy?

ρ_1 Yes (*Skip to question 13*)

561/

ρ_2 No (*Answer question 12a*)

12a. What percentage of students' course load, on average, is taken within the Freshman Academy?

_____ %

562-564/

13. What kinds of assessments are utilized in the Freshman Academy program? Are any of these new since federal SLC funding was received? (Check all that apply.)

	Utilized?		New since SLC funding?	
a. Standardized testing: district mandated	O 1	565/	O 2	566/
b. Standardized testing: state-mandated	O 1	567/	O 2	568/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	569/	O 2	570/
d. Student self-assessment	O 1	571/	O 2	572/
e. End-of-course assessment	O 1	573/	O 2	574/
f. Other (<i>Please specify</i>):	O 1	577/	O 2	578/

575-576/

14. For each of the following, at which level are decisions made? (*Check one per row.*)

	District- level decision only	District and school decision	School- level decision only	School and Freshman Academy decision	Freshman Academy decision only	
a. Freshman Academy course offerings/ curriculum	O 1	O 2	O 3	O 4	O 5	579/
b. Selection of Freshman Academy instructional materials	O 1	O 2	O 3	O 4	O 5	580/
c. Assignment of students to teachers	O 1	O 2	O 3	O 4	O 5	581/
d. Student promotion and graduation decisions	O 1	O 2	O 3	O 4	O 5	582/
e. Selection of professional development topics specific to the Freshman Academy	O 1	O 2	O 3	O 4	O 5	583/
f. Freshman Academy schedule (e.g., daily timetable weekly schedule)	O 1	O 2	O 3	O 4	O 5	584/

		District- level decision only	District and school decision	School- level decision only	School and Freshman Academy decision	Freshman Academy decision only	
g.	Freshman Academy organization	O 1	O 2	O 3	O 4	O 5	585/
h.	Overall Freshman Academy budget	O 1	O 2	O 3	O 4	O 5	586/
i.	Allocations with Freshman Academy budget	O 1	O 1	O 1	O 2	O 3	587/
j.	Hiring for Freshman Academy positions	O 1	O 1	O 1	O 2	O 3	588/

Upon finishing this module, please proceed to the next module you are to complete (as indicated by the check box list on the cover of the survey) or to the remaining questions that appear on the white pages at the back of the survey.

House Plan Module

Please complete this module only if you are implementing one or more House Plans.

House Plans are comprised of students assembled across grades and assigned to groups of a few hundred each. Each House has its own disciplinary policy, student activity program, student government, and social activities. Students take some or all courses with their House members and from their House teachers.

1. When did **implementation** of the first House Plan begin?

___ / ____
(mm/yyyy)

589-594/

2. Is your implementation of House Plans new as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

595/

3. In the 2001-2002 school year, are you using federal SLC grant funds to support your House Plan?

ρ_1 Yes
 ρ_2 No

596/

4. In the 2001-2002 school year, what percentage of the students at your school at each grade level participates in House Plans?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

597-599/

600-602/

603-605/

606-608/

The following questions are about the different House Plan groups in your school.

5. Below we ask you to describe each of your House Plan groups. There is space to describe up to four; if there are more than four, please describe the four largest. Complete section A with the names of your House Plan groups. In section B, please identify the theme, if any, of each House Plan. In section C, please estimate the number of students in each House Plan group. In section D, please provide demographic characteristics of students in each of these House Plans. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.

Characteristics of House Plan Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	609-610/	611-612/	613-614/	615-616/
B. Theme (if any)	_____	_____	_____	_____
	617-618/	619-620/	621-622/	623-624/
C. Student enrollment in 2001-2002	_____	_____	_____	_____
	625-628/	629-632/	633-636/	637-640/
D. Demographic characteristics				
Students living in poverty, i.e., those students who would qualify for free/reduced-price lunch.	_____ %	_____ %	_____ %	_____ %
	641-643/	644-646/	647-649/	650-652/
Racial composition (%)				
a. American Indian or Alaska Native	_____ %	_____ %	_____ %	_____ %
	653-655/	656-658/	659-661/	662-664/
b. Asian	_____ %	_____ %	_____ %	_____ %
	665-667/	668-670/	671-673/	674-676/
c. Black or African-American	_____ %	_____ %	_____ %	_____ %
	677-679/	680-682/	683-685/	686-688/
d. Hispanic or Latino	_____ %	_____ %	_____ %	_____ %
	689-691/	692-694/	695-697/	698-700/
e. Native Hawaiian or other Pacific Islander	_____ %	_____ %	_____ %	_____ %
	701-703/	704-706/	707-709/	710-712/
f. White	_____ %	_____ %	_____ %	_____ %
	713-715/	716-718/	719-721/	722-724/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	725-727/	728-730/	731-733/	734-736/
b. Female	_____ %	_____ %	_____ %	_____ %
	737-739/	740-742/	743-745/	746-748/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	749-751/	752-754/	755-757/	758-760/
Special needs (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	761-763/	764-766/	767-769/	770-772/

These questions ask about **all** House Plans in your school.

6. Which students are **eligible** to participate in a House Plan? (*Check all that apply.*)

- | | | |
|----------|--|------------------|
| ρ_1 | All students | 773/ |
| ρ_2 | Students in certain grades participate | 774/ |
| ρ_3 | Students interested in particular subject areas | 775/ |
| ρ_4 | Students with academic achievement above a certain level | 776/ |
| ρ_5 | Students with academic achievement below a certain level | 777/ |
| ρ_6 | Students who have completed pre-requisite courses | 778/ |
| ρ_7 | Students participate on a voluntary basis | 779/ |
| ρ_8 | Other (Please specify): _____ | 780/
781-782/ |

7. How are students selected to participate in the House Plans that have been implemented at your school? (*Check all that apply.*)

- | | | |
|----------|--|------------------|
| ρ_1 | All students participate | 783/ |
| ρ_2 | Students in certain grades participate | 784/ |
| ρ_3 | Students self-select | 785/ |
| ρ_4 | Random assignment | 786/ |
| ρ_5 | Most qualified are selected | 787/ |
| ρ_6 | Academic need | 788/ |
| ρ_7 | Other (Please specify): _____ | 789/
790-791/ |

8. Does your school's House Plan program have its own: (*Check all that apply.*)

- | | | |
|----------|--------------------------------|------|
| ρ_1 | Budget | 792/ |
| ρ_2 | Staff | 793/ |
| ρ_3 | Instructional leadership teams | 794/ |
| ρ_4 | Operating procedures | 795/ |
| ρ_5 | Discipline policies | 796/ |

9. Is there a separate physical space set aside for students in the House Plan program at your school?

- | | | |
|----------|---|------|
| ρ_1 | Not at all separate (Skip to question 10) | 797/ |
| ρ_2 | Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (Answer 9a) | |
| ρ_3 | Entirely separate (Answer 9a) | |

9a. If the House Plan program has a separate physical space in the school campus, what percent of time, on average, do students spend in the House Plan area in a school day?

_____ %

798-800/

10. During the 2001-2002 school year, do teachers have common planning time for House Plan program activities?

ρ_1 Yes (Answer question 10a) 801/
 ρ_2 No (Skip to question 11)

- 10a. If yes, about how often have teachers in your school participated in common planning related to the House Plan program?

ρ_1 Less than once a month 802/
 ρ_2 About once a month
 ρ_3 Two to three times per month
 ρ_4 Weekly
 ρ_5 Two to three times per week
 ρ_6 Daily

11. How were teachers assigned to or within the House Plan program? (Check all that apply.)

ρ_1 All teachers have been assigned to House Plans 803/
 ρ_2 Teachers volunteered 804/
 ρ_3 Teachers were assigned because of content expertise 805/
 ρ_4 Teachers were assigned because of interest/motivation 806/
 ρ_5 Teachers were assigned due to staffing needs 807/
 ρ_6 Teachers were assigned based on seniority 808/
 ρ_7 Other (Please specify): _____ 809/
810-811/

12. In the 2001-2002 school year, do students enrolled in each House Plan take all of their courses within their own House Plan?

ρ_1 Yes (Skip to question 13) 812/
 ρ_2 No (Answer question 12a)

- 12a. What percentage of students' course load, on average, is taken within the House Plan?

_____ %

813-815/

13. What kinds of assessments are utilized in the House Plan program? Are any of these new since federal SLC funding was received? (Check all that apply.)

	Utilized?		New since SLC funding?	
a. Standardized testing: district mandated	<input type="radio"/> 1	816/	<input type="radio"/> 2	817/
b. Standardized testing: state-mandated	<input type="radio"/> 1	818/	<input type="radio"/> 2	819/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	820/	<input type="radio"/> 2	821/
d. Student self-assessment	<input type="radio"/> 1	822/	<input type="radio"/> 2	823/
e. End-of-course assessment	<input type="radio"/> 1	824/	<input type="radio"/> 2	825/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	828/	<input type="radio"/> 2	829/

826-827/

14. For each of the following, at which level are decisions made? (Check one per row.)

	District- level decision only	District and School decision	School- level decision only	School and House Plan decision	House Plan decision only	
a. House Plan course offerings/curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	830/
b. Selection of House Plan instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	831/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	832/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	833/
e. Selection of professional development topics specific to the House Plan	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	834/
f. House Plan schedule (e.g., daily timetable weekly schedule)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	835/
g. House Plan organization	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	836/

	District- level decision only	District and School decision	School- level decision only	School and House Plan decision	House Plan decision only	
h. Overall House Plan budget	O 1	O 2	O 3	O 4	O 5	837/
i. Allocations within House Plan budget(s)	O 1	O 2	O 3	O 4	O 5	838/
j. Hiring for House Plan positions	O 1	O 2	O 3	O 4	O 5	839/

Upon finishing this module, please proceed to the next module you are to complete (as indicated by the check box list on the cover of the survey) or to the remaining questions that appear on the white pages at the back of the survey.

School-within-a-School Module

Please complete this module only if you are implementing one or more Schools-within-a-School.

Schools-within-a-School break large schools into individual schools. Individual schools are multi-age and may be organized around a theme; they are separate and autonomous units with their own personnel, budgets, and programs. Schools-within-a-School operate within a larger school, sharing resources and facilities. Students and faculty affiliate with one School-within-a-School.

1. When did **implementation** of the first School-within-a-School begin?

___ / ____
(mm/yyyy)

840-845/

2. Is your implementation of School(s)-within-a-School new as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

846/

3. In the 2001-2002 school year, are you using federal SLC grant funds to support your Schools-within-a-School?

ρ_1 Yes
 ρ_2 No

847/

4. In the 2001-2002 school year, what percentage of the students at your school at each grade level participates in Schools-within-a-School?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

848-850/

851-853/

854-856/

857-859/

The following questions are about the different School-within-a-School groups in your school.

5. Below we ask you to describe your School-within-a-School groups. There is space to describe up to four; if there are more than four, please describe the four largest. Complete section A headings with the names of your School-within-a-School groups. In section B, please identify the theme, if any, of each School-within-a-School. In section C, please estimate the number of students in each School-within-a-School group. In section D, provide demographic characteristics of students in each School-within-a-School. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. Please make sure that the percentages given within racial composition and gender add up to 100% in each case.

Characteristics of School-within-a-School Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	860-861/	862-863/	864-865/	866-867/
B. Theme (if any)	_____	_____	_____	_____
	868-869	870-871/	872-873/	874-875/
C. Student enrollment in 2001-2002	_____	_____	_____	_____
	876-879/	880-883/	884-887/	888-891/
D. Demographic characteristics				
Students living in poverty, i.e., those students who would qualify for free/reduced-price lunch.	_____ %	_____ %	_____ %	_____ %
	892-894/	895-897/	898-890/	901-903/
Racial composition (%)				
a. American Indian or Alaska Native	_____ %	_____ %	_____ %	_____ %
	904-906/	907-909/	910-912/	913-915/
b. Asian	_____ %	_____ %	_____ %	_____ %
	916-918/	919-921/	922-924/	925-927/
c. Black or African-American	_____ %	_____ %	_____ %	_____ %
	928-930/	931-933/	934-936/	937-939/
d. Hispanic or Latino	_____ %	_____ %	_____ %	_____ %
	940-942/	943-945/	946-948/	949-951/
e. Native Hawaiian or other Pacific Islander	_____ %	_____ %	_____ %	_____ %
	952-954/	955-957/	958-960/	961-963/
f. White	_____ %	_____ %	_____ %	_____ %
	964-966/	967-969/	970-972/	973-975/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	976-978/	979-981/	982-984/	985-987/
b. Female	_____ %	_____ %	_____ %	_____ %
	988-990/	991-993/	994-996/	997-999/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	1000-1002/	1003-1005/	1006-1008/	1009-1011/
Special needs (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	1012-1014/	1015-1017/	1018-1020/	1021-1023/

These questions ask about **all** Schools-within-a-School in your school.

6. Which students are **eligible** to participate in a School-within-a-School? (Check all that apply.)

- | | | |
|----------|--|---------------------|
| ρ_1 | All students | 1024/ |
| ρ_2 | Students in certain grades | 1025/ |
| ρ_3 | Students interested in particular subject areas | 1026/ |
| ρ_4 | Students with academic achievement above a certain level | 1027/ |
| ρ_5 | Students with academic achievement below a certain level | 1028/ |
| ρ_6 | Students who have completed pre-requisite courses | 1029/ |
| ρ_7 | Students participate on a voluntary basis | 1030/ |
| ρ_8 | Other (Please specify): _____ | 1031/
1032-1033/ |

7. How are students **selected** to participate in the Schools-within-a-School that have been implemented at your school? (Check all that apply.)

- | | | |
|----------|--|---------------------|
| ρ_1 | All students participate | 1034/ |
| ρ_2 | All students in certain grades participate | 1035/ |
| ρ_3 | Students self-select | 1036/ |
| ρ_4 | Random assignment | 1037/ |
| ρ_5 | Most qualified are selected | 1038/ |
| ρ_6 | Academic need | 1039/ |
| ρ_7 | Other (Please specify): _____ | 1040/
1041-1042/ |

8. Does your school's School-within-a-School program have its own: (Check all that apply.)

- | | | |
|----------|--------------------------------|-------|
| ρ_1 | Budget | 1043/ |
| ρ_2 | Staff | 1044/ |
| ρ_3 | Instructional leadership teams | 1045/ |
| ρ_4 | Operating procedures | 1046/ |
| ρ_5 | Discipline policies | 1047/ |

9. Is there a separate physical space set aside for students in the School-within-a-School program at your school?

- | | | |
|----------|---|-------|
| ρ_1 | Not at all separate (Skip to question 10) | 1048/ |
| ρ_2 | Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (Answer 9a) | |
| ρ_3 | Entirely separate (Answer 9a) | |

9a. If the School-within-a-School program has a separate physical space in the school campus, what percent of time, on average, do students spend in the School-within-a-School area in a school day?

_____ %

1049-1051/

10. During the 2001-2002 school year, do teachers have common planning time specific for School-within-a-School program activities?

ρ_1 Yes (Answer question 10a)

1052/

ρ_2 No (Skip to question 11)

10a. If yes, about how often have teachers in your school participated in common planning related to the School-within-a-School program?

ρ_1 Less than once a month

1053/

ρ_2 About once a month

ρ_3 Two to three times per month

ρ_4 Weekly

ρ_5 Two to three times per week

ρ_6 Daily

11. How were teachers assigned to or within the School-within-a-School program? (Check all that apply.)

ρ_1 All teachers have been assigned to the Schools-within-a-school program.

1054/

ρ_2 Teachers volunteered

1055/

ρ_3 Teachers were assigned because of content expertise

1056/

ρ_4 Teachers were assigned because of interest/motivation

1057/

ρ_5 Teachers were assigned due to staffing needs

1058/

ρ_6 Teachers were assigned based on seniority

1059/

ρ_7 Other (Please specify): _____

1060/

1061-1062/

12. In the 2001-2002 school year, do students enrolled in each School-within-a-School take all of their courses within their own School-within-a-School?

ρ_1 Yes (Skip to question 13)

1063/

ρ_2 No (Answer question 12a)

12a. What percentage of students' courseload, on average, is taken within the School-within-a-School?

_____ %

1064-1066/

13. What kinds of assessments are utilized in the School-within-a-School program? Are any of these new since federal SLC funding was received? Check all that apply.)

	Utilized?		New since SLC funding?	
a. Standardized testing: district mandated	<input type="radio"/> 1	1067/	<input type="radio"/> 2	1068/
b. Standardized testing: state-mandated	<input type="radio"/> 1	1069/	<input type="radio"/> 2	1070/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	1071/	<input type="radio"/> 2	1072/
d. Student self-assessment	<input type="radio"/> 1	1073/	<input type="radio"/> 2	1074/
e. End-of-course assessment	<input type="radio"/> 1	1075/	<input type="radio"/> 2	1076/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	1079/	<input type="radio"/> 2	1080/

1077-1078/

14. For each of the following, at which level are decisions made? (Check one per row.)

	District- level decision only	District and School decision	School- level decision only	School and School- within-a- School decision	School- within-a- School decision only	
a. School-within-a-School course offerings/curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1081/
b. Selection of School-within-a-School instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1082/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1083/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1084/
e. Selection of professional development topics specific to the School-within-a-School	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1085/

	District-level decision only	District and School decision	School-level decision only	School and School-within-a-School decision	School-within-a-School decision only	
f. School-within-a-School schedule (e.g., daily timetable weekly schedule)	O 1	O 2	O 3	O 4	O 5	1086/
g. School-within-a-School organization	O 1	O 2	O 3	O 4	O 5	1087/
i. Overall School-within-a-School budget	O 1	O 2	O 3	O 4	O 5	1088/
j. Allocations within Schools-within-a-School budget(s)	O 1	O 2	O 3	O 4	O 5	1089/
k. Hiring for School-within-a-School positions	O 1	O 2	O 3	O 4	O 5	1090/

Upon finishing this module, please proceed to the next module you are to complete (as indicated by the check box list on the cover of the survey) or to the remaining questions that appear on the white pages at the back of the survey.

Magnet School Module

Please complete this module only if you are implementing one or more Magnet Schools.

Magnet Schools generally have a core focus (e.g., math and science, the arts). They usually draw their students from the entire district. Magnet schools may or may not have competitive admission requirements.

1. When did implementation of your Magnet School begin?

___ / ___
(mm/yyyy)

1091-1096/

2. Is your implementation of Magnet School(s) new as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

1097/

3. In the 2001-2002 school year, are you using federal SLC grant funds to support your Magnet School?

ρ_1 Yes
 ρ_2 No

1098/

4. In the 2001-2002 school year, what percentage of the students at your school at each grade level participates in a Magnet School?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

1099-1101/

1102-1104/

1105-1107/

1108-1110/

The following questions are about the different Magnet School groups in your school.

5. Below we ask you to describe each of your Magnet School groups. There is space to describe up to four; if there are more than four, please describe the four largest.. Complete section A with the names of your Magnet School groups. In section B, please identify the theme, if any, of each Magnet School. In section C, please estimate the number of students in each Magnet School group. In section D, please provide demographic characteristics of students in each of these Magnet Schools. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.

Characteristics of Magnet School Groups

	1	2	3	4
A. Name	_____	_____	_____	_____
	1111-1112/	1113-1114/	1115-1116/	1117-1118/
B. Theme (if any)	_____	_____	_____	_____
	1119-1120/	1121-1122/	1123-1124/	1125-1126/
C. Student enrollment in 2001-2002	_____	_____	_____	_____
	1127-1130/	1131-1134/	1135-1138/	1139-1142/
D. Demographic characteristics				
Students living in poverty, i.e., those students who would qualify for free/reduced-price lunch.	_____ %	_____ %	_____ %	_____ %
	1143-1145/	1146-1148/	1149-1151/	1152-1154/
Racial composition (%)				
a. American Indian or Alaska Native	_____ %	_____ %	_____ %	_____ %
	1155-1157/	1158-1160/	1161-1163/	1164-1166/
b. Asian	_____ %	_____ %	_____ %	_____ %
	1167-1169/	1170-1172/	1173-1175/	1176-1178/
c. Black or African-American	_____ %	_____ %	_____ %	_____ %
	1179-1181/	1182-1184/	1185-1187/	1188-1190/
d. Hispanic or Latino	_____ %	_____ %	_____ %	_____ %
	1191-1193//	1194-1196/	1197-1199/	1200-1202/
e. Native Hawaiian or other Pacific Islander	_____ %	_____ %	_____ %	_____ %
	1203-1205/	1206-1208/	1209-1211/	1212-1214/
f. White	_____ %	_____ %	_____ %	_____ %
	1215-1217/	1218-1220/	1221-1223/	1224-1226/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	1227-1229/	1230-1232/	1233-1235/	1236-1238/
b. Female	_____ %	_____ %	_____ %	_____ %
	1239-1241/	1242-1244/	1245-1247/	1248-1250/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	1251-1253/	1254-1256/	1257-1259/	1260-1262/
Special needs (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	1263-1265/	1266-1268/	1269-1271/	1272-1274/

These questions ask about your entire Magnet School program.

6. Which students are **eligible** to participate in a Magnet School? (*Check all that apply.*)

- | | | |
|----------|--|---------------------|
| ρ_1 | All students | 1275/ |
| ρ_2 | Students in certain grades | 1276/ |
| ρ_3 | Students interested in particular subject areas | 1277/ |
| ρ_4 | Students with academic achievement above a certain level | 1278/ |
| ρ_5 | Students with academic achievement below a certain level | 1279/ |
| ρ_6 | Students who have completed pre-requisite courses | 1280/ |
| ρ_7 | Students participate on a voluntary basis | 1281/ |
| ρ_8 | Other (Please specify): _____ | 1282/
1283-1284/ |

7. How are students **selected** to participate in the Magnet Schools that have been implemented at your school? (*Check all that apply.*)

- | | | |
|----------|--|---------------------|
| ρ_1 | All students participate | 1285/ |
| ρ_2 | All students in certain grades participate | 1286/ |
| ρ_3 | Students self-select | 1287/ |
| ρ_4 | Random assignment | 1288/ |
| ρ_5 | Most qualified are selected | 1289/ |
| ρ_6 | Academic need | 1290/ |
| ρ_7 | Other (Please specify): _____ | 1291/
1292-1293/ |

8. Does your school's Magnet School program have its own: (*Check all that apply.*)

- | | | |
|----------|--------------------------------|-------|
| ρ_1 | Budget | 1294/ |
| ρ_2 | Staff | 1295/ |
| ρ_3 | Instructional leadership teams | 1296/ |
| ρ_4 | Operating procedures | 1297/ |
| ρ_5 | Discipline policies | 1298/ |

9. Is there a separate physical space set aside for students in the Magnet School program at your school?

- | | | |
|----------|---|-------|
| ρ_1 | Not at all separate (Skip to question 10) | 1299/ |
| ρ_2 | Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (Answer 9a) | |
| ρ_3 | Entirely separate (Answer 9a) | |

9a. If the Magnet School program has a separate physical space in the school campus, what percent of time, on average, do students spend in the Magnet School area in a school day?

_____ %

1300-1302/

10. During the 2001-2002 school year, do teachers have common planning time for Magnet School program activities?

- ρ_1 Yes (Answer question 10a) 1303/
- ρ_2 No (Skip to question 11)

10a. If yes, about how often have teachers in your school participated in common planning related to the Magnet School program?

- ρ_1 Less than once a month 1304/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

11. How were teachers assigned to or within the Magnet School program? (Check all that apply.)

- ρ_1 All teachers have been assigned to the Magnet School program 1305/
- ρ_2 Teachers volunteered 1306/
- ρ_3 Teachers were assigned because of content expertise 1307/
- ρ_4 Teachers were assigned because of interest/motivation 1308/
- ρ_5 Teachers were assigned due to staffing needs 1309/
- ρ_6 Teachers were assigned based on seniority 1310/
- ρ_7 Other (Please specify): _____ 1311/
1312-1313/

12. In the 2001-2002 school year, do students enrolled in each Magnet School take all of their courses within their own Magnet School?

- ρ_1 Yes (Skip to question 13) 1314/
- ρ_2 No (Answer question 12a)

12a. What percentage of students' course load, on average, is taken within the Magnet School?

_____ % 1315-1317/

13. What kinds of assessments are utilized in the Magnet School program? Are any of these new since federal SLC funding was received? (Check all that apply.)

	Utilized?		New since SLC funding?	
a. Standardized testing: district mandated	<input type="radio"/> 1	1318/	<input type="radio"/> 2	1319/
b. Standardized testing: state-mandated	<input type="radio"/> 1	1320/	<input type="radio"/> 2	1321/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	1322/	<input type="radio"/> 2	1323/
d. Student self-assessment	<input type="radio"/> 1	1324/	<input type="radio"/> 2	1325/
e. End-of-course assessment	<input type="radio"/> 1	1326/	<input type="radio"/> 2	1327/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	1330/	<input type="radio"/> 2	1331/

1328-1329/

14. For each of the following, at which level are decisions made? (Check one per row.)

	District- level decision only	District and school decision	School- level decision only	School and Magnet School decision	Magnet School decision only	
a. Magnet School course offerings/ curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1332/
b. Selection of Magnet School instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1333/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1334/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1335/
e. Selection of professional development topics specific to the Magnet School	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1336/

	District- level decision only	District and school decision	School- level decision only	School and Magnet School decision	Magnet School decision only	
f. Magnet School schedule (e.g., daily timetable weekly schedule)	O 1	O 2	O 3	O 4	O 5	1337/
g. Magnet School organization	O 1	O 2	O 3	O 4	O 5	1338/
h. Overall Magnet School budget	O 1	O 2	O 3	O 4	O 5	1339/
i. Allocations within Magnet School budget(s)	O 1	O 2	O 3	O 4	O 5	1340/
j. Hiring for Magnet School positions	O 1	O 2	O 3	O 4	O 5	1341/

Upon finishing this module, please proceed to the next module you are to complete (as indicated by the check box list on the cover of the survey) or to the remaining questions that appear on the white pages at the back of the survey.

Other SLC Strategies Module

Which of these other SLC strategies are being implemented in your school? (First fill out Column A. Then for each strategy checked in Column A, complete Columns B-E.)

	FOR EACH STRATEGY CHECKED IN COLUMN A, COMPLETE COLUMNS B-E							
	A	B	C	D	E			
	Are you implementing this strategy? (Check all that apply.)	Beginning date of implementation (mm/yyyy)	Is this strategy new as a result of the federal SLC program?	Is this strategy funded, either wholly or in part, by a federal SLC grant?	What percentage of each grade participates in this SLC strategy?			
					9 th Grade	10 th Grade	11 th Grade	12 th Grade
Strategies:								
Block Scheduling (Class time is extended from 45- or 50-minute periods to blocks of 80 to 90 minutes. The added time allows teachers to provide individual attention and work together in an interdisciplinary fashion, and permits a greater variety of learning activities.)	ρ_1 1342/	___ ___ / ___ ___ ___ ___ 1343-1348/	ρ_1 Yes ρ_2 No 1349/	ρ_1 Yes ρ_2 No 1350/	___% 1351-1353/	___% 1354-1356/	___% 1357-1359/	___% 1360-1362/
Career Clusters/Pathways/Majors (These are broad areas that address all careers within the area, from technical through professional. Career clusters identify academic and technical skills needed by students as they transition from high school to post-secondary education and/or employment.)	ρ_1 1363/	___ ___ / ___ ___ ___ ___ 1364-1369/	ρ_1 Yes ρ_2 No 1370/	ρ_1 Yes ρ_2 No 1371/	___% 1372-1374/	___% 1375-1377/	___% 1378-1380/	___% 1381-1383/
Adult Advocates/Mentors (This model of personalization ensures that each student is known well by at least one staff member. Teachers, counselors, other school staff, and community volunteers – all of whom must be trained – can fulfill this “caring adult” role. Adult advocates meet with 15 to 20 students individually or in small groups on a regular basis over several years, providing support, and academic and personal guidance.)	ρ_1 1384/	___ ___ / ___ ___ ___ ___ 1385-1390/	ρ_1 Yes ρ_2 No 1391/	ρ_1 Yes ρ_2 No 1392/	___% 1393-1395/	___% 1396-1398/	___% 1399-1401/	___% 1402-1404/
Teacher Advisory Programs (This model of personalization changes the homeroom period to a teacher advisory period. Typically, administrators and teachers are assigned to a small number of students for whom they remain responsible over three or four years of high school.)	ρ_1 1405/	___ ___ / ___ ___ ___ ___ 1406-1411/	ρ_1 Yes ρ_2 No 1412/	ρ_1 Yes ρ_2 No 1413/	___% 1414-1416/	___% 1417-1419/	___% 1420-1422/	___% 1423-1425/
Teacher Teams (Academic teaming organizes groups of teachers across departments so that teachers share the same students rather than the same subject. Teachers who teach different subjects form a team that shares responsibility for curriculum, instruction, evaluation and discipline for a group of 100 to 150 students.)	ρ_1 1426/	___ ___ / ___ ___ ___ ___ 1427-1432/	ρ_1 Yes ρ_2 No 1433/	ρ_1 Yes ρ_2 No 1434/	___% 1435-1437/	___% 1438-1440/	___% 1441-1443/	___% 1444-1446/

Upon finishing this module, please proceed to the remaining questions that appear on the white pages at the back of the survey.

The remainder of the survey addresses your school’s overall experience in implementing activities to foster an SLC environment. Please base all answers on your SLC efforts in the whole school rather than on a separate SLC component (e.g., Career Academy program). For the rest of the survey, “SLC” means not only the SLC initiatives that have begun since receipt of federal SLC funding, but also any other programs in your school that are also designed to personalize the institution by establishing SLCs.

B. SLC Implementation in Your School

1. How influential were the following factors in your decision to implement an SLC program? (Check one per row.)

	No influence	Some influence	Major influence	Don’t know	
a. State-initiated school reform	O 1	O 2	O 3	O 8	1447/
b. District-initiated school reform	O 1	O 2	O 3	O 8	1448/
c. Need for better student preparation for mandated assessments	O 1	O 2	O 3	O 8	1449/
d. Teacher support	O 1	O 2	O 3	O 8	1450/
e. Local employer interest	O 1	O 2	O 3	O 8	1451/
f. City or town government interest	O 1	O 2	O 3	O 8	1452/
g. Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	1455/

1453-1454/

2. What influence has each of the following factors had on your school's implementation of the SLC program to date? (Check one per row.)

	Negative influence	No influence	Positive influence	Don't know	
Structure/Resource factors					
a. State/District standard(s) or curriculum requirements	O 1	O 2	O 3	O 8	1456/
b. Physical space/facilities, capacity to operate an SLC program	O 1	O 2	O 3	O 8	1457/
c. Departmental organization of the school	O 1	O 2	O 3	O 8	1458/
d. Scheduling/Logistics issues about the operation of an SLC	O 1	O 2	O 3	O 8	1459/
e. Resources, including instructional materials	O 1	O 2	O 3	O 8	1460/
f. Adequacy of curriculum	O 1	O 2	O 3	O 8	1461/
g. Time for common teacher planning	O 1	O 2	O 3	O 8	1462/
h. Other (Please specify): _____	O 1	O 2	O 3	O 8	1465/ 1463-1464/
Instructional staff factors					
a. District hiring policies	O 1	O 2	O 3	O 8	1466/
b. Faculty expertise	O 1	O 2	O 3	O 8	1467/
c. Pedagogical practices of existing staff	O 1	O 2	O 3	O 8	1468/
d. Availability of professional development specific to the facilitation of the SLC	O 1	O 2	O 3	O 8	1469//
e. Teacher attitudes	O 1	O 2	O 3	O 8	1470/
f. Teachers' union attitudes	O 1	O 2	O 3	O 8	1471/
g. Other (Please specify): _____	O 1	O 2	O 3	O 8	1474/ 1472-1473/
Student/Parent factors					
a. Characteristics of student population	O 1	O 2	O 3	O 8	1475/
b. Parental/Family attitudes	O 1	O 2	O 3	O 8	1476/
c. Other (Please specify): _____	O 1	O 2	O 3	O 8	1479/ 1477-1478/

3. For the 2001-2002 school year, does your school have external sources of funding (e.g., grants, donations) from sources other than the federal SLC program that are used to support the goals of the SLC program?

- ρ₁ Yes (Answer question 3a and 3b) 1480/
 ρ₂ No (Skip to Section C)

- 3a. If yes, please indicate which of the following sources of funding your school currently has. (Check all that apply.)

- ρ₁ Federal (e.g., Title I, Perkins) 1481/
 ρ₂ State 1482/
 ρ₃ Local 1483/
 ρ₄ Private (e.g., philanthropic, non-profit, for-profit, foundation) 1484/
 ρ₅ Other (Please specify): _____ 1485/
 1486-1487/

- 3b. For the types of funding sources identified above, please indicate below the name of the funding source (column A), the annual amount of the funding (column B), the duration of the funding in months (column C), and the total funding amount (column D). Round all dollar amounts to whole numbers.

	A.	B.	C.	D.
	Name of funding source	Amount of funding per year	Duration of funding (months)	Total funding amount
<i>Example:</i>	Comprehensive School Reform Demonstration	\$25,000	24	\$50,000
	_____	\$ _____	_____	\$ _____
	1488-1489/	1490-1496/	1497-1498/	1499-1505/
	_____	\$ _____	_____	\$ _____
	1506-1507/	1508-1514/	1515-1516/	1517-1523/
	_____	\$ _____	_____	\$ _____
	1524-1525/	1526-1532/	1533-1534/	1535-1541/
	_____	\$ _____	_____	\$ _____
	1542-1543/	1544-1550/	1551-1552/	1553-1559/
	_____	\$ _____	_____	\$ _____
	1560-1561/	1562-1568/	1569-1570/	1571-1577/

C. Faculty/Staff Information

1. What percentage of instructional staff are involved in the SLC program?

_____ %

1578-1580/

2. During the 2001-2002 school year (including summer 2001), on average, what was the number of hours of professional development specific to the SLC program that each of your teachers received?

_____ hours per teacher

1581-1584/

3. What professional development opportunities were available during the 2001-2002 school year (including summer 2001) to staff who participate in the SLC program? Please indicate the percentage of SLC teachers who participated in each professional development opportunity listed below. (*Please check one per row.*)

	0-25%	26-50%	51-75%	76-100%	Not available	
<i>Pedagogical techniques</i>						
a. Cooperative learning techniques	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1585/
b. Tailoring instruction to individual needs	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1586/
c. Problem solving/reasoning instructional methods	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1587/
d. Project-based instruction	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1588/
e. Team-teaching methods	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1589/
f. New approaches to student assessment	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1590/
g. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1593/
<hr/>						
1591-1592/						
<i>Content</i>						
a. Subject matter content (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1596/
<hr/>						
1594-1595/						
b. Adoption of SLC-specific curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1597/
c. Interdisciplinary projects	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1598/
d. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1601/
<hr/>						
1599-1600/						
<i>Student supports</i>						
a. Mentoring strategies	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1602/
b. Conflict resolution	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1603/
c. Strategies for helping low-achieving students	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1604/
d. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1607/
<hr/>						
1605-1606/						

4. In the first three columns, please indicate the extent to which your school has staffing needs in each of the following areas. In the second three columns, indicate whether your school's staffing needs have changed as a result of implementing an SLC program.

	Staffing area:	School staffing needs			Change because of SLC program				
		No need	Some need	Great need	Decreased	Unchanged	Increased		
a.	Guidance counselors and/or other professional support staff	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1608/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1609/</small>
b.	Core academic subject teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1610/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1611/</small>
c.	Elective academic subject teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1612/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1613/</small>
d.	Vocational subject teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1614/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1615/</small>
e.	Special education	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1616/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1617/</small>
f.	Bilingual education	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1618/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1619/</small>
g.	Other (Please specify):	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<small>1622/</small>	<input type="radio"/> 4	<input type="radio"/> 5	<input type="radio"/> 6	<small>1623/</small>
					<small>1620-1621/</small>				

D. Student-Staff Relationships

1. Within the SLC program, do students have adult mentors with whom they are formally paired?

- ρ_1 Yes, there is a formal pairing process (Answer question 1a) 1624/
 ρ_2 No, there is no formal pairing program, although informal mentoring may take place (Skip to Section E)

1a. Who are your students' mentors? (Check all that apply.)

- ρ_1 Teachers 1625/
 ρ_2 Administrators 1626/
 ρ_3 Athletic coaches/Activity leaders 1627/
 ρ_4 Guidance counselors 1628/
 ρ_5 Other school staff 1629/
 ρ_6 Adults from outside the school (e.g., local employers, community

members) (Please specify): _____
1630/
1631-1632/

E. Academic and Non-Academic Aspects of the SLC/School

1. Have course offerings in your school changed since you began implementing your SLC program?

- ρ_1 Yes (Answer questions 1a and 1b) 1633/
 ρ_2 No (Skip to question 2)

1a. How has the **number** of course offerings in your school changed? (Check all that apply.)

	Fewer	Same number	More	Don't know	
a. Academic courses	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	1634/
b. Career/Applied knowledge courses	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	1635/
c. Courses that integrate academic and vocational instruction	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	1636/
d. Courses specific to SLC theme	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	1637/

1b. What other changes have been made in school-wide course offerings, if any? (Check all that apply.)

- ρ_1 Greater variety within the same number of courses 1638/
 ρ_2 Different teachers teaching existing courses 1639/
 ρ_3 More sections within the existing number of courses 1640/
 ρ_4 More homogeneous student groupings 1641/
 ρ_5 More heterogeneous student groupings 1642/

2. During the 2001-2002 school year, which of the following opportunities were available solely to students in your SLC program (column A), and which opportunities were available to students schoolwide (column B)? (Check all that apply.)

	A SLC only		B Schoolwide	
a. Job shadowing	<input type="radio"/> 1	1643/	<input type="radio"/> 2	1644/
b. Internships	<input type="radio"/> 1	1645/	<input type="radio"/> 2	1646/
c. Community service learning	<input type="radio"/> 1	1647/	<input type="radio"/> 2	1648/
d. Residency/Apprenticeships	<input type="radio"/> 1	1649/	<input type="radio"/> 2	1650/
e. Cross-curricular or interdisciplinary activities	<input type="radio"/> 1	1651/	<input type="radio"/> 2	1652/
f. None of the above	<input type="radio"/> 1	1653/	<input type="radio"/> 2	1654/
j. Other (Please specify): _____	<input type="radio"/> 1	1657/	<input type="radio"/> 2	1658/

1655-1656/

3. What kinds of assessment are used throughout your whole school? (Check all that apply.)

ρ_1	Standardized assessments: state-mandated	1659/
ρ_2	Standardized assessments: district-mandated	1660/
ρ_3	Portfolios	1661/
ρ_4	Performance-based assessment, including exhibition	1662/
ρ_5	Student self-assessment	1663/
ρ_6	End-of-course assessment	1664/
ρ_7	Other (Please specify): _____	1665/ 1666-1667/

4. Which of the following are required for graduation within the SLC program (column A) and schoolwide (column B)? (Check all that apply.)

	A Required within the SLC		B Required schoolwide	
a. Standardized testing: district mandated	O 1	1668/	O 2	1669/
b. Standardized testing: state-mandated	O 1	1670/	O 2	1671/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	1672/	O 2	1673/
d. Academic course requirements (e.g., set number of required courses in academic areas)	O 1	1674/	O 2	1675/
e. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	O 1	1676/	O 2	1677/
f. Overall number of course credits with passing grades	O 1	1678/	O 2	1679/
g. Student self-assessment	O 1	1680/	O 2	1681/
h. Co-op or credit for work	O 1	1682/	O 2	1683/
i. Service learning and/or volunteer work requirement	O 1	1684/	O 2	1685/
j. Other (Please specify): _____	O 1	1688/	O 2	1689/

1686-1687/

5. How have parents/families been involved with your SLC program and/or your school? Please indicate if this involvement has been specific to the SLC program (column A) or to the whole school (column B). (Check all that apply.)

	A Specific to SLC program		B Schoolwide	
a. No formal parental/family input	O 1	1690/	O 2	1691/
b. Attend student-centered events	O 1	1692/	O 2	1693/
c. Provide permission for child's assignments	O 1	1694/	O 2	1695/
d. Work with school personnel to devise students' course enrollment plans	O 1	1696/	O 2	1697/
e. Serve as mentors	O 1	1698/	O 2	1699/
f. Serve as in-school volunteers (e.g., classroom- or school-level volunteers)	O 1	1700/	O 2	1701/
g. Participate in school governance (e.g., membership in site council or school improvement team)	O 1	1702/	O 2	1703/
h. Participate in parent-teacher organization/association (e.g., PTA)	O 1	1704/	O 2	1705/
i. Other (Please specify):	O 1	1708/	O 2	1709/

1706-1707/

6. Do you have external partners, such as local business or universities, that work exclusively with your SLC program?

ρ_1 Yes (Answer question 6a) 1710/
 ρ_2 No (Go to Section F)

- 6a. Who are your external partners? (Check all that apply.)

ρ_1 Higher education institutions 1711/
 ρ_2 Businesses/Local employers 1712/
 ρ_3 Community-based organizations 1713/
 ρ_4 Individual community members 1714/
 ρ_5 Other (Please specify): _____ 1715/
1716-1717/

F. Effects of the SLC

1. SLCs are designed to have certain outcomes. What impact do you perceive your school's SLC program has had on each of the following outcomes so far? (Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1718/
b. Academic course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1719/
c. Vocational course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1720/
d. Academic achievement among at-risk students	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1721/
e. Promotion rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1722/
f. High school graduation rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1723/
g. SAT/ACT test-taking rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1724/
h. Acquisition of technical skills	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1725/
i. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1728/

1726-1727/

Student behavioral/attitudinal outcomes

a. Absenteeism	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1729/
b. Dropout rate	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1730/
c. Incidence of student violence	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1731/
d. Participation rates in extracurricular activities	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1732/
e. Student tardiness	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1733/
f. Student motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1734/
g. Student morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1735/
h. Student-teacher relationships/interaction	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1736/
i. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1739/

1737-1738/

Teacher and parent outcomes

a. Teacher attendance	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1740/
b. Teacher motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1741/
c. Teacher collaboration	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1742/
d. Teacher morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1743/
e. Level of parental/family involvement in school	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1744/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1747/

1745-1746/

II. Background Information About You and Your School

1. How long have you been a principal?

_____ years

1748-1749/

2. How long have you been a principal at this school?

_____ years

1750-1751/

3. Is your school currently implementing reform efforts in any of the following areas? (*Check all that apply.*) For those checked, please provide the date started. Are the reforms state- or district-mandated, or are they voluntary? Are they coordinated with your SLC program?

**FOR EACH REFORM CHECKED IN COLUMN A,
PLEASE COMPLETE COLUMNS B-F**

	A	B	C	D	E	F
Type of reform	Imple- menting this reform	Date started (mm/yyyy)	State- mandated	District- mandated	Volun- tary parti- cipation	Coordinated with SLC (e.g., common design and implemen- tation)
a. Curriculum reforms	O 1 1752/	_____/_____ 1753-1758/	O 2 1759/	O 3 1760/	O 4 1761/	O 5 1762/
b. Standards-based reforms	O 1 1763/	_____/_____ 1764-1769/	O 2 1770/	O 3 1771/	O 4 1772/	O 5 1773/
c. Discipline and safety reforms	O 1 1774/	_____/_____ 1775-1780/	O 2 1781/	O 3 1782/	O 4 1783/	O 5 1784/
d. School climate reforms	O 1 1785/	_____/_____ 1786-1791/	O 2 1792/	O 3 1793/	O 4 1794/	O 5 1795/
e. Comprehensive high school reform model (e.g., High Schools That Work, Coalition of Essential Schools, Talent Development High School)	O 1 1796/	_____/_____ 1797-1802/	O 2 1803/	O 3 1804/	O 4 1805/	O 5 1806/
f. Other (<i>Please specify</i>): _____	O 1 1809/	_____/_____ 1810-1815/	O 2 1816/	O 3 1817/	O 4 1818/	O 5 1819/
		1807-1808/				
g. None of the above	O 1 1820/					

4. During the 2001-2002 school year, which of the following statements describe your school? (Check all that apply.)

- | | | |
|----------|---|-------|
| ρ_1 | The school is organized into subject-based departments such as Mathematics, History, Fine Arts, and Technical Arts (e.g., woodworking) | 1821/ |
| ρ_2 | The school is organized in departments according to career pathways (e.g., photojournalism, technology, early childhood development) | 1822/ |
| ρ_3 | Courses in at least some core academic areas (English, math, science, social studies) are differentiated (i.e., “tracked” or “leveled”) | 1823/ |
| ρ_4 | Advanced placement (AP), International Baccalaureate (IB), or Cambridge Program (O and A levels) courses are available. | 1824/ |

5. Do you have external partners, such as local businesses or universities, that work with your whole school?

- | | | |
|----------|---|-------|
| ρ_1 | Yes (Answer question 6) | 1825/ |
| ρ_2 | No (END — Thank you for your time! If you have any comments or want to describe your SLC program activities more completely, please write below or on the back of this page.) | |

6. For each of the following, please indicate which benefits were provided by your school through partnership(s) with external entities this year? (Check all that apply.)

	Higher education institutions	Businesses/ Local employers	Community- based organiza- tions	Individual community members	Other (Please specify): 1826-1827
a. Provide school-to-work experiences (e.g., workplace visits, internships, job opportunities)	O 1 1828/	O 2 1829/	O 3 1830/	O 4 1831/	O 8 1832/
b. Serve as mentors or career advisors	O 1 1833/	O 2 1834/	O 3 1835/	O 4 1836/	O 8 1837/
c. Serve as in-school volunteers (e.g., classroom volunteers, schoolwide volunteers)	O 1 1838/	O 2 1839/	O 3 1840/	O 4 1841/	O 8 1842/
d. Participate in school governance (e.g., membership in site council or school improvement)	O 1 1843/	O 2 1844/	O 3 1845/	O 4 1846/	O 8 1847/
e. Interns and/or pre-service (student) teachers	O 1 1848/	O 2 1849/	O 3 1850/	O 4 1851/	O 8 1852/
f. Professional development (either on- or off-site)	O 1 1853/	O 2 1854/	O 3 1855/	O 4 1856/	O 8 1857/
g. Financial assistance for students (e.g., stipends, scholarships)	O 1 1858/	O 2 1859/	O 3 1860/	O 4 1861/	O 8 1862/
h. Donated equipment/supplies, including curricular materials	O 1 1863/	O 2 1864/	O 3 1865/	O 4 1866/	O 8 1867/
i. Donated facilities/space	O 1 1868/	O 2 1869/	O 3 1870/	O 4 1871/	O 8 1872/
j. Sponsor or participate in special events held at school (e.g., career days)	O 1 1873/	O 2 1874/	O 3 1875/	O 4 1876/	O 8 1877/
k. Other (Please specify):	O 1 1878/	O 2 1879/	O 3 1880/	O 4 1881/	O 8 1882/

1883-1884

THANK YOU FOR YOUR TIME! If you have any comments or want to describe your SLC program activities more completely, please write on the back of this page.

Implementation Study of Smaller Learning Communities: Periodic Implementation Survey of Schools, 2003

This survey is being conducted for the U.S. Department of Education as part of its effort to learn about the implementation of the federal Smaller Learning Communities (SLC) Program. The program represents a federal commitment to help school districts plan and implement both structures and strategies for creating smaller learning communities in high schools.

All principals of high schools that have received funds from the SLC Program are being asked to complete this survey, so your response is very important to us. This survey updates and adds to information contained in the previous survey (spring 2002). We estimate that the survey will take about 55 minutes to complete. You may find it useful to consult additional members of your school staff when completing specific questions or for help with the entire survey.

The survey has a number of separate sections on colored paper:

Career Academies (*lavender*)

Freshman Academies (*yellow*)

House Plans (*blue*)

Schools-within-a-School (*pink*)

Magnet Schools (*ivory*)

Other Strategies, including Block Scheduling, Career Clusters/Pathways, Adult Advocates/Mentors, Teacher Advisory Programs, and Teacher Teams (*orange*)

We are interested in the SLC structures and/or strategies that you were implementing **during the 2002`2003 school year**. These structures and strategies are defined on your instruction sheet and at the beginning of each section on colored paper. Please examine the definitions and then complete the section(s) that are appropriate for your school. **All schools should complete the last section titled "Your School" (white pages)**. If you have any questions about the sections of the survey you should complete, or any survey content questions, please contact Elizabeth Umbro, toll-free, at (866) 366-8413.

Please complete the following contact information to facilitate any necessary survey follow up.

Mailing label here [Avery no. 5160, 1 x 2-5/8 will fit JUST BARELY]

Please answer all the questions, and return the completed questionnaire in the enclosed prepaid FedEx envelope by November 10, 2003. All information that would permit identification of the individual respondent will be held in strict confidence, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any purpose, as required by law.

Thank you for your cooperation in completing this survey.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such a collection displays a valid OMB control number. The valid OMB control number for this information collection is 1875-0217. The time required to complete this information collection is estimated to average 55 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving this form, please write to: U.S. Department of Education, Washington, DC 20202-4651. If you have comments or concerns regarding the status of your individual submission of this form, write directly to: Planning and Evaluation Service, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202-4651.

On the following pages are different modules of questions (**each in a different color**) that pertain to the SLC strategies employed by your school. Please complete **all** questions in **each applicable** module, being certain to follow the instructions that are provided. You may wish to have other staff assist you with this task. Please note that throughout the survey, “2002-2003” refers to the 2002-2003 school year.

Career Academy Module

Please complete this module only if you were implementing one or more Career Academies in 2002-2003. Career Academies are one type of school-within-a-school that organize curricula around one or more careers or occupations. They integrate academic and occupation-related classes.

1. When did **implementation** of the first Career Academy begin?

___ / ___
(mm/yyyy)

9-14/

2. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation of your Career Academy as of the end of the 2002-2003 school year.

_____ %

15-17/

3. In the 2002-2003 school year, did you use federal SLC grant funds to support your Career Academy?

ρ_1 Yes
 ρ_2 No

18/

4. Is your implementation of Career Academies new as a result of the federal SLC program?

ρ_1 Yes (*Skip to Question 5*)
 ρ_2 No (*Answer Question 4a*)

19/

- 4a. Have you expanded previously existing Career Academies or added new ones as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

20/

5. What percentage of the students at your school at each grade level participated in Career Academies in 2002-2003?

_____ % of 9th graders	21-23/
_____ % of 10th graders	24-26/
_____ % of 11th graders	27-29/
_____ % of 12th graders	30-32/

The following question is about the different Career Academy groups in your school in 2002-2003.

6. Below we ask you to describe each of your Career Academy groups. There is space to describe up to four; if there are more than four, please describe the four largest here and answer Question 6a. Complete section A with the names of your Career Academy groups. In section B, please estimate the number of students in each Career Academy group. In section C, please provide the demographic characteristics of students in each Career Academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. **Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.**

Characteristics of Career Academy Groups

	1	2	3	4
A. Name	_____	_____	_____	_____
	33-37	38-42/	43-47/	48-52/
B. Student enrollment in 2002-2003	_____	_____	_____	_____
	53-56/	57-60/	61-64/	65-68/
C. Demographic characteristics				
Racial composition (%)				
a. Non-white	_____ %	_____ %	_____ %	_____ %
	69-71/	72-74/	75-77/	78-80/
b. White	_____ %	_____ %	_____ %	_____ %
	81-83/	84-86/	87-89/	90-92/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	93-95/	96-98/	99-101/	102-104/
b. Female	_____ %	_____ %	_____ %	_____ %
	105-107/	108-110/	111-113/	114-116/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	117-119/	120-122/	123-125/	126-128/
Special needs/students with disabilities (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	129-131/	132-134/	135-137/	138-140/

- 6a. If you had more than four Career Academy groups in 2002-2003, indicate below the name(s) and total student enrollments in 2002-2003 for all Career Academy groups not listed above.

<u>Name</u>	<u>Total Student Enrollment</u>
_____	_____
141-145/	146-149/
_____	_____
150-154/	155-158/
_____	_____
159-163/	164-167/

These questions ask about **all** Career Academies in your school.

7. In 2002-2003, were all students in grades 9-12 in the school **eligible** to participate in a Career Academy?

- ρ_1 Yes (*Skip to Question 8*) 168/
 ρ_2 No (*Answer Question 7a*)

- 7a. Which students were eligible to participate in a Career Academy? (*Check all that apply.*)

- ρ_1 Students in certain grades 169/
 ρ_2 Students interested in particular subject areas 170/
 ρ_3 Students with academic achievement above a certain level 171/
 ρ_4 Students with academic achievement below a certain level 172/
 ρ_5 Students who had completed pre-requisite courses 173/
 ρ_6 Other (*Please specify*): _____ 174/
 175-189/

8. In 2002-2003, did all students in grades 9-12 participate in a Career Academy?

- ρ_1 Yes (*Skip to Question 9*) 190/
 ρ_2 No (*Answer Question 8a*)

- 8a. How were students selected to participate in a Career Academy? (*Check all that apply.*)

- ρ_1 All students in certain grades participated 191/
 ρ_2 Students self-selected 192/
 ρ_3 Students were randomly assigned 193/
 ρ_4 The most qualified students were selected 194/
 ρ_5 Students with the greatest academic need were selected 195/
 ρ_6 Other (*Please specify*): _____ 186/
 197-211/

9. In 2002-2003, did your school's Career Academy program have its own: *(Check one in each row.)*

	Yes	No	
a. Budget	<input type="radio"/> 1	<input type="radio"/> 2	212/
b. Staff	<input type="radio"/> 1	<input type="radio"/> 2	213/
c. Instructional leadership teams	<input type="radio"/> 1	<input type="radio"/> 2	214/
d. Operating procedures	<input type="radio"/> 1	<input type="radio"/> 2	215/
e. Discipline policies	<input type="radio"/> 1	<input type="radio"/> 2	216/

10. In 2002-2003, was there a separate physical space set aside for students in the Career Academy program at your school?

- ρ_1 Not at all separate *(Skip to Question 11)* 217/
- ρ_2 Somewhat separate (e.g., some common facilities and/or some separate instructional areas) *(Answer Question 10a)*
- ρ_3 Entirely separate *(Answer Question 10a)*

10a. What percentage of time, on average, did students spend in the Career Academy area in a school day?

_____ % 218-220/

11. During the 2002-2003 school year, did teachers have common planning time for Career Academy program activities?

- ρ_1 Yes *(Answer Question 11a)* 221/
- ρ_2 No *(Skip to Question 12)*

11a. If yes, about how often did teachers in your school participate in common planning **related to the Career Academy program**?

- ρ_1 Less than once a month 222/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

12. During 2002-2003, were all teachers in the school assigned to teach within the Career Academy program?

- ρ_1 Yes (*Skip to Question 13*) 223/
- ρ_2 No (*Answer Question 12a*)

12a. How were teachers assigned? (*Check all that apply*)

- ρ_1 Teachers volunteered 224/
- ρ_2 Teachers were assigned because of content expertise 225/
- ρ_3 Teachers were assigned because of interest/motivation 226/
- ρ_4 Teachers were assigned due to staffing needs 227/
- ρ_5 Teachers were assigned based on seniority 228/
- ρ_6 Other (*Please specify*): _____ 229/

230-244/

13. In the 2002-2003 school year, did students enrolled in each Career Academy take all of their courses within their own Career Academy?

- ρ_1 Yes (*Skip to Question 14*) 245/
- ρ_2 No (*Answer Question 13a*)

13a. What percentage of students' course load, on average, was taken within the Career Academy?

_____ % 246-248/

14. In Column A, please indicate whether the following types of courses were offered in your Career Academy in 2002-2003. (*Check one per row in Column A.*) In Column B, please indicate whether the **number** of course offerings for students in the Career Academy has changed since SLC funding began. (*Check one per row.*)

	A			B			
	Courses offered in 2002-2003			Course offerings have changed since SLC funding began			
	Yes	No		Fewer	No change	More	
a. Career/Applied knowledge courses	ρ_1	ρ_2	249/	ρ_3	ρ_4	ρ_5	250/
b. Courses that integrate academic and vocational instruction	ρ_1	ρ_2	251/	ρ_3	ρ_4	ρ_5	252/
c. Courses specific to SLC theme	ρ_1	ρ_2	253/	ρ_3	ρ_4	ρ_5	254/

15. In Column A, please indicate whether the following kinds of assessments were utilized in the Career Academy program in 2002-2003. In Column B, please indicate whether any of these were new since federal SLC funding was received. (Check one per row in Column A and one per row in Column B for each assessment that was utilized.)

	A			B		
	Utilized in 2002-2003?			New since SLC funding?		
	Yes	No		Yes	No	
a. Standardized testing: district mandated	<input type="radio"/> 1	<input type="radio"/> 2	255/	<input type="radio"/> 3	<input type="radio"/> 4	256/
b. Standardized testing: state-mandated	<input type="radio"/> 1	<input type="radio"/> 2	257/	<input type="radio"/> 3	<input type="radio"/> 4	258/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	259/	<input type="radio"/> 3	<input type="radio"/> 4	260/
d. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	261/	<input type="radio"/> 3	<input type="radio"/> 4	262/
e. End-of-course assessment	<input type="radio"/> 1	<input type="radio"/> 2	263/	<input type="radio"/> 3	<input type="radio"/> 4	264/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	265/	<input type="radio"/> 3	<input type="radio"/> 4	266/
_____ 267-281/						

16. Were any of the following required for graduation within the Career Academy in 2002-2003? (*Check one per row.*)

	Yes	No	
a. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	282/
b. Academic course requirements (e.g., set number of required courses in academic areas)	<input type="radio"/> 1	<input type="radio"/> 2	283/
c. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	<input type="radio"/> 1	<input type="radio"/> 2	284/
d. Overall number of course credits with passing grades	<input type="radio"/> 1	<input type="radio"/> 2	285/
e. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	286/
f. Co-op or credit for work	<input type="radio"/> 1	<input type="radio"/> 2	287/
g. Service learning and/or volunteer work requirement	<input type="radio"/> 1	<input type="radio"/> 2	288/
h. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	289/
_____ 290-304/			

17. During the 2002-2003 school year, were any of the following opportunities available solely to students in your Career Academy? (*Check one per row.*)

	Yes	No	
a. Job shadowing	O 1	O 2	305/
b. Internships	O 1	O 2	306/
c. Community service learning	O 1	O 2	307/
d. Residency/Apprenticeships	O 1	O 2	308/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	309/
f. Other (<i>Please specify</i>): _____	O 1	O 2	310/

311-325/

18. For each of the following, at which level were decisions made during 2002-2003? (*Check one per row.*)

	District-level decision only	District and school decision	School-level decision only	School and Career Academy decision	Career Academy decision only	
a. Career Academy course offerings/ curriculum	O 1	O 2	O 3	O 4	O 5	326/
b. Selection of Career Academy instructional materials	O 1	O 2	O 3	O 4	O 5	327/
c. Assignment of students to teachers	O 1	O 2	O 3	O 4	O 5	328/
d. Student promotion and graduation decisions	O 1	O 2	O 3	O 4	O 5	329/
e. Selection of professional development topics specific to the Career Academy	O 1	O 2	O 3	O 4	O 5	330/
f. Career Academy schedule (e.g., daily timetable weekly schedule)	O 1	O 2	O 3	O 4	O 5	331/
g. Career Academy organization	O 1	O 2	O 3	O 4	O 5	332/
h. Overall Career Academy budget	O 1	O 2	O 3	O 4	O 5	333/
i. Allocations within Career Academy budget(s)	O 1	O 2	O 3	O 4	O 5	334/
j. Hiring for Career Academy positions	O 1	O 2	O 3	O 4	O 5	335/

19. SLCs are designed to have certain outcomes. What impact do you perceive your school's Career Academy has had on each of the following outcomes for its students up through the 2002-2003 school year? (Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	336/
b. Academic course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	337/
c. Vocational course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	338/
d. Academic achievement among at-risk students	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	339/
e. Promotion rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	340/
f. High school graduation rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	341/
g. SAT/ACT test-taking rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	342/
h. Acquisition of technical skills	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	343/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	344/
b. Dropout rate	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	345/
c. Incidence of student violence	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	346/
d. Participation rates in extracurricular activities	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	347/
e. Student tardiness	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	348/
f. Student motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	349/
g. Student morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	350/
h. Student-teacher relationships/interaction	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	351/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	352/
b. Teacher motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	353/
c. Teacher collaboration	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	354/
d. Teacher morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	355/
e. Level of parental/family involvement in school	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	356/

Upon finishing this module, please proceed to the next applicable module or to the remaining questions that appear on the white pages at the back of the survey, labeled "Your School".

Freshman Academy Module

Please complete this module only if you were implementing one or more Freshman Academies in 2002-2003.

Freshman Academies, also called Ninth Grade Academies or Freshman Transition Activities, are designed to bridge middle and high school so that students may become accustomed to high school more easily. They also respond to the high ninth-grade dropout rate experienced by some high schools.

1. When did **implementation** of the first Freshman Academy begin?

___ / ____
(mm/yyyy)

357-362/

2. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation of your Freshman Academy as of the end of the 2002-2003 school year.

_____ %

363-365/

3. In the 2002-2003 school year, did you use federal SLC grant funds to support your Freshman Academy?

ρ_1 Yes
 ρ_2 No

366/

4. Is your implementation of Freshman Academies new as a result of the federal SLC program?

ρ_1 Yes (*Skip to Question 5*)
 ρ_2 No (*Answer Question 4a*)

367/

- 4a. Have you expanded previously existing Freshman Academies or added new ones as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

368/

5. In 2002-2003, did all 9th grade students (including repeaters) participate in Freshman Academies?

ρ_1 Yes (*Skip to Question 6*)
 ρ_2 No (*Answer Question 5a*)

369/

- 5a. Did all 9th grade students except repeaters participate in Freshman Academies?
- ρ₁ Yes (*Skip to Question 6*) 370/
 ρ₂ No (*Answer Questions 5b and 5c*)
- 5b. Which students were eligible to participate in a Freshman Academy? (*Check all that apply*)
- ρ₁ Students interested in particular subject areas 371/
 ρ₂ Students with academic achievement above a certain level 372/
 ρ₃ Students with academic achievement below a certain level 373/
 ρ₄ Students who had completed pre-requisite courses 374/
 ρ₅ Other (*Please specify*): _____ 375/
 376-390/
- 5c. How were students **selected** to participate in the Freshman Academies that have been implemented at your school?
- ρ₁ Students self-selected 391/
 ρ₂ Students were randomly assigned 392/
 ρ₃ The most qualified students were selected 393/
 ρ₄ Students with the greatest academic need were selected 394/
 ρ₅ Other (*Please specify*): _____ 395/
 396-410/

The following question is about the different Freshman Academy groups in your school in 2002-2003.

6. Below we ask you to describe each of your Freshman Academy groups. There is space to describe up to four; if there are more than four, please describe the four largest here and answer Question 6a. Complete section A with the names of your Freshman Academy groups. In section B, please estimate the number of students in each Freshman Academy group. In section C, please provide the demographic characteristics of students in each Freshman Academy. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. **Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.**

Characteristics of Freshman Academy Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	411-415/	416-420/	421-425/	426-430/
B. Student enrollment in 2002-2003	_____	_____	_____	_____
	431-434/	435-438/	439-442/	443-446/
C. Demographic characteristics				
Racial composition (%)				
a. Non-white	_____ %	_____ %	_____ %	_____ %
	447-449/	450-452/	453-455/	456-458/
b. White	_____ %	_____ %	_____ %	_____ %
	459-461/	462-464/	465-467/	468-470/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	471-473/	474-476/	477-479/	480-482/
b. Female	_____ %	_____ %	_____ %	_____ %
	483-485/	486-488/	489-491/	492-494/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	495-497/	498-500/	501-503/	504-506/
Special needs/students with disabilities (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	507-509/	510-512/	513-515/	516-518/

- 6a. If you had more than four Freshman Academy groups in 2002-2003, indicate below the name(s) and total student enrollments in 2002-2003 for all Freshman Academy groups not listed above.

<u>Name</u>	<u>Total Student Enrollment</u>
_____	_____
519-523/	524-527/
_____	_____
528-532/	533-536/
_____	_____
537-541/	542-545/

These questions ask about **all** Freshman Academies in your school.

- 7 In 2002-2003, did your school's Freshman Academy program have its own: (*Check one in each row.*)

	Yes	No	
a. Budget	O 1	O 2	546/
b. Staff	O 1	O 2	547/
c. Instructional leadership teams	O 1	O 2	548/
d. Operating procedures	O 1	O 2	549/
e. Discipline policies	O 1	O 2	550/

8. In 2002-2003, was there a separate physical space set aside for students in the Freshman Academy program at your school?

- ρ_1 Not at all separate (*Skip to Question 9*) 551/
- ρ_2 Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (*Answer Question 8a*)
- ρ_3 Entirely separate (*Answer Question 8a*)

- 8a. What percentage of time, on average, did students spend in the Freshman Academy area in a school day?

_____ % 552-554/

9. During the 2002-2003 school year, did teachers have common planning time for Freshman Academy program activities?

- ρ_1 Yes (*Answer Question 9a*) 555/
- ρ_2 No (*Skip to Question 10*)

9a. If yes, about how often did teachers in your school participate in common planning **related to the Freshman Academy program**?

- ρ_1 Less than once a month 556/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

10. During 2002-2003, were all teachers in the school assigned to teach within the Freshman Academy program?

- ρ_1 Yes (*Skip to Question 11*) 557/
- ρ_2 No (*Answer Question 10a*)

10a. How were teachers assigned? (*Check all that apply*)

- ρ_1 Teachers volunteered 558/
 - ρ_2 Teachers were assigned because of content expertise 559/
 - ρ_3 Teachers were assigned because of interest/motivation 560/
 - ρ_4 Teachers were assigned due to staffing needs 561/
 - ρ_5 Teachers were assigned based on seniority 562/
 - ρ_6 Other (*Please specify*): _____ 563/
- 564-578/

11. In the 2002-2003 school year, did students enrolled in each Freshman Academy take all of their courses within their own Freshman Academy?

- ρ_1 Yes (*Skip to Question 12*) 579/
- ρ_2 No (*Answer Question 11a*)

11a. What percentage of students' courseload, on average, was taken within the Freshman Academy?

_____ % 580-582/

12. Were courses **specific to the SLC theme** offered in your Freshman Academy in 2002-2003?

- ρ_1 Yes (*Answer Question 12a*) 583/
 ρ_2 No (*Skip to Question 13*)

12a. How has the number of course offerings specific to the SLC theme changed since SLC funding began? (*Check one*)

- ρ_1 Fewer courses offered 584/
 ρ_2 No change in course offerings 585/
 ρ_3 More courses offered 586/

13. In Column A, please indicate whether the following kinds of assessments were utilized in the Freshman Academy program in 2002-2003. In Column B, please indicate whether any of these were new since federal SLC funding was received. (*Check one per row in Column A and one per row in Column B for each assessment that was utilized.*)

	A			B		
	Utilized in 2002-2003?			New since SLC funding?		
	Yes	No		Yes	No	
a. Standardized testing: district mandated	O_1	O_2	587/	O_3	O_4	588/
b. Standardized testing: state-mandated	O_1	O_2	589/	O_3	O_4	590/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O_1	O_2	591/	O_3	O_4	592/
d. Student self-assessment	O_1	O_2	593/	O_3	O_4	594/
e. End-of-course assessment	O_1	O_2	595/	O_3	O_4	596/
f. Other (<i>Please specify</i>):	O_1	O_2	597/	O_3	O_4	598/

599-613/

14. Were any of the following required for graduation within the Freshman Academy in 2002-2003?
(Check one per row.)

	Yes	No	
a. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	O 2	614/
b. Academic course requirements (e.g., set number of required courses in academic areas)	O 1	O 2	615/
c. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	O 1	O 2	616/
d. Overall number of course credits with passing grades	O 1	O 2	617/
e. Student self-assessment	O 1	O 2	618/
f. Co-op or credit for work	O 1	O 2	619/
g. Service learning and/or volunteer work requirement	O 1	O 2	620/
h. Other <i>(Please specify):</i> _____	O 1	O 2	621/

622-636/

15. During the 2002-2003 school year, were any of the following opportunities available solely to students in your Freshman Academy? *(Check one per row.)*

	Yes	No	
a. Job shadowing	O 1	O 2	637/
b. Internships	O 1	O 2	638/
c. Community service learning	O 1	O 2	639/
d. Residency/Apprenticeships	O 1	O 2	640/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	641/
f. Other <i>(Please specify):</i> _____	O 1	O 2	642/

643-657/

16. For each of the following, at which level were decisions made during 2002-2003? (*Check one per row.*)

	District-level decision only	District and school decision	School-level decision only	School and Freshman Academy decision	Freshman Academy decision only	
a. Freshman Academy course offerings/ curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	658/
b. Selection of Freshman Academy instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	659/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	660/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	661/
e. Selection of professional development topics specific to the Freshman Academy	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	662/
f. Freshman Academy schedule (e.g., daily timetable weekly schedule)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	663/
g. Freshman Academy organization	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	664/
h. Overall Freshman Academy budget	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	665/
i. Allocations within Freshman Academy budget(s)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	666/
j. Hiring for Freshman Academy positions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	667/

17. SLCs are designed to have certain outcomes. What impact do you perceive your school's Freshman Academy has had on each of the following outcomes for its students up through the 2002-2003 school year? (Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	668/
b. Academic course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	669/
c. Vocational course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	670/
d. Academic achievement among at-risk students	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	671/
e. Promotion rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	672/
f. High school graduation rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	673/
g. SAT/ACT test-taking rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	674/
h. Acquisition of technical skills	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	675/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	676/
b. Dropout rate	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	677/
c. Incidence of student violence	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	678/
d. Participation rates in extracurricular activities	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	679/
e. Student tardiness	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	680/
f. Student motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	681/
g. Student morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	682/
h. Student-teacher relationships/interaction	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	683/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	684/
b. Teacher motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	685/
c. Teacher collaboration	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	686/
d. Teacher morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	687/
e. Level of parental/family involvement in school	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	688/

Upon finishing this module, please proceed to the next applicable module or to the remaining questions that appear on the white pages at the back of the survey, labeled "Your School".

House Plan Module

Please complete this module only if you were implementing one or more House Plans in 2002-2003. House Plans are comprised of students assembled across grades and assigned to groups of a few hundred each. Each House has its own disciplinary policy, student activity program, student government, and social activities. Students take some or all courses with their House members and from their House teachers.

1. When did **implementation** of the first House Plan begin?

___ / ____
(mm/yyyy)

689-694/

2. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation of your House Plan as of the end of the 2002-2003 school year.

_____ %

695-697/

3. In the 2002-2003 school year, did you use federal SLC grant funds to support your House Plan?

ρ_1 Yes
 ρ_2 No

698/

4. Is your implementation of House Plans new as a result of the federal SLC program?

ρ_1 Yes (*Skip to Question 5*)
 ρ_2 No (*Answer Question 4a*)

699/

- 4a. Have you expanded previously existing House Plans or added new ones as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

700/

5. In the 2002-2003 school year, what percentage of the students at your school at each grade level participated in House Plans?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

701-703/

704-706/

707-709/

710-712/

The following question is about the different House Plan groups in your school in 2002-2003.

6. Below we ask you to describe each of your House Plan groups. There is space to describe up to four; if there are more than four, please describe the four largest here and answer Question 6a. Complete section A with the names of your House Plan groups. In section B, please estimate the number of students in each House Plan group. In section C, please provide the demographic characteristics of students in each House Plan. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. **Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.**

Characteristics of House Plan Groups

	1	2	3	4
A. Name	_____	_____	_____	_____
	713-717/	718-722/	723-727/	728-732/
B. Student enrollment in 2002-2003	_____	_____	_____	_____
	733-736/	737-740/	741-744/	745-748/
C. Demographic characteristics				
Racial composition (%)				
a. Non-white	_____ %	_____ %	_____ %	_____ %
	749-751/	752-754/	755-757/	758-760/
b. White	_____ %	_____ %	_____ %	_____ %
	761-763/	764-766/	767-769/	770-772/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	773-775/	776-778/	779-781/	782-784/
b. Female	_____ %	_____ %	_____ %	_____ %
	785-787/	788-790/	791-793/	794-796/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	797-799/	800-802/	803-805/	806-808/
Special needs/students with disabilities (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	809-811/	812-814/	815-817/	818-820/

- 6a. If you had more than four House Plan groups in 2002-2003, indicate below the name(s) and total student enrollments in 2002-2003 for all House Plan groups not listed above.

<u>Name</u>	<u>Total Student Enrollment</u>
_____	_____
821-825/	826-829/
_____	_____
830-834/	835-838/
_____	_____
839-843/	844-847/

These questions ask about **all** House Plans in your school.

7. In 2002-2003, were all students in grades 9-12 in the school **eligible** to participate in the House Plan program?

- ρ_1 Yes (*Skip to Question 8*) 848/
- ρ_2 No (*Answer Question 7a*)

7a. Which students were eligible to participate in the House Plan program? (*Check all that apply.*)

- ρ_1 Students in certain grades 849/
- ρ_2 Students interested in particular subject areas 850/
- ρ_3 Students with academic achievement above a certain level 851/
- ρ_4 Students with academic achievement below a certain level 852/
- ρ_5 Students who had completed pre-requisite courses 853/
- ρ_6 Other (*Please specify*): _____ 854/

855-869/

8. In 2002-2003, did all students in grades 9-12 participate in the House Plan program?

- ρ_1 Yes (*Skip to Question 9*) 870/
- ρ_2 No (*Answer Question 8a*)

8a. How were students selected to participate in the House Plan program? (*Check all that apply.*)

- ρ_1 All students in certain grades participated 871/
- ρ_2 Students self-selected 872/
- ρ_3 Students were randomly assigned 873/
- ρ_4 The most qualified students were selected 874/
- ρ_5 Students with the greatest academic need were selected 875/
- ρ_6 Other (*Please specify*): _____ 876/

877-891/

9. In 2002-2003, did your school's House Plan program have its own: (*Check one in each row.*)

	Yes	No	
a. Budget	<input type="radio"/> 1	<input type="radio"/> 2	892/
b. Staff	<input type="radio"/> 1	<input type="radio"/> 2	893/
c. Instructional leadership teams	<input type="radio"/> 1	<input type="radio"/> 2	894/
d. Operating procedures	<input type="radio"/> 1	<input type="radio"/> 2	895/
e. Discipline policies	<input type="radio"/> 1	<input type="radio"/> 2	896/

10. In 2002-2003, was there a separate physical space set aside for students in the House Plan program at your school?

- ρ_1 Not at all separate (*Skip to Question 11*) 897/
- ρ_2 Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (*Answer Question 10a*)
- ρ_3 Entirely separate (*Answer Question 10a*)

10a. What percentage of time, on average, did students spend in the House Plan area in a school day?

_____ % 898-900/

11. During the 2002-2003 school year, did teachers have common planning time for House Plan program activities?

- ρ_1 Yes (*Answer Question 11a*) 901/
- ρ_2 No (*Skip to Question 12*)

11a. If yes, about how often did teachers in your school participate in common planning **related to the House Plan program**?

- ρ_1 Less than once a month 902/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

12. During 2002-2003, were all teachers in the school assigned to teach within the House Plan program?

- ρ_1 Yes (*Skip to Question 13*) 903/
- ρ_2 No (*Answer Question 12a*)

12a. How were teachers assigned? (*Check all that apply*)

- ρ_1 Teachers volunteered 904/
- ρ_2 Teachers were assigned because of content expertise 905/
- ρ_3 Teachers were assigned because of interest/motivation 906/
- ρ_4 Teachers were assigned due to staffing needs 907/
- ρ_5 Teachers were assigned based on seniority 908/
- ρ_6 Other (*Please specify*): _____ 909/

910-924/

13. In the 2002-2003 school year, did students enrolled in each House Plan take all of their courses within their own House Plan?

- ρ_1 Yes (*Skip to Question 14*) 925/
 ρ_2 No (*Answer Question 13a*)

13a. What percentage of students' courseload, on average, was taken within the House Plan?

_____ % 926-928/

14. Were courses **specific to the SLC theme** offered in your House Plan program in 2002-2003?

- ρ_1 Yes (*Answer Question 14a*) 929/
 ρ_2 No (*Skip to Question 15*)

14a. How has the number of course offerings specific to the SLC theme changed since SLC funding began? (*Check one*)

- ρ_1 Fewer courses offered 930/
 ρ_2 No change in course offerings 931/
 ρ_3 More courses offered 932/

15. In Column A, please indicate whether the following kinds of assessments were utilized in the House Plan program in 2002-2003. In Column B, please indicate whether any of these were new since federal SLC funding was received. (*Check one per row in Column A and one per row in Column B for each assessment that was utilized.*)

	A			B		
	Utilized in 2002-2003?			New since SLC funding?		
	Yes	No		Yes	No	
a. Standardized testing: district mandated	<input type="radio"/> 1	<input type="radio"/> 2	933/	<input type="radio"/> 3	<input type="radio"/> 4	934/
b. Standardized testing: state-mandated	<input type="radio"/> 1	<input type="radio"/> 2	935/	<input type="radio"/> 3	<input type="radio"/> 4	936/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	937/	<input type="radio"/> 3	<input type="radio"/> 4	938/
d. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	939/	<input type="radio"/> 3	<input type="radio"/> 4	940/
e. End-of-course assessment	<input type="radio"/> 1	<input type="radio"/> 2	941/	<input type="radio"/> 3	<input type="radio"/> 4	942/
f. Other (<i>Please specify</i>):	<input type="radio"/> 1	<input type="radio"/> 2	943/	<input type="radio"/> 3	<input type="radio"/> 4	944/

945-959/

16. Were any of the following required for graduation within the House Plan in 2002-2003?
(Check one per row.)

	Yes	No	
a. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	O 2	960/
b. Academic course requirements (e.g., set number of required courses in academic areas)	O 1	O 2	961/
c. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	O 1	O 2	962/
d. Overall number of course credits with passing grades	O 1	O 2	963/
e. Student self-assessment	O 1	O 2	964/
f. Co-op or credit for work	O 1	O 2	965/
g. Service learning and/or volunteer work requirement	O 1	O 2	966/
h. Other <i>(Please specify):</i> _____	O 1	O 2	967/
			968-982/

17. During the 2002-2003 school year, were any of the following opportunities available solely to students in your House Plan? *(Check one per row.)*

	Yes	No	
a. Job shadowing	O 1	O 2	983/
b. Internships	O 1	O 2	984/
c. Community service learning	O 1	O 2	985/
d. Residency/Apprenticeships	O 1	O 2	986/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	987/
f. Other <i>(Please specify):</i> _____	O 1	O 2	988/
			989-1003/

18. For each of the following, at which level were decisions made during 2002-2003? (*Check one per row.*)

	District-level decision only	District and school decision	School-level decision only	School and House Plan decision	House Plan decision only	
a. House Plan course offerings/ curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1004/
b. Selection of House Plan instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1005/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1006/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1007/
e. Selection of professional development topics specific to the House Plan	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1008/
f. House Plan schedule (e.g., daily timetable weekly schedule)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1009/
g. House Plan organization	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1010/
h. Overall House Plan budget	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1011/
i. Allocations within House Plan budget(s)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1012/
j. Hiring for House Plan positions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1013/

19. SLCs are designed to have certain outcomes. What impact do you perceive your school's House Plan has had on each of the following outcomes for its students up through the 2002-2003 school year?
(Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1014/
b. Academic course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1015/
c. Vocational course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1016/
d. Academic achievement among at-risk students	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1017/
e. Promotion rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1018/
f. High school graduation rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1019/
g. SAT/ACT test-taking rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1020/
h. Acquisition of technical skills	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1021/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1022/
b. Dropout rate	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1023/
c. Incidence of student violence	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1024/
d. Participation rates in extracurricular activities	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1025/
e. Student tardiness	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1026/
f. Student motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1027/
g. Student morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1028/
h. Student-teacher relationships/interaction	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1029/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1030/
b. Teacher motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1031/
c. Teacher collaboration	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1032/
d. Teacher morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1033/
e. Level of parental/family involvement in school	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1034/

Upon finishing this module, please proceed to the next applicable module or to the remaining questions that appear on the white pages at the back of the survey, labeled "Your School".

School-within-a-School Module

Please complete this module only if you were implementing one or more Schools-within-a-School in 2003-2003.

Schools-within-a-School break large schools into individual schools. Individual schools are multi-age and may be organized around a theme; they are separate and autonomous units with their own personnel, budgets, and programs. Schools-within-a-School operate within a larger school, sharing resources and facilities. Students and faculty affiliate with one School-within-a-School.

1. When did **implementation** of the first School-within-a-School begin?

___ / ____
(mm/yyyy)

1035-1040/

2. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation of your School(s)-within-a-School as of the end of the 2002-2003 school year.

_____ %

1041-1043/

3. In the 2002-2003 school year, did you use federal SLC grant funds to support your School(s)-within-a-School?

ρ_1 Yes
 ρ_2 No

1044/

4. Is your implementation of School(s)-within-a-School new as a result of the federal SLC program?

ρ_1 Yes (*Skip to Question 5*)
 ρ_2 No (*Answer Question 4a*)

1045/

- 4a. Have you expanded previously existing Schools-within-a-School or added new ones as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

1046/

5. In the 2002-2003 school year, what percentage of the students at your school at each grade level participated in Schools-within-a-School?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

1047-1049/

1050-1052/

1053-1055/

1056-1058/

The following question is about the different School-within-a-School groups in your school in 2002-2003.

6. Below we ask you to describe each of your School-within-a-School groups. There is space to describe up to four; if there are more than four, please describe the four largest here and answer Question 6a. Complete section A with the names of your School-within-a-School groups. In section B, please estimate the number of students in each School-within-a-School group. In section C, please provide the demographic characteristics of students in each School-within-a-School. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. **Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.**

Characteristics of School-within-a-School Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	1059-1063	1064-1068/	1069-1073/	1074-1078/
B. Student enrollment in 2002-2003	_____	_____	_____	_____
	1079-1082/	1083-1086/	1087-1090/	1091-1094/
C. Demographic characteristics				
Racial composition (%)				
a. Non-white	_____ %	_____ %	_____ %	_____ %
	1095-1097/	1098-1100/	1101-1103/	1104-1106/
b. White	_____ %	_____ %	_____ %	_____ %
	1107-1109/	1110-1112/	1113-1115/	1116-1118/
Gender (%)				
a. Male	_____ %	_____ %	_____ %	_____ %
	1119-1121/	1122-1124/	1125-1127/	1128-1130/
b. Female	_____ %	_____ %	_____ %	_____ %
	1131-1133/	1134-1136/	1137-1139/	1140-1142/
Language needs (%)				
Limited English proficient	_____ %	_____ %	_____ %	_____ %
	1143-1145/	1146-1148/	1149-1151/	1152-1154/
Special needs/students with disabilities (%)				
Students with individualized education plans	_____ %	_____ %	_____ %	_____ %
	1155-1157/	1158-1160/	1161-1163/	1164-1166/

- 6a. If you had more than four School-within-a-School groups in 2002-2003, indicate below the name(s) and total student enrollments in 2002-2003 for all School-within-a-School groups not listed above.

<u>Name</u>	<u>Total Student Enrollment</u>
_____	_____
1167-1171/	1172-1175/
_____	_____
1176-1180/	1181-1184/
_____	_____
1185-1189/	1190-1193/

These questions ask about **all** Schools-within-a-School in your school.

7. In 2002-2003, were all students in grades 9-12 in the school **eligible** to participate in the School-within-a-School program?

- ρ₁ Yes (*Skip to Question 8*) 1194/
 ρ₂ No (*Answer Question 7a*)

- 7a. Which students were eligible to participate in the School-within-a-School program? (*Check all that apply.*)

- ρ₁ Students in certain grades 1195/
 ρ₂ Students interested in particular subject areas 1196/
 ρ₃ Students with academic achievement above a certain level 1197/
 ρ₄ Students with academic achievement below a certain level 1198/
 ρ₅ Students who had completed pre-requisite courses 1199/
 ρ₆ Other (*Please specify*): _____ 1200/
 1201-1213/

8. In 2002-2003, did all students in grades 9-12 participate in the School-within-a-School program?

- ρ₁ Yes (*Skip to Question 9*) 1214/
 ρ₂ No (*Answer Question 8a*)

- 8a. How were students selected to participate in the School-within-a-School program? (*Check all that apply.*)

- ρ₁ All students in certain grades participated 1215/
 ρ₂ Students self-selected 1216/
 ρ₃ Students were randomly assigned 1217/
 ρ₄ The most qualified students were selected 1218/
 ρ₅ Students with the greatest academic need were selected 1219/
 ρ₆ Other (*Please specify*): _____ 1220/
 1221-1235/

9. In 2002-2003, did your school's School-within-a-School program have its own: (*Check one in each row.*)

	Yes	No	
a. Budget	O 1	O 2	1236/
b. Staff	O 1	O 2	1237/
c. Instructional leadership teams	O 1	O 2	1238/
d. Operating procedures	O 1	O 2	1239/
e. Discipline policies	O 1	O 2	1240/

10. In 2002-2003, was there a separate physical space set aside for students in the School-within-a-School program at your school?

- ρ_1 Not at all separate (*Skip to Question 11*) 1241/
- ρ_2 Somewhat separate (e.g., some common facilities and/or some separate instructional areas) (*Answer Question 10a*)
- ρ_3 Entirely separate (*Answer Question 10a*)

10a. What percentage of time, on average, did students spend in the School-within-a-School area in a school day?

_____ % 1242-1244/

11. During the 2002-2003 school year, did teachers have common planning time for School-within-a-School program activities?

- ρ_1 Yes (*Answer Question 11a*) 1245/
- ρ_2 No (*Skip to Question 12*)

11a. If yes, about how often did teachers in your school participate in common planning **related to the School-within-a-School program**?

- ρ_1 Less than once a month 1246/
- ρ_2 About once a month
- ρ_3 Two to three times per month
- ρ_4 Weekly
- ρ_5 Two to three times per week
- ρ_6 Daily

12. During 2002-2003, were all teachers in the school assigned to teach within the School-within-a-School program?

- ρ_1 Yes (*Skip to Question 13*) 1247/
- ρ_2 No (*Answer Question 12a*)

12a. How were teachers assigned? (*Check all that apply*)

- | | | |
|----------|---|-------|
| ρ_1 | Teachers volunteered | 1248/ |
| ρ_2 | Teachers were assigned because of content expertise | 1249/ |
| ρ_3 | Teachers were assigned because of interest/motivation | 1250/ |
| ρ_4 | Teachers were assigned due to staffing needs | 1251/ |
| ρ_5 | Teachers were assigned based on seniority | 1252/ |
| ρ_6 | Other (<i>Please specify</i>): _____ | 1253/ |
- 1254-1268/

13. In the 2002-2003 school year, did students enrolled in each School-within-a-School take all of their courses within their own School-within-a-School?

- | | | |
|----------|------------------------------------|-------|
| ρ_1 | Yes (<i>Skip to Question 14</i>) | 1269/ |
| ρ_2 | No (<i>Answer Question 13a</i>) | |

13a. What percentage of students' course load, on average, was taken within the School-within-a-School?

_____ % 1270-1272/

14. Were courses **specific to the SLC theme** offered in your School-within-a-School program in 2002-2003?

- | | | |
|----------|------------------------------------|-------|
| ρ_1 | Yes (<i>Answer Question 14a</i>) | 1273/ |
| ρ_2 | No (<i>Skip to Question 15</i>) | |

14a. How has the number of course offerings specific to the SLC theme changed since SLC funding began? (*Check one*)

- | | | |
|----------|-------------------------------|-------|
| ρ_1 | Fewer courses offered | 1274/ |
| ρ_2 | No change in course offerings | 1275/ |
| ρ_3 | More courses offered | 1276/ |

15. In Column A, please indicate whether the following kinds of assessments were utilized in the School-within-a-School program in 2002-2003. In Column B, please indicate whether any of these were new since federal SLC funding was received. (Check one per row in Column A and one per row in Column B for each assessment that was utilized.)

	A			B		
	Utilized in 2002-2003?			New since SLC funding?		
	Yes	No		Yes	No	
a. Standardized testing: district mandated	<input type="radio"/> 1	<input type="radio"/> 2	1277/	<input type="radio"/> 3	<input type="radio"/> 4	1278/
b. Standardized testing: state-mandated	<input type="radio"/> 1	<input type="radio"/> 2	1279/	<input type="radio"/> 3	<input type="radio"/> 4	1280/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	1281/	<input type="radio"/> 3	<input type="radio"/> 4	1282/
d. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	1283/	<input type="radio"/> 3	<input type="radio"/> 4	1284/
e. End-of-course assessment	<input type="radio"/> 1	<input type="radio"/> 2	1285/	<input type="radio"/> 3	<input type="radio"/> 4	1286/
f. Other (Please specify): _____	<input type="radio"/> 1	<input type="radio"/> 2	1287/	<input type="radio"/> 3	<input type="radio"/> 4	1288/

1289-1303/

16. Were any of the following required for graduation within the School-within-a-School in 2002-2003? (Check one per row.)

	Yes	No	
a. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	1304/
b. Academic course requirements (e.g., set number of required courses in academic areas)	<input type="radio"/> 1	<input type="radio"/> 2	1305/
c. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	<input type="radio"/> 1	<input type="radio"/> 2	1306/
d. Overall number of course credits with passing grades	<input type="radio"/> 1	<input type="radio"/> 2	1307/
e. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	1308/
f. Co-op or credit for work	<input type="radio"/> 1	<input type="radio"/> 2	1309/
g. Service learning and/or volunteer work requirement	<input type="radio"/> 1	<input type="radio"/> 2	1310/
h. Other (Please specify): _____	<input type="radio"/> 1	<input type="radio"/> 2	1311/

1312-1326/

17. During the 2002-2003 school year, were any of the following opportunities available solely to students in your School-within-a-School? (*Check one per row.*)

	Yes	No	
a. Job shadowing	O 1	O 2	1327/
b. Internships	O 1	O 2	1328/
c. Community service learning	O 1	O 2	1329/
d. Residency/Apprenticeships	O 1	O 2	1330/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	1331/
f. Other (<i>Please specify</i>): _____	O 1	O 2	1332/

1333-1347/

18. For each of the following, at which level were decisions made during 2002-2003? (*Check one per row.*)

	District-level decision only	District and school decision	School-level decision only	School and School-within-a-School decision	School-within-a-School decision only	
a. School-within-a-School course offerings/ curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1348/
b. Selection of School-within-a-School instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1349/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1350/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1351/
e. Selection of professional development topics specific to the School-within-a-School	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1352/
f. School-within-a-School schedule (e.g., daily timetable weekly schedule)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1353/
g. School-within-a-School organization	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1354/
h. Overall School-within-a-School budget	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1355/
i. Allocations within School-within-a-School budget(s)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1356/
j. Hiring for School-within-a-School positions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1357/

19. SLCs are designed to have certain outcomes. What impact do you perceive your school's School-within-a-School has had on each of the following outcomes for its students up through the 2002-2003 school year? (Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1358/
b. Academic course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1359/
c. Vocational course-taking	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1360/
d. Academic achievement among at-risk students	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1361/
e. Promotion rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1362/
f. High school graduation rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1363/
g. SAT/ACT test-taking rates	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1364/
h. Acquisition of technical skills	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1365/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1366/
b. Dropout rate	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1367/
c. Incidence of student violence	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1368/
d. Participation rates in extracurricular activities	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1369/
e. Student tardiness	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1370/
f. Student motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1371/
g. Student morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1372/
h. Student-teacher relationships/interaction	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1373/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1374/
b. Teacher motivation	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1375/
c. Teacher collaboration	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1376/
d. Teacher morale	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1377/
e. Level of parental/family involvement in school	<input type="radio"/> 1	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 8	1378/

Upon finishing this module, please proceed to the next applicable module or to the remaining questions that appear on the white pages at the back of the survey, labeled "Your School".

Magnet School Module

Please complete this module only if you were implementing one or more Magnet Schools in 2002-2003.

Magnet Schools generally have a core focus (e.g., math and science, the arts). They usually draw their students from the entire district. Magnet schools may or may not have competitive admission requirements.

1. When did **implementation** of your Magnet School begin?

___ / ____
(mm/yyyy)

1379-1384/

2. Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school's progress towards full implementation of your Magnet School as of the end of the 2002-2003 school year.

_____ %

1385-1387/

3. In the 2002-2003 school year, did you use federal SLC grant funds to support your Magnet School?

ρ_1 Yes
 ρ_2 No

1388/

4. Is your implementation of Magnet School(s) new as a result of the federal SLC program?

ρ_1 Yes (*Skip to Question 5*)
 ρ_2 No (*Answer Question 4a*)

1389/

- 4a. Have you expanded previously existing Magnet Schools or added new ones as a result of the federal SLC program?

ρ_1 Yes
 ρ_2 No

1390/

5. In the 2002-2003 school year, what percentage of the students at your school at each grade level participated in a Magnet School?

_____ % of 9th graders
_____ % of 10th graders
_____ % of 11th graders
_____ % of 12th graders

1391-1393/

1394-1396/

1397-1399/

1400-1402/

The following question is about the different Magnet School groups in your school in 2002-2003.

6. Below we ask you to describe each of your Magnet School groups. There is space to describe up to four; if there are more than four, please describe the four largest here and answer Question 6a. Complete section A with the names of your Magnet School groups. In section B, please estimate the number of students in each Magnet School group. In section C, please provide the demographic characteristics of students in each Magnet School. If exact percentages are not available, please estimate as well as you can, giving a single number and not a range. **Please make sure that the percentages given within racial composition and gender add up to 100 percent in each case.**

Characteristics of Magnet School Groups				
	1	2	3	4
A. Name	_____	_____	_____	_____
	1403-1407	1408-1412/	1413-1417/	1418-1422/
B. Student enrollment in 2002-2003	_____	_____	_____	_____
	1423-1426/	1427-1430/	1431-1434/	1435-1438/
C. Demographic characteristics				
Racial composition (%)				
a. Non-white	_____%	_____%	_____%	_____%
	1439-1441/	1442-1444/	1445-1447/	1448-1450/
b. White	_____%	_____%	_____%	_____%
	1451-1453/	1454-1456/	1457-1459/	1460-1462/
Gender (%)				
a. Male	_____%	_____%	_____%	_____%
	1463-1465/	1466-1468/	1469-1471/	1472-1474/
b. Female	_____%	_____%	_____%	_____%
	1475-1477/	1478-1480/	1481-1483/	1484-1486/
Language needs (%)				
Limited English proficient	_____%	_____%	_____%	_____%
	1487-1489/	1490-1492/	1493-1495/	1496-1498/
Special needs/students with disabilities (%)				
Students with individualized education plans	_____%	_____%	_____%	_____%
	1499-1501/	1502-1504/	1505-1507/	1508-1510/

- 6a. If you had more than four Magnet School groups in 2002-2003, indicate below the name(s) and total student enrollments in 2002-2003 for all Magnet School groups not listed above.

<u>Name</u>	<u>Total Student Enrollment</u>
_____	_____
1511-1515/	1516-1519/
_____	_____
1520-1524/	1525-1528/
_____	_____
1529-1533/	1534-1537/

These questions ask about your **entire** Magnet School program.

7. In 2002-2003, were all students in grades 9-12 in the school **eligible** to participate in the Magnet School program?

- ρ₁ Yes (*Skip to Question 8*) 1538/
 ρ₂ No (*Answer Question 7a*)

- 7a. Which students were eligible to participate in the Magnet School program? (*Check all that apply.*)

- ρ₁ Students in certain grades 1539/
 ρ₂ Students interested in particular subject areas 1540/
 ρ₃ Students with academic achievement above a certain level 1541/
 ρ₄ Students with academic achievement below a certain level 1542/
 ρ₅ Students who had completed pre-requisite courses 1543/
 ρ₆ Other (*Please specify*): _____ 1544/
 1545-1560/

8. In 2002-2003, did all students in grades 9-12 participate in the Magnet School program?

- ρ₁ Yes (*Skip to Question 9*) 1561/
 ρ₂ No (*Answer Question 8a*)

- 8a. How were students selected to participate in the Magnet School program? (*Check all that apply.*)

- ρ₁ All students in certain grades participated 1562/
 ρ₂ Students self-selected 1563/
 ρ₃ Students were randomly assigned 1564/
 ρ₄ The most qualified students were selected 1565/
 ρ₅ Students with the greatest academic need were selected 1566/
 ρ₆ Other (*Please specify*): _____ 1567/
 1568-1582/

9. In 2002-2003, did your school's Magnet School program have its own: *(Check one in each row.)*

	Yes	No	
a. Budget	<input type="radio"/> 1	<input type="radio"/> 2	1583/
b. Staff	<input type="radio"/> 1	<input type="radio"/> 2	1584/
c. Instructional leadership teams	<input type="radio"/> 1	<input type="radio"/> 2	1585/
d. Operating procedures	<input type="radio"/> 1	<input type="radio"/> 2	1586/
e. Discipline policies	<input type="radio"/> 1	<input type="radio"/> 2	1587/

10. In 2002-2003, was there a separate physical space set aside for students in the Magnet School program at your school?

- 1 Not at all separate *(Skip to Question 11)* 1588/
- 2 Somewhat separate (e.g., some common facilities and/or some separate instructional areas) *(Answer Question 10a)*
- 3 Entirely separate *(Answer Question 10a)*

10a. What percentage of time, on average, did students spend in the Magnet School area in a school day?

_____ % 1589-1591/

11. During the 2002-2003 school year, did teachers have common planning time for Magnet School program activities?

- 1 Yes *(Answer Question 11a)* 1592/
- 2 No *(Skip to Question 12)*

11a. If yes, about how often did teachers in your school participate in common planning **related to the Magnet School program**?

- 1 Less than once a month 1593/
- 2 About once a month
- 3 Two to three times per month
- 4 Weekly
- 5 Two to three times per week
- 6 Daily

12. During 2002-2003, were all teachers in the school assigned to teach within the Magnet School program?

- ρ_1 Yes (*Skip to Question 13*) 1594/
- ρ_2 No (*Answer Question 12a*)

12a. How were teachers assigned? (*Check all that apply*)

- ρ_1 Teachers volunteered 1595/
- ρ_2 Teachers were assigned because of content expertise 1596/
- ρ_3 Teachers were assigned because of interest/motivation 1597/
- ρ_4 Teachers were assigned due to staffing needs 1598/
- ρ_5 Teachers were assigned based on seniority 1599/
- ρ_6 Other (*Please specify*): _____ 1600/
1601-1615/

13. In the 2002-2003 school year, did students enrolled in each Magnet School take all of their courses within their own Magnet School?

- ρ_1 Yes (*Skip to Question 14*) 1616/
- ρ_2 No (*Answer Question 13a*)

13a. What percentage of students' course load, on average, was taken within the Magnet School?

_____ % 1617-1619/

14. Were courses **specific to the SLC theme** offered in your Magnet School program in 2002-2003?

- ρ_1 Yes (*Answer Question 14a*) 1620/
- ρ_2 No (*Skip to Question 15*)

14a. How has the number of course offerings specific to the SLC theme changed since SLC funding began? (*Check one*)

- ρ_1 Fewer courses offered 1621/
- ρ_2 No change in course offerings 1622/
- ρ_3 More courses offered 1623/

15. In Column A, please indicate whether the following kinds of assessments were utilized in the Magnet School program in 2002-2003. In Column B, please indicate whether any of these were new since federal SLC funding was received. (*Check one per row in Column A and one per row in Column B for each assessment that was utilized.*)

	A			B		
	Utilized in 2002-2003?			New since SLC funding?		
	Yes	No		Yes	No	
a. Standardized testing: district mandated	<input type="radio"/> 1	<input type="radio"/> 2	1624/	<input type="radio"/> 3	<input type="radio"/> 4	1625/
b. Standardized testing: state-mandated	<input type="radio"/> 1	<input type="radio"/> 2	1626/	<input type="radio"/> 3	<input type="radio"/> 4	1627/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	1628/	<input type="radio"/> 3	<input type="radio"/> 4	1629/
d. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	1630/	<input type="radio"/> 3	<input type="radio"/> 4	1631/
e. End-of-course assessment	<input type="radio"/> 1	<input type="radio"/> 2	1632/	<input type="radio"/> 3	<input type="radio"/> 4	1633/
f. Other (<i>Please specify</i>): _____	<input type="radio"/> 1	<input type="radio"/> 2	1634/	<input type="radio"/> 3	<input type="radio"/> 4	1635/

1636-1650/

16. Were any of the following required for graduation within the Magnet School in 2002-2003? (*Check one per row.*)

	Yes	No	
a. Individualized assessment (e.g., portfolios, student exhibition/performance)	<input type="radio"/> 1	<input type="radio"/> 2	1651/
b. Academic course requirements (e.g., set number of required courses in academic areas)	<input type="radio"/> 1	<input type="radio"/> 2	1652/
c. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	<input type="radio"/> 1	<input type="radio"/> 2	1653/
d. Overall number of course credits with passing grades	<input type="radio"/> 1	<input type="radio"/> 2	1654/
e. Student self-assessment	<input type="radio"/> 1	<input type="radio"/> 2	1655/
f. Co-op or credit for work	<input type="radio"/> 1	<input type="radio"/> 2	1656/
g. Service learning and/or volunteer work requirement	<input type="radio"/> 1	<input type="radio"/> 2	1657/
h. Other (<i>Please specify</i>): _____	<input type="radio"/> 1	<input type="radio"/> 2	1658/

1659-1673/

17. During the 2002-2003 school year, were any of the following opportunities available solely to students in your Magnet School? (*Check one per row.*)

	Yes	No	
a. Job shadowing	O 1	O 2	1674/
b. Internships	O 1	O 2	1675/
c. Community service learning	O 1	O 2	1676/
d. Residency/Apprenticeships	O 1	O 2	1677/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	1678/
f. Other (<i>Please specify</i>): _____	O 1	O 2	1679/

1680-1694/

18. For each of the following, at which level were decisions made during 2002-2003? (*Check one per row.*)

	District-level decision only	District and school decision	School-level decision only	School and Magnet School decision	Magnet School decision only	
a. Magnet School course offerings/ curriculum	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1695/
b. Selection of Magnet School instructional materials	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1696/
c. Assignment of students to teachers	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1697/
d. Student promotion and graduation decisions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1698/
e. Selection of professional development topics specific to the Magnet School	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1699/
f. Magnet School schedule (e.g., daily timetable weekly schedule)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1700/
g. Magnet School organization	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1701/
h. Overall Magnet School budget	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1702/
i. Allocations within Magnet School budget(s)	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1703/
j. Hiring for Magnet School positions	<input type="radio"/> 1	<input type="radio"/> 2	<input type="radio"/> 3	<input type="radio"/> 4	<input type="radio"/> 5	1704/

19. SLCs are designed to have certain outcomes. What impact do you perceive your school's Magnet School has had on each of the following outcomes for its students up through the 2002-2003 school year? (Check one per row.)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	O 1	O 1	O 2	O 3	O 8	1705/
b. Academic course-taking	O 1	O 1	O 2	O 3	O 8	1706/
c. Vocational course-taking	O 1	O 1	O 2	O 3	O 8	1707/
d. Academic achievement among at-risk students	O 1	O 1	O 2	O 3	O 8	1708/
e. Promotion rates	O 1	O 1	O 2	O 3	O 8	1709/
f. High school graduation rates	O 1	O 1	O 2	O 3	O 8	1710/
g. SAT/ACT test-taking rates	O 1	O 1	O 2	O 3	O 8	1711/
h. Acquisition of technical skills	O 1	O 1	O 2	O 3	O 8	1712/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	O 1	O 1	O 2	O 3	O 8	1713/
b. Dropout rate	O 1	O 1	O 2	O 3	O 8	1714/
c. Incidence of student violence	O 1	O 1	O 2	O 3	O 8	1715/
d. Participation rates in extracurricular activities	O 1	O 1	O 2	O 3	O 8	1716/
e. Student tardiness	O 1	O 1	O 2	O 3	O 8	1717/
f. Student motivation	O 1	O 1	O 2	O 3	O 8	1718/
g. Student morale	O 1	O 1	O 2	O 3	O 8	1719/
h. Student-teacher relationships/interaction	O 1	O 1	O 2	O 3	O 8	1720/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	O 1	O 1	O 2	O 3	O 8	1721/
b. Teacher motivation	O 1	O 1	O 2	O 3	O 8	1722/
c. Teacher collaboration	O 1	O 1	O 2	O 3	O 8	1723/
d. Teacher morale	O 1	O 1	O 2	O 3	O 8	1724/
e. Level of parental/family involvement in school	O 1	O 1	O 2	O 3	O 8	1725/

Upon finishing this module, please proceed to the next applicable module or to the remaining questions that appear on the white pages at the back of the survey, labeled "Your School".

Other SLC Strategies Module

1. Which of these other SLC strategies were being implemented in your school in 2002-2003? (First fill out Column A. Then for each strategy checked “Yes” in Column A, complete Columns B-E.)

FOR EACH STRATEGY CHECKED “YES” IN COLUMN A,
COMPLETE COLUMNS B-E

Strategies:	A	B	C	D	E			
	Were you implementing this strategy in 2002-2003?	Beginning date of implementation (mm/yy)	Is this strategy new as a result of the federal SLC program?	Is this strategy funded, either wholly or in part, by a federal SLC grant?	What percentage of each grade participates in this SLC strategy?			
					9 th grade	10 th grade	11 th grade	12 th grade
Block Scheduling (Class time is extended from 45- or 50-minute periods to blocks of 80 to 90 minutes. The added time allows teachers to provide individual attention and work together in an interdisciplinary fashion, and permits a greater variety of learning activities.)	ρ_1 Yes	___ /	ρ_1 Yes	ρ_1 Yes	_____	_____	_____	_____
	ρ_2 No 1726/	___ / 1727-1730/	ρ_2 No 1731/	ρ_2 No 1732/	_____ 1733-1735/	_____ 1736-1738/	_____ 1739-1741/	_____ 1742-1744/
Career Clusters/Pathways/Majors (These are broad areas that address all careers within the area, from technical through professional. Career clusters identify academic and technical skills needed by students as they transition from high school to post-secondary education and/or employment.)	ρ_1 Yes	___ /	ρ_1 Yes	ρ_1 Yes	_____	_____	_____	_____
	ρ_2 No 1745/	___ / 1746-1749/	ρ_2 No 1750/	ρ_2 No 1751/	_____ 1752-1754/	_____ 1755-1757/	_____ 1758-1760/	_____ 1761-1763/
Adult Advocates/Mentors (This model of personalization ensures that each student is known well by at least one staff member. Teachers, counselors, other school staff, and community volunteers—all of whom must be trained—can fulfill this “caring adult” role. Adult advocates meet with 15 to 20 students individually or in small groups on a regular basis over several years, providing support, and academic and personal guidance.)	ρ_1 Yes	___ /	ρ_1 Yes	ρ_1 Yes	_____	_____	_____	_____
	ρ_2 No 1764/	___ / 1765-1768/	ρ_2 No 1769/	ρ_2 No 1770/	_____ 1771-1773/	_____ 1774-1776/	_____ 1777-1779/	_____ 1780-1782/
Teacher Advisory Programs (This model of personalization changes the homeroom period to a teacher advisory period. Typically, administrators and teachers are assigned to a small number of students for whom they remain responsible over three or four years of high school.)	ρ_1 Yes	___ /	ρ_1 Yes	ρ_1 Yes	_____	_____	_____	_____
	ρ_2 No 1783/	___ / 1784-1787/	ρ_2 No 1788/	ρ_2 No 1789/	_____ 1790-1792/	_____ 1793-1795/	_____ 1796-1798/	_____ 1799-1801/
Teacher Teams (Academic teaming organizes groups of teachers across departments so that teachers share the same students rather than the same subject. Teachers who teach different subjects form a team that shares responsibility for curriculum, instruction, evaluation and discipline for a group of 100 to 150 students.)	ρ_1 Yes	___ /	ρ_1 Yes	ρ_1 Yes	_____	_____	_____	_____
	ρ_2 No 1802/	___ / 1803-1806/	ρ_2 No 1807/	ρ_2 No 1808/	_____ 1809-1811/	_____ 1812-1814/	_____ 1815-1817/	_____ 1818-1820/

2. SLCs are designed to have certain outcomes. What impact do you perceive your school's SLC strategies (listed on the previous page), taken together, have had on each of the following outcomes for your students up through the 2002-2003 school year? (*Check one per row.*)

	Negative impact	No impact	Some positive impact	Major positive impact	Don't know	
<i>Student academic outcomes</i>						
a. Student academic achievement	O 1	O 1	O 2	O 3	O 8	1821/
b. Academic course-taking	O 1	O 1	O 2	O 3	O 8	1822/
c. Vocational course-taking	O 1	O 1	O 2	O 3	O 8	1823/
d. Academic achievement among at-risk students	O 1	O 1	O 2	O 3	O 8	1824/
e. Promotion rates	O 1	O 1	O 2	O 3	O 8	1825/
f. High school graduation rates	O 1	O 1	O 2	O 3	O 8	1826/
g. SAT/ACT test-taking rates	O 1	O 1	O 2	O 3	O 8	1827/
h. Acquisition of technical skills	O 1	O 1	O 2	O 3	O 8	1828/
<i>Student behavioral/attitudinal outcomes</i>						
a. Absenteeism	O 1	O 1	O 2	O 3	O 8	1829/
b. Dropout rate	O 1	O 1	O 2	O 3	O 8	1830/
c. Incidence of student violence	O 1	O 1	O 2	O 3	O 8	1831/
d. Participation rates in extracurricular activities	O 1	O 1	O 2	O 3	O 8	1832/
e. Student tardiness	O 1	O 1	O 2	O 3	O 8	1833/
f. Student motivation	O 1	O 1	O 2	O 3	O 8	1834/
g. Student morale	O 1	O 1	O 2	O 3	O 8	1835/
h. Student-teacher relationships/interaction	O 1	O 1	O 2	O 3	O 8	1836/
<i>Teacher and parent outcomes</i>						
a. Teacher attendance	O 1	O 1	O 2	O 3	O 8	1837/
b. Teacher motivation	O 1	O 1	O 2	O 3	O 8	1838/
c. Teacher collaboration	O 1	O 1	O 2	O 3	O 8	1839/
d. Teacher morale	O 1	O 1	O 2	O 3	O 8	1840/
e. Level of parental/family involvement in school	O 1	O 1	O 2	O 3	O 8	1841/

Upon finishing this module, please proceed to the remaining questions that appear on the white pages at the back of the survey.

The next sections of the survey address your school's overall experience in implementing activities to foster an SLC environment. Please base all answers on your SLC efforts in the whole school rather than on a separate SLC component (e.g., Career Academy program). Please note that "2002-2003" refers to the 2002-2003 school year.

SLC Program Implementation

A. Federal SLC Program Implementation

This first set of questions is focused on your school's and implementation of the federal SLC grant program during 2002-2003.

1. Are you **currently** (in 2003-2004) using federal SLC funds to support your SLC program?

- ρ_1 Yes (*Answer Question 1a*) 1842/
- ρ_2 No (*Skip to Question 2*)

1a. Are you operating this year (2003-2004) using carryover funds (one-year performance extension) from your SLC grant?

- ρ_1 Yes
- ρ_2 No 1843/

2. During the 2002-2003 school year, did you add any **new** components to your SLC program? (*Check all that apply.*)

- ρ_1 Career Academies 1844/
- ρ_2 Freshman Academies 1845/
- ρ_3 House Plans 1846/
- ρ_4 Schools-within-a-School 1847/
- ρ_5 Magnet Schools 1848/
- ρ_6 Other strategies, including Block Scheduling, Career Clusters/Pathways, Adult Advocates/Mentors, Teacher Advisory Programs, and Teacher Teams 1849/
- ρ_7 None of the above 1850/

If you added any of the components above during 2002-2003, be sure to complete the appropriate color-coded section for each new component, in addition to any components that were started earlier.

3. Some schools have implemented school-level changes as a result of SLC funding. In column A below, indicate school-level SLC-type changes that have occurred **as a result of** federal SLC program funding. In column B, indicate changes that you expect to sustain **after federal SLC funding**. (Check all that apply. You may check both column A and column B if applicable.)

	A		B	
	Changes as a result of federal SLC funding		Changes that will be sustained after federal SLC funding	
School-level changes designed to foster small learning communities				
a. School governance/administrative structure has been reconstructed (e.g., site-based management)	O 1	1851/	O 2	1852/
b. Structural changes have been made to student cohort organization (e.g., by grade, by house, by duties of teachers)	O 1	1853/	O 2	1854/
c. School physical space has been changed to accommodate SLCs	O 1	1855/	O 2	1856/
d. The manner in which students are placed in courses has changed (e.g., elimination of tracking)	O 1	1857/	O 2	1858/
e. New courses specific to SLCs have been introduced	O 1	1859/	O 2	1860/
f. Curriculum and/or instructional staff have been re-organized based upon content/structure of SLCs	O 1	1861/	O 2	1862/
g. School-wide core curriculum has been made more academically rigorous	O 1	1863/	O 2	1864/
h. Local assessment (e.g., school- or district-level) options have been altered to reflect SLCs (e.g., use of projects/portfolios)	O 1	1865/	O 2	1866/
i. Staff development and training specific to SLCs have been introduced	O 1	1867/	O 2	1868/
j. Because of block scheduling or other changes, each teacher teaches a smaller total number of students than before.	O 1	1869/	O 2	1870/
k. None of the above	O 1	1871/	O 2	1872/

4. Some schools have implemented classroom-level changes as a result of SLC funding. In column A, indicate classroom-level changes that have occurred **as a result of** federal SLC program funding. In column B, indicate changes that you expect to sustain **after federal SLC funding**. (Check all that apply. You may check both column A and column B if applicable.)

		A		B	
		Changes as a result of federal SLC funding		Changes that will be sustained after federal SLC funding	
Classroom-level changes designed to foster small learning communities					
a.	Students keep same homeroom teacher throughout high school	<input type="radio"/>	1873/	<input type="radio"/>	1874/
b.	Independent study is available in core academic courses	<input type="radio"/>	1875/	<input type="radio"/>	1876/
c.	More varied student assessments are used for grading and promotion decisions	<input type="radio"/>	1877/	<input type="radio"/>	1878/
d.	Mixed-ability classes are available in core academic subjects	<input type="radio"/>	1879/	<input type="radio"/>	1880/
e.	A cooperative learning focus has been integrated into the curriculum	<input type="radio"/>	1881/	<input type="radio"/>	1882/
f.	Student evaluations of teachers are being used	<input type="radio"/>	1883/	<input type="radio"/>	1884/
g.	There is flexible time for classes and additional study	<input type="radio"/>	1885/	<input type="radio"/>	1886/
h.	Students are taught by the same cluster of teachers for multiple years	<input type="radio"/>	1887/	<input type="radio"/>	1888/
i.	Teachers serve as advisors/mentors	<input type="radio"/>	1889/	<input type="radio"/>	1890/
j.	Classes are smaller than before	<input type="radio"/>	1891/	<input type="radio"/>	1892/
k.	None of the above	<input type="radio"/>	1893/	<input type="radio"/>	1894/

B. SLC Implementation in Your School

1. What influence did each of the following factors have on your school's implementation of the SLC program in the 2002-2003 school year? (*Check one per row.*)

	Negative influence	No influence	Positive influence	Don't know		
<i>Structure/Resource factors</i>						
a.	State/District standard(s) or curriculum requirements	O 1	O 2	O 3	O 8	1895/
b.	Physical space/facilities, capacity to operate an SLC program	O 1	O 2	O 3	O 8	1896/
c.	Departmental organization of the school	O 1	O 2	O 3	O 8	1897/
d.	Scheduling/Logistics issues about the operation of an SLC	O 1	O 2	O 3	O 8	1898/
e.	Resources, including instructional materials	O 1	O 2	O 3	O 8	1899/
f.	Adequacy of curriculum	O 1	O 2	O 3	O 8	1900/
g.	Time for common teacher planning	O 1	O 2	O 3	O 8	1901/
h.	Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	1902/
	_____					1903-1917/
<i>Instructional staff factors</i>						
a.	District hiring policies	O 1	O 2	O 3	O 8	1918/
b.	Faculty expertise	O 1	O 2	O 3	O 8	1919/
c.	Pedagogical practices of existing staff	O 1	O 2	O 3	O 8	1920/
d.	Availability of professional development specific to the facilitation of the SLC	O 1	O 2	O 3	O 8	1921/
e.	Teacher attitudes	O 1	O 2	O 3	O 8	1922/
f.	Teachers' union attitudes	O 1	O 2	O 3	O 8	1923/
g.	Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	1924/
	_____					1925-1939/
<i>Student/Parent factors</i>						
a.	Characteristics of student population	O 1	O 2	O 3	O 8	1940/
b.	Parental/Family attitudes	O 1	O 2	O 3	O 8	1941/
c.	Other (<i>Please specify</i>):	O 1	O 2	O 3	O 8	1942/
	_____					1943-1957/

2. After federal SLC funding ends, what influence do you expect each of the following factors will have on your ability to sustain your SLC program? (*Check one per row.*)

	Negative influence	No influence	Positive influence	Don't know	
<i>Structure/Resource factors</i>					
a. State/District standard(s) or curriculum requirements	O 1	O 2	O 3	O 8	1958/
b. Physical space/facilities, capacity to operate an SLC program	O 1	O 2	O 3	O 8	1959/
c. Departmental organization of the school	O 1	O 2	O 3	O 8	1960/
d. Scheduling/Logistics issues about the operation of an SLC	O 1	O 2	O 3	O 8	1961/
e. Resources, including instructional materials	O 1	O 2	O 3	O 8	1962/
f. Adequacy of curriculum	O 1	O 2	O 3	O 8	1963/
g. Time for common teacher planning	O 1	O 2	O 3	O 8	1964/
h. Other (<i>Please specify</i>): _____	O 1	O 2	O 3	O 8	1965/ 1966-1980/
<i>Instructional staff factors</i>					
a. District hiring policies	O 1	O 2	O 3	O 8	1981/
b. Faculty expertise	O 1	O 2	O 3	O 8	1982/
c. Pedagogical practices of existing staff	O 1	O 2	O 3	O 8	1983/
d. Availability of professional development specific to the facilitation of the SLC	O 1	O 2	O 3	O 8	1984/
e. Teacher attitudes	O 1	O 2	O 3	O 8	1985/
f. Teachers' union attitudes	O 1	O 2	O 3	O 8	1986/
g. Other (<i>Please specify</i>): _____	O 1	O 2	O 3	O 8	1987/ 1988-2002/
<i>Student/Parent factors</i>					
a. Characteristics of student population	O 1	O 2	O 3	O 8	2003/
b. Parental/Family attitudes	O 1	O 2	O 3	O 8	2004/
c. Other (<i>Please specify</i>): _____	O 1	O 2	O 3	O 8	2005/ 2006-2020/

3. To support the goals of your SLC program during the 2002-2003 school year, did your school have external sources of funding from sources **other than the federal SLC program** (e.g., other federal funds, grants, donations)?

ρ_1 Yes (Answer Question 3a and 3b) 2021/

ρ_2 No (Skip to Section C)

3a. If yes, please indicate whether or not your school had each of the following sources of funding during 2002-2003. (Check one per row.)

	Yes	No	
a. Federal other than SLC (e.g., Title I, Perkins)	<input type="radio"/> 1	<input type="radio"/> 2	2022/
b. State	<input type="radio"/> 1	<input type="radio"/> 2	2023/
c. Local	<input type="radio"/> 1	<input type="radio"/> 2	2024/
d. Private (e.g., philanthropic, non-profit, for-profit, foundation)	<input type="radio"/> 1	<input type="radio"/> 2	2025/
e. Other (Please specify):	<input type="radio"/> 1	<input type="radio"/> 2	2026/

2027-2040/

3b. For the funding sources identified above, please indicate below the **total funding amount for 2002-2003**. Round all dollar amounts to whole numbers. If you have more than one type from one source (e.g., both Title I and Perkins), combine them to show the total funding amount for that source.

	2002-2003 funding amount
<i>Example:</i> Federal other than SLC (e.g., Title I, Perkins)	\$50,000

Federal other than SLC: \$ _____ 2041-2047/

State: \$ _____ 2048-2054/

Local: \$ _____ 2055-2061/

Private: \$ _____ 2062-2068/

Other: \$ _____ 2069-2075/

C. Faculty/Staff Information

1. What percentage of instructional staff were involved in the SLC program in 2002-2003?

_____ %

2076-2078/

2. During the 2002-2003 school year (including summer 2002), did your instructional staff **who are involved in the SLC program** receive professional development **specific to the SLC program**?

ρ_1 Yes (*Answer Questions 2a through 2c*)

2079/

ρ_2 No (*Skip to Question 3*)

- 2a. On average, in 2002-2003, how many hours of professional development specific to the SLC program did the teachers involved in your SLC program receive?

_____ hours of SLC-specific professional development per teacher

2080-2082/

- 2b. Please indicate the percentage of SLC teachers who participated in each professional development opportunity listed below during 2002-2003 (including summer 2002). (Check one per row. Answer only if “yes” to Question 2.)

	None	1-25%	26-50%	51-75%	76-100%	
<i>Pedagogical techniques</i>						
a. Cooperative learning techniques	O 1	O 2	O 3	O 4	O 5	2083/
b. Tailoring instruction to individual needs	O 1	O 2	O 3	O 4	O 5	2084/
c. Problem solving/reasoning instructional methods	O 1	O 2	O 3	O 4	O 5	2085/
d. Project-based instruction	O 1	O 2	O 3	O 4	O 5	2086/
e. Team-teaching methods	O 1	O 2	O 3	O 4	O 5	2087/
f. New approaches to student assessment	O 1	O 2	O 3	O 4	O 5	2088/
g. Other (Please specify): _____	O 1	O 1	O 2	O 3	O 4	2089/
_____ 2090-2104/						
<i>Content</i>						
a. Subject matter content/curriculum	O 1	O 2	O 3	O 4	O 5	2105/
b. Adoption of SLC-specific curriculum	O 1	O 2	O 3	O 4	O 5	2106/
c. Interdisciplinary projects	O 1	O 2	O 3	O 4	O 5	2107/
d. Other (Please specify): _____	O 1	O 1	O 2	O 3	O 4	2108/
_____ 2109-2123/						
<i>Student supports</i>						
a. Mentoring strategies	O 1	O 2	O 3	O 4	O 5	2124/
b. Conflict resolution	O 1	O 2	O 3	O 4	O 5	2125/
c. Strategies for helping low-achieving students	O 1	O 2	O 3	O 4	O 5	2126/
d. Other (Please specify): _____	O 1	O 1	O 2	O 3	O 4	2127/
_____ 2128-2142/						

2c. Which of the following have provided professional development during 2002-2003 for the teachers involved in your SLC program? (Please check one per row. Answer only if "yes" to Question 2.)

	Yes		No	
a. School-based staff	O 1	2143/	O 2	2144/
b. District or other school in your district	O 1	2145/	O 2	2146/
c. State department of education staff	O 1	2147/	O 2	2148/
d. Regional laboratory staff (e.g., NWREL, Lab at Brown, SERVE, etc.)	O 1	2149/	O 2	2150/
e. Other external providers/consultants (e.g., Talent Development, High Schools that Work, First Things First, etc.)	O 1	2151/	O 2	2152/

3. Have teachers who are involved in your SLC program visited other schools in order to study their SLC programs?

ρ_1	Yes	2153/
ρ_2	No	

4. In the first three columns, please indicate the extent to which your school had staffing needs in each of the following areas in 2002-2003. In the second three columns, indicate whether your school's staffing needs changed as a result of implementing an SLC program.

Staffing area:	Extent of school staffing needs in 2002-2003				Change in school staffing needs in 2002-2003 because of SLC program			
	No need	Some need	Great need		Decreased	Unchanged	Increased	
a. Guidance counselors and/or other professional support staff	O 1	O 2	O 3	2154/	O 4	O 5	O 6	2155/
b. Core academic subject teachers	O 1	O 2	O 3	2156/	O 4	O 5	O 6	2157/
c. Elective academic subject teachers	O 1	O 2	O 3	2158/	O 4	O 5	O 6	2159/
d. Vocational subject teachers	O 1	O 2	O 3	2160/	O 4	O 5	O 6	2161/
e. Special education	O 1	O 2	O 3	2162/	O 4	O 5	O 6	2163/
f. Bilingual education	O 1	O 2	O 3	2164/	O 4	O 5	O 6	2165/
g. Other (Please specify): _____	O 1	O 2	O 3	2166/	O 4	O 5	O 6	2167/

2168-2182/

D. Student-Staff Relationships

1. During the 2002-2003 school year, did students within the SLC program have adult mentors with whom they were formally paired and with whom they met individually or in small groups?

ρ_1 Yes, a formal pairing process was available to SLC students (*Answer Questions 2 through 4*)

2183/

ρ_2 No, there was no formal mentoring program available to SLC students (*Skip to Section E*)

2184/

2. Approximately what percentage of students **in your SLC program** were formally assigned to a mentor?

_____ %

2185-2187/

3. Approximately how often, on average, did SLC students meet with their formally assigned mentors?

ρ_1 Once a week or more

2188/

ρ_2 Twice a month

ρ_3 Once a month

ρ_4 Several times a year

ρ_5 Other (*Please specify*): _____

2189-2203/

4. Who are your students' mentors? (*Check all that apply.*)

ρ_1 Teachers

2204/

ρ_2 Other school staff

2205/

ρ_3 Adults from outside the school (e.g., local employers, community members) (*Please specify*): _____

2206/

2207-2221/

E. Academic and Non-Academic Aspects of the SLC/School

1. During the 2002-2003 school year, were the following opportunities available to students schoolwide? (*Check one per row.*)

	Yes	No	
a. Job shadowing	O 1	O 2	2222/
b. Internships	O 1	O 2	2223/
c. Community service learning	O 1	O 2	2224/
d. Residency/Apprenticeships	O 1	O 2	2225/
e. Cross-curricular or interdisciplinary activities	O 1	O 2	2226/
f. Other (<i>Please specify</i>): _____ 2228-2242/	O 1	O 2	2227/

2. Were the following kinds of assessment used throughout your whole school in 2002-2003? (*Check one per row.*)

	Yes	No	
a. Standardized assessments: state-mandated	O 1	O 2	2243/
b. Standardized assessments: district-mandated	O 1	O 2	2244/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	O 2	2245/
d. Student self-assessment	O 1	O 2	2246/
e. End-of-course assessment	O 1	O 2	2247/
f. Other (<i>Please specify</i>): _____ 2249-2263/	O 1	O 2	2248/

3. Were any of the following required for graduation from your school in 2002-2003? (*Check one per row.*)

	Yes	No	
a. Standardized testing: district mandated	O 1	O 2	2264/
b. Standardized testing: state-mandated	O 1	O 2	2265/
c. Individualized assessment (e.g., portfolios, student exhibition/performance)	O 1	O 2	2266/
d. Academic course requirements (e.g., set number of required courses in academic areas)	O 1	O 2	2267/
e. Career/Vocational course requirements (e.g., set number of required courses in career/vocational areas)	O 1	O 2	2268/
f. Overall number of course credits with passing grades	O 1	O 2	2269/
g. Student self-assessment	O 1	O 2	2270/
h. Co-op or credit for work	O 1	O 2	2271/
i. Service learning and/or volunteer work requirement	O 1	O 2	2272/
j. Other (<i>Please specify</i>): _____	O 1	O 2	2273/

2274-2288/

4. During the 2002-2003 school year, did any of the following statements describe your school? (*Check one per row.*)

	Yes	No	
a. The school is organized into subject-based departments such as Mathematics, History, Fine Arts, and Technical Arts (e.g., woodworking)	O 1	O 2	2289/
b. The school is organized in departments according to career pathways (e.g., photojournalism, technology, early childhood development)	O 1	O 2	2290/
c. Courses in at least some core academic areas (English, math, science, social studies) are differentiated (i.e., “tracked” or “leveled”)	O 1	O 2	2291/
d. Advanced placement (AP), International Baccalaureate (IB), or Cambridge Program (O and A levels) courses are available.	O 1	O 2	2292/

5. In Column A, please indicate whether your school implemented reform efforts in 2002-2003 in any of the areas listed. (Answer “yes” or “no” for each item.) For those that the school implemented, in Column B please provide the date started. In Columns C and D, indicate whether the reforms were state- or district-mandated, or voluntary. In Column E, indicate whether they were coordinated with your SLC program.

**FOR EACH REFORM CHECKED “YES” IN COLUMN A,
PLEASE COMPLETE COLUMNS B-E**

		A	B	C	D	E
						Coordinated with SLC (e.g., common design and implemen- tation)?
	Type of reform	Imple- menting this reform?	Date started (mm/yy)	State- or district- mandated?	Volun- tary parti- cipa- tion?	
a.	Curriculum reforms	ρ_1 Yes	_____/_____ 2294-2297/	ρ_1 Yes	ρ_1 Yes	ρ_1 Yes
		ρ_2 No	_____/_____ 2293/	ρ_2 No	ρ_2 No	ρ_2 No
b.	Standards-based reforms	ρ_1 Yes	_____/_____ 2302-2305/	ρ_1 Yes	ρ_1 Yes	ρ_1 Yes
		ρ_2 No	_____/_____ 2301/	ρ_2 No	ρ_2 No	ρ_2 No
c.	Discipline and safety reforms	ρ_1 Yes	_____/_____ 2310-2313/	ρ_1 Yes	ρ_1 Yes	ρ_1 Yes
		ρ_2 No	_____/_____ 2309/	ρ_2 No	ρ_2 No	ρ_2 No
d.	School climate reforms	ρ_1 Yes	_____/_____ 2318-2321/	ρ_1 Yes	ρ_1 Yes	ρ_1 Yes
		ρ_2 No	_____/_____ 2317/	ρ_2 No	ρ_2 No	ρ_2 No
e.	Comprehensive high school reform model (e.g., High Schools That Work, Coalition of Essential Schools, Talent Development High School, First Things First)	ρ_1 Yes	_____/_____ 2326-2329/	ρ_1 Yes	ρ_1 Yes	ρ_1 Yes
		ρ_2 No	_____/_____ 2325/	ρ_2 No	ρ_2 No	ρ_2 No

If “yes” to comprehensive high school reform model, please complete the following:

<u>Name of Model</u>	<u>Source(s) of Technical Assistance (if any)</u>
_____	_____
2333-2347/	2348-2362/
_____	_____
2363-2376/	2377-2391/
_____	_____
2392-2406/	2407-2421/

F. SLC-Specific Issues

1. In 2002-2003, did your school have external partners, such as local business or universities, that worked with your SLC program?

ρ_1 Yes (*Answer Questions 1a and 1b*) 2422/
 ρ_2 No (*Skip to end*)

- 1a. Who were the external partners that worked with your SLC program? (*Check one per row.*)

	Yes	No	
a. Higher education institutions	<input type="radio"/> 1	<input type="radio"/> 2	2423/
b. Businesses/Local employers	<input type="radio"/> 1	<input type="radio"/> 2	2424/
c. Community-based organizations	<input type="radio"/> 1	<input type="radio"/> 2	2425/
d. Individual community members	<input type="radio"/> 1	<input type="radio"/> 2	2426/
e. Other (<i>Please specify</i>): _____			2427/

2428-2443/

- 1b. For each of the following, please indicate which benefits were provided to your SLC program by your school through partnership(s) with external entities in 2002-2003. (Check all that apply.)

	Higher educa- tion institu- tions	Businesses/ Local employers	Community- based organizations	Individual community members
a. School-to-work experiences (e.g., workplace visits, internships, job opportunities)	<input type="radio"/> 1 2444/	<input type="radio"/> 2 2445/	<input type="radio"/> 3 2446/	<input type="radio"/> 4 2447/
b. Mentors or career advisors	<input type="radio"/> 1 2448/	<input type="radio"/> 2 2449/	<input type="radio"/> 3 2450/	<input type="radio"/> 4 2451/
c. In-school volunteers (e.g., classroom volunteers, school-wide volunteers)	<input type="radio"/> 1 2452/	<input type="radio"/> 2 2453/	<input type="radio"/> 3 2454/	<input type="radio"/> 4 2455/
d. Professional development (either on- or off-site)	<input type="radio"/> 1 2456/	<input type="radio"/> 2 2457/	<input type="radio"/> 3 2458/	<input type="radio"/> 4 2459/
e. Equipment/supplies, including curricular materials	<input type="radio"/> 1 2460/	<input type="radio"/> 2 2461/	<input type="radio"/> 3 2462/	<input type="radio"/> 4 2463/
f. Sponsorship or participation in special events held at school (e.g., career days)	<input type="radio"/> 1 2464/	<input type="radio"/> 2 2465/	<input type="radio"/> 3 2466/	<input type="radio"/> 4 2467/
g. Collaboration with school on post-secondary education and training transition (e.g., Upward Bound, dual enrollment)	<input type="radio"/> 1 2468/	<input type="radio"/> 2 2469/	<input type="radio"/> 3 2470/	<input type="radio"/> 4 2471/
h. Post-secondary scholarships	<input type="radio"/> 1 2472/	<input type="radio"/> 2 2473/	<input type="radio"/> 3 2474/	<input type="radio"/> 4 2475/
i. Service on school improvement teams and advisory committees	<input type="radio"/> 1 2476/	<input type="radio"/> 2 2477/	<input type="radio"/> 3 2478/	<input type="radio"/> 4 2479/
j. Other (<i>Please specify</i>): _____ _____	<input type="radio"/> 1 2480/ 2484-2498/	<input type="radio"/> 2 2481/	<input type="radio"/> 3 2482/	<input type="radio"/> 4 2483/
k. None of the above	<input type="radio"/> 1 2499/	<input type="radio"/> 2 2500/	<input type="radio"/> 3 2501/	<input type="radio"/> 4 2502/

This is the end of the survey. Please make sure you have answered all of the applicable questions. If you have any comments or want to describe your SLC program activities more completely, please use the space below.

Thank you for your time!

Appendix D

Site Visit Reports

Appendix D

Site Visit Reports

Site Visit Report 2002

Instructions to Field Teams for Writing Up Site Visit Reports

Among the points to remember in conducting and writing up case reports are the following:

The case reports are the data files we use for cross-site analysis. Please use the report format as a template in which you answer the questions in the order shown (deleting the elaborating material in italics). These case reports are not intended to be finished prose essays. It is important that you answer the questions where they are asked, even if that means repeating something you have said somewhere else in the report. When the reports are used as sources of information for preparing cross-site reports to the client, we want to be able to look only under the appropriate heading. Most questions come in multiple parts. Please answer each part.

The questions we ask require you to be both analytic and descriptive. When we ask you to make conclusions, be sure to buttress your argument with specific evidence. There may be times when you have a feeling about something or you believe something may be true but you don't really have evidence to support it. Be sure to include these hunches, but put them in parentheses and explain your uncertainties—it's OK to be informal in these reports—and important to be as complete as you can.

When answering each question, be sure to note who said it (e.g., "The principal reported that..." "All teachers interviewed, except the 11th grade math teacher, noted that..."). This does not mean that you are to insert each principal interview response and then each teacher response. We do expect a synthesis across those who responded, but it's important to note who said what—and interesting quotes and examples are welcomed.

The case reports are stand-alone documents. If you want to refer to other text (e.g., evaluation findings, program goals), please summarize the information and attach relevant pages. As we write our cross-site report, we will not have the time to search through extensive documentation on each site.

One case report is written on each school. Each field member is responsible for his/her own interviews, classroom(s) observed, and focus groups held, but the overall case report is the joint document of the field team. Each team member is to read and comment on the other's writing before the case is submitted. It is important to have different perspectives represented in the report—that's the advantage of team visits.

Again, please try to use direct quotes and to include anecdotes, especially those that may capture a particular feature of the program and how it works. This captures the distinct personalities and perceptions of key respondents and makes the case (and our cross-case analysis as well) more interesting. This is **very** important.

Overview

[This is a one to two page summary of the site visit. Begin by briefly characterizing the school itself (i.e., size, location, demographics, etc.). Then summarize the big picture on the following dimensions: status of implementation, unique features, challenges/obstacles encountered.]

Brief Description of School Context

Location, demographics, specific SLC structures (e.g., freshman academy or career academy for this visit, plus others) and strategies (e.g., block scheduling) that are implemented, etc. Did this structure predate the SLC funding, or was it a result of the grant? What other SLC components and/or other reform initiatives are active in the school?

[Keep this section relatively brief.]

Background and Experience of Respondents

[Please use the table below to characterize the participants in various aspects of the site visit. See attached sample.]

Method	Participants	Characteristics
Interviews	Principal	
	SLC director	
	Superintendent (or designee)	
	District-level SLC administrator	
	Teachers	
	Director(s) of guidance	
	University/Community partner	
Focus Groups	Teachers	
	Parents	
	Students	
Classroom Observation	Teachers	

Applying for the SLC Grant and Preparation for Implementation

Why did the district/school apply for the grant?

[Which issues were mentioned most often? Were there any differences across respondents in terms of the issues mentioned?]

Describe the decision-making process at the district and school levels (i.e., who was involved and how the decision was reached).

[Was this a district or school/community-based decision?]

Who were the primary advocates for the SLC in the district/school? What processes were used to gain buy-in and build consensus?

[Were all the advocates from one occupational group, or was there widespread consensus?]

[If there is more than one high school in the district and not all are participants]:

Why was this school chosen for the SLC grant?

[Do the district-level personnel agree with the school-level personnel? Were there identified problems that were expected to be addressed by the implementation of SLC?]

Why did this school choose its particular SLC structures (freshman academy/career academy)? Were any of the structures in place before the grant?

If the school has career academies, why were its particular themes chosen?

What is the relationship between the SLC grant and the other reform priorities for the district/school? What about state reform priorities?

What outreach, if any, did the school/district do to prepare for implementation of SLC?

SLC Implementation to Date

How is the freshman academy/career academy structured and organized? How has school organization been affected? Who reports to whom in the SLC?

What has the school done so far in implementing its SLC? What kinds of changes at the school and classroom level have been instituted?

Who are the active players in the implementation of the SLC grant? What do these individuals do?

What curriculum changes have been made in order to implement the SLC?

Has implementation included changes in student assessment practices?

Has implementation been associated with any changes in practices related to grouping students by achievement level?

Has implementation been associated with any changes in student services such as guidance, advising, etc.?

What role has professional development played in the implementation of SLC?

What challenges in implementation have come up, and how they have been addressed and/or resolved?

[Do the respondents agree with each other?]

Since the beginning of the SLC grant period, what changes have been made in the freshman academy/career academy program? Why were these changes made?

Factors Affecting Implementation

What do school staff and other constituents believe has helped the implementation process along?

[Mention the following, as applicable:]

- *Strong district support*
- *Capable principal and/or freshman academy/career academy director leadership*
- *High level of staff buy-in*
- *Perceived match of freshman academy/career academy to needs of the high school*
- *Adequate resources (financial, personnel, equipment, etc.)*
- *Perceived match of freshman academy/career academy to parent/community expectations for the high school*
- *Other]*

What do school staff and other constituents believe has impeded implementation?

[Mention the following, as applicable:]

- *Insufficient district support*
- *Inadequate principal and/or SLC director leadership*
- *Lack of staff buy-in*
- *Perceived mismatch of freshman academy/career academy to needs of the high school*
- *Insufficient resources (financial, personnel, equipment, etc.)*
- *Perceived mismatch of freshman academy/career academy to parent/community expectations for the high school*
- *Other]*

What role has the district played? Have any district level policies or initiatives affected freshman academy/career academy implementation?

[Examples include changes in course requirements, graduation requirements, scheduling, allocation of resources, etc.]

What impact have state and (non-SLC) federal policies and/or resources had on implementation of the freshman academy/career academy?

[Examples include statewide student testing requirements, changes in Title 1 funding, etc.]

Perspectives on and Roles within the SLC

Teachers. Other than teaching, how involved have teachers been? For example, do they serve on any academy-related committees? How has the degree of buy-in changed over time? How have teacher practices changed? Do they feel different about their interactions with students? Any other important themes that came up during the focus group.

Parents. To what degree have parents been involved? How satisfied are parents with the progress of the program to date? Do parents report any impact of the freshman academy/career academy on their child? Are there differences in responses depending on whether the child is in a freshman academy or a career academy?

Students. How did students enter the program? What are the important features of the program for students? How have their relationships with teachers changed? What effects on academics or future goals do students report?

Higher education or business partners. What roles have the higher education or business partner played in implementation of the freshman academy/career academy? How do partners view the program? What services do they provide?

Impact of the SLC

What kinds of effects do school staff and other constituents believe that the freshman academy/career academy has had?

- Students (attitudes, involvement, behavior, including violence, academics, relationships with each other and with staff)
- Staff (attitudes, involvement in the school, morale, instructional approaches, relations among each other)
- School organization and relationship with administration and with parents and community.

What types of outcomes are cited?

- **Process outcomes:**
[Examples: more focused curriculum; increased autonomy of academies; more collaborative leadership; more performance-based assessment; students matched with a designated adult; school instructional staff responsible for fewer specific students]
- **Shorter-term outcomes:**
[Examples: increased positive student behavior; decreased negative student behavior; students can articulate and feel accountable to expectations for behavior and academic performance; students are more satisfied with school and feel more sense of belonging; students feel closer to one or more teachers]
- **Longer-term outcomes:**
[Examples: improved student achievement; increased graduation rates (and lower dropout); increased post-secondary enrollment; and narrower achievement gaps]

How do they learn about and keep track of these changes?

[Do reports from different data sources agree on what the effects are? Do any of the cited effects match the reasons the school chose to implement SLC?]

What are constituents' expectations and hopes for the coming year in the SLC?

Reporting Format: 2004 Follow-up

The purposes of the follow-up are to (1) chronicle the status of implementation, including changes in the last year and signs of/prospects for institutionalization; (2) document and expand on what we know about the factors that facilitate implementation (especially in well-implemented programs); (3) explore how previous roadblocks (if any) have been addressed; and (4) follow up on key issues that emerged during the first round of site visits, such as the role of the district as a facilitator/inhibitor of implementation and the challenges posed by the need to serve diverse learners within SLCs. When they're available, you'll have a copy of the most recent Periodic Implementation Survey for your school.

The report begins with a one- to two-page overview that is a summary of the school's work with SLC and will be part of the appendix to our final report to ED. The next two sections ask for highlights of the current status and major changes in the last year and a brief description of the respondents. The largest portion of the report is comprised of two separate sections (Career Academies and Freshman Academies) that focus on implementation, professional development, and impact. The last four sections (Other SLC Implementation; School Context; District Context; and Sustainability of SLC) apply to all schools

Other than the overview, these case reports are confidential internal documents; they are the data files we use for cross-site analysis. Please use the report format as a template in which you answer the questions in the order shown (deleting the elaborating material in italics). These case reports are not intended to be finished prose essays; rather, they are profiles in process to which we refer, ask questions of, and link with the previous report on this school. **It is important that you answer the questions where they are asked, even if that means repeating something you have said somewhere else in the report.** When the reports are used for preparing cross-site reports, we want to look only under the appropriate heading. Many questions come in multiple parts, all of which should be answered (even if the answer is "not applicable").

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When answering each question, be sure to note who said it (e.g., "The principal reported that..." "All teachers interviewed, except the 11th grade math teacher, noted that..."). This does not mean that you are to insert each response you got to every question. We do expect a synthesis across those who responded, but it's important to note who said what—and interesting quotes and examples are welcomed.

The case reports are stand-alone documents. If you want to refer to other text material (e.g., evaluation findings, program goals), please summarize the information and attach relevant pages. As we write our cross-site report, we can't search through extensive documentation on each site. Again, please try to use direct quotes and to include anecdotes, especially those that may capture a particular feature of the program and how it works, or a particularly striking example of facilitating/inhibiting factors, or a particularly clear instance of how a program has addressed the issue of sustainability. These concrete examples capture the distinct personalities and perceptions of key respondents and make the case (and our cross-case analysis as well) more interesting and ultimately more useful.

School Name:
 Date:
 Visitors:
 Type: ___ CA [or ___ CA + FA]
 ___ FA (only)

Implementation Study of Smaller Learning Communities: Site Visit Report 2004

Overview

[This is a one to two page summary of the findings from the interviews. Summarize the big picture on the following dimensions: status of implementation, including changes from last year; context of other SLC emphases (in addition to the freshman academy/career academy); context of other reform efforts and funding streams; role of the district; facilitators of implementation; challenges/obstacles encountered; perceived impact; and prospects for sustainability. NOTE: This Overview will be included in the Appendix of the final report to the U.S. Department of Education and therefore must not name individuals, schools, or districts.]

Brief Description of Current Status and Major Changes in the Last Year

[This section should be kept to one paragraph for each topic (status and changes). What is the major thrust of the SLC now? What are the major program elements? With respect to changes, mention such issues as major increases/decreases in enrollment or changes in student demographics; major changes in school organization (e.g., splitting into smaller schools); turnover in senior staff, including the SLC Coordinator if there was one in the past; changes in program design; and major changes in school or district priorities or people that have influenced SLC.]

Background and Experience of Respondents

[Please use the table below to characterize the participants in the follow-up interview. Focus on such factors as years on the job and previous job (if new to this one).]

Participants	Interviewed Before or New to Study?	Characteristics
Principal		
SLC Director		
District-level administrator		
Other involved person		
Other involved person		
Other involved person		

Career Academies (Complete this section if CA was the focus of the original site visit)

Current status of implementation

- Is the career academy that was funded under the federal SLC grant still in operation? If so, how is it supported? (Carryover? Other funds? General school budget?)

Other?) Have some functions been shifted from grant funds to other funds?) If not, how and why did the program end?

- How does the program describe itself: “career academies,” “career pathways,” or some other term? Why? (*Are they avoiding looking like “Voc Ed” or avoiding “steering” students too “narrowly”?*) Has this changed in the last year?
- How is the career academy currently structured and organized (i.e., governance, scheduling, teacher teaming, location)? Who reports to whom in the career academy?
- What is the current state of implementation of the career academy? How does the curriculum differ from that of other students who are not in career academies (if any)? Are there differences in curriculum across academies? What services do students receive? (*Focus especially on what services or distinctive opportunities students receive by virtue of being in the career academy. See topics below for issues to address. “*” designates the most important issues.*)
 - *Themes offered
 - How faculty and staff are selected to teach courses related to the career academy theme(s)
 - How faculty and staff in core areas such as English or mathematics are assigned to career academies
 - How students enroll in the various career academies
 - *Students’ enrollment patterns in the various academies, e.g., changing demographics, different patterns of selection, percentage of students served out of the total, etc. (*Are there any patterns, e.g., high-achieving students choosing one particular academy, in how students select academies? Are these patterns congruent with the school’s goals? If students choose, are there any controls on the choices in order to maintain balance in numbers, gender, SES, race, or achievement status?*)
 - Students’ course-taking patterns (including core academic courses) across academies (*Has the amount of flexibility changed? Can a student have more than one “major”?*)
 - Student’s ability to transfer across academies
 - Student assessment procedures (e.g., performance assessment, use of portfolios)
 - *How the needs of diverse learners are met
 - *Grouping students by achievement level
 - *Opportunities for career learning (e.g., job shadowing, internships, etc.) (*How closely related to the career academy are these? Are they related to prior school-to-career initiatives? It may help to get materials sent to you.*)
 - Staff-student interaction (ratio, how matched, etc.)
 - Involvement of other institutions (e.g., university or business partners or local employers, focusing on intern/externships for students or faculty, etc.)
 - *Resource allocation (sources of funding, etc.)
 - Involvement of parents
- What changes have there been in any of the above areas in the past year?
- Why did these changes take place?

- Describe any steps the school has taken to facilitate the transition to postsecondary education for students graduating from the career academy.
- [FOR SCHOOLS THAT ALSO HAVE A FRESHMAN ACADEMY] How is the freshman academy program articulated with the career academy? (*This includes things like 9th grade courses designed to orient students to career concepts, etc.*) Has this relationship changed in the last year?

The role of professional development

- What role has professional development (PD) played in the implementation of the career academy, especially in the last year? Indicate approximately what proportion of the total SLC budget has been spent on PD specific to career academy implementation. What PD topics have been covered that relate to the career academy?
- [IF PD utilized] Has the role of professional development changed over time?
- What has been the most important contribution of PD to the implementation of the career academy?

Implementation issues and challenges

- To what extent have their hopes for the program for this past year been realized? (*This is related to last year’s question that elicited their hopes for the coming year.*)
- To what extent do respondents feel that their model for a career academy is “fully implemented?” What goals did they have, and what evidence did they use to determine how fully implemented they are? Do they anticipate being able to reach full implementation?
- Describe the important **facilitators** of implementation of the career academy—have these changed in the last year?
- Describe the important **inhibitors** of implementation of the career academy—have these changed in the last year?
- Factors to consider (as either facilitators, inhibitors, or both; “*” designates the most important issues):
 - *District support and the district reform context
 - *State and (non-SLC) federal policies and/or resources (e.g., No Child Left Behind) (*Does the state have career competency requirements?*)
 - *Mandated student assessments (include details, e.g., shifts in resources toward English and math away from career courses, time spent on test prep, etc.)
 - *Leadership by the principal and lead administrators
 - *Staff buy-in
 - *Serving the needs of distinct populations of learners (e.g., talented/gifted, special education, ELL)
 - Perceived match of career academy to needs of the high school
 - Resources (financial, personnel, physical structure of the school building(s), equipment, etc.)
 - *Comprehensive School Reform (CSR) funds or other non-SLC funds

- Perceived match of career academy to parent/community expectations for the high school
- Availability of career education opportunities in the community for students
- Other

Impact of the career academy

What types of goals for impact on students, staff, and the school as a whole did school staff and other constituents have?

- Students (academic achievement; dropout/promotion; attitudes; involvement; behavior, including violence; relationships with each other and with staff)
 - Staff (attitudes, involvement in the school, morale, instructional approaches, relations with each other)
 - School organization and relationships with administration and with parents and community.
- Were these goals for change realized? If yes, how did the career academy contribute to these changes? If the goals were not realized, to what do they attribute the lack of change?
 - Were there any unanticipated outcomes?

Freshman Academies (Complete this section if FA was the focus of the original site visit)

Current status of implementation

- Is the freshman academy that was funded under the federal SLC grant still in operation? If so, how is it supported? (Carryover? Other funds? General School budget? Other?) Have some functions been shifted from grant funds to other funds? If not, how and why did the program end?
- Are there distinct “themes” in the freshman academy(ies)? If yes, describe them.
- How is the freshman academy currently structured and organized (i.e., governance, scheduling, teacher teaming, location)? Who reports to whom in the freshman academy?
- What is the current state of implementation of the freshman academy? How does the curriculum differ from that of other students who are not in freshman academies (if any)? Are there any differences in curriculum across academies? Are there any special literacy/ freshman English programs, with or without interdisciplinary features? Are there any common freshman math programs (especially algebra, with or without integrated math)? Is there a course designed to help students pick career pathways or academies? What services do students receive? (*Focus especially on what services or distinctive opportunities students receive by virtue of being in the freshman academy. See topics below for issues to address. “*” designates the most important issues.*)
 - *Themes offered (if any)
 - *How faculty and staff are selected to participate in the freshman academy
 - How students enroll in the freshman academies (*Do students have any choice? Are all groups alike or do they differ across various types of students?*)
 - Policy with respect to students who are repeating 9th grade

- Students’ course-taking patterns (*Do students take any courses outside the freshman academy?*)
 - Student assessment procedures (e.g., use of portfolios)
 - *How the needs of diverse learners are met
 - *Grouping students by achievement level
 - *Opportunities for career learning (e.g., job shadowing, preparation courses for choosing a career pathway or academy)
 - Staff-student interaction (ratio, how matched, etc.)
 - Involvement of other institutions (e.g., university or business partners or local employers, focusing on intern/externships for students or faculty, etc.)
 - Resource allocation (sources of funding, etc.)
 - Involvement of parents
- What changes have there been in any of the above areas in the past year?
 - Why did these changes take place?
 - In what ways (if any) is the freshman academy program articulated with students’ programs in 10th through 12th grades? Has this changed in the last year?

The role of professional development

- What role has PD played in the implementation of the freshman academy, especially in the last year? Indicate approximately what proportion of the total SLC budget has been spent on PD specific to freshman academy implementation. What PD topics have been covered that relate to the freshman academy?
- [IF PD utilized] Has the role of professional development changed over time?
- What has been the most important contribution of PD to the implementation of the freshman academy?

Implementation issues and challenges

- To what extent have their hopes for the program for this past year been realized? (*This is related to last year’s question that elicited their hopes for the coming year.*)
- To what extent do respondents feel that their model for a freshman academy is “fully implemented?” What goals did they have, and what evidence did they use to determine how fully implemented they are? Do they anticipate being able to reach full implementation?
- Describe the important **facilitators** of implementation of the freshman academy—have these changed in the last year?
- Describe the important **inhibitors** of implementation of the freshman academy—have these changed in the last year?
- Factors to consider (as either facilitators, inhibitors, or both; “*” designates the most important):
 - *District support and the district reform context
 - *State and (non-SLC) federal policies and/or resources (e.g., No Child Left Behind)

- *Mandated student assessments (include details; e.g., shifts in resources toward English and math and away from other courses such as advisory; time spent on test prep, etc.)
- *Leadership by the principal and lead administrators
- *Staff buy-in
- *Serving the needs of distinct populations of learners (e.g., talented/gifted, special education, ELL)
- Perceived match of freshman academy to needs of the high school
- Resources (financial, personnel, physical structure of the school building(s), equipment, etc.)
- *Comprehensive School Reform (CSR) funds or other non-SLC funds
- Perceived match of freshman academy to parent/community expectations for the high school
- Other

Impact of the freshman academy

- What types of goals for impact on students, staff and the school as a whole did school staff and other constituents have?
 - Students (academic achievement; dropout/promotion; preparation for the rest of high school; attitudes; involvement; behavior, including violence; relationships with each other and with staff)
 - Staff (attitudes, involvement in the school, morale, instructional approaches, relations with each other)
 - School organization and relationships with administration and with parents and community.
- Were these goals for change realized? If the goals were not realized, to what do they attribute the lack of change? If yes, how did the freshman academy contribute to these changes?
- Were there any unanticipated outcomes?

(The rest of the reporting format applies to all schools.)

Other SLC Implementation

- In addition to the career academy [career academy plus freshman academy for applicable schools] or freshman academy, what other SLC structures, if any, is the school currently implementing? (*Career/freshman academy, house plan, school-within-a-school, magnet school.*) When did these other initiatives begin? How do(es) this/these SLC structure(s) relate to the career academy/freshman academy? Has this changed in the last year?
- What SLC strategies (e.g., block scheduling, career clusters/pathways/majors, adult advocates/mentors, teacher advisory programs, or teacher teams) are currently being implemented by the school? How do(es) this/these SLC strategy(ies) relate to the career academy/freshman academy?

- Of the various structures/strategies implemented in the school, which are regarded as most central to the SLC effort, and why?

School Context for SLC Implementation

- Have there been steps taken either to **increase the rigor** of the school's curriculum or to **remediate** low levels of reading or math achievement? What are the initiatives, specifically in literacy and math? What is the relationship between this (these) changes and the SLC? (Facilitative? Competing?)
- During the last year, have there been any changes in how decisions are made in the school? If so, how? What has changed, and is this change related to the freshman academy/career academy? (*Examples include team meetings, changed administrative structure, etc.*)
- (*Asked of principal or SLC director only.*) In what major areas have the federal SLC funds been spent? What has been the major cost of implementing the SLC? Has the school needed to reallocate other resources in order to implement the SLC? What have respondents learned about cost-efficient ways to maintain the SLC? Do any outcomes attributed to the program (e.g., lowered dropout) justify the costs?
- (*If the school has other outside sources of funding.*) Do the non-SLC external sources of funding support the school's SLC efforts? If so, how, and have there been any changes in the last year?
- (*If the school has other concurrent reform initiatives.*) Name and describe the other reform initiatives that are active in the school (e.g., First Things First). Are these other initiatives coordinated with SLC, and if so, how? Have there been any changes in the focus of this/these reform initiative(s) during the last year? Have these changes had any effect on the SLC program?

District (and State) Context for SLC Implementation

(In this section note agreements and disagreements between school-based and district-based respondents in the answers to these questions)

- What role did the district play in the bringing the SLC grant to the school?
- What role has the district played during the implementation of the grant? How supportive has the district been of the school's goals for implementation? How has that support/nonsupport been demonstrated?
- Have there been any changes in the district's reform policies? If so, what are the changes, and how have they affected the SLC program?
- Are there any contradictions between the reform priorities of the district and the SLC program, and if so, have they changed?
- Have there been any other changes, not directly part of SLC, that have affected its implementation or operation? If so, describe these changes and their impact on the SLC program (*e.g., change in student demographics due to an influx of immigrants, district budget cuts, union issues, etc.*)

- Have any reform priorities, activities or changes at the state level affected the operation of the SLC?

Sustainability of SLC

- Is the school is still using funds from the SLC grant this year (2003-2004)? If so, for how much longer will the school have SLC funds? How are the funds used? To what degree is the SLC now paid for by general school funds?
- If there was formerly a paid SLC director, how are these functions now being performed?
- Which elements of the SLC initiative is the school sustaining/does the school intend to sustain, and what specific plans are in place to make sustainability possible? What elements, if any, will be discontinued?
- *(If elements of the program are being maintained.)* How does the district plan to fund the elements that are being maintained?
- Who are the primary advocates for SLC in the school now, if any? To what extent, if any, has this changed in the last year? *(Report job or role titles, not names.)*
- What are the primary supports and the primary obstacles to continuing the SLC implementation after the federal funding is over? *(Make sure to include material on factors that have proven to be important in our earlier analyses: the role of the district, the challenge of serving diverse learners, staff buy-in, administrative capability and support, physical space, etc. What lessons are there for the field?)*

Analytic Summary

This is the place to summarize (in about two paragraphs) your analysis of the “true story” of this school and its implementation of SLC. It is important that you cite evidence to back up your interpretation. What worked? What did not? Why? What are the long-term prospects for SLC in this school?

Appendix E

SLC Schools' Demographic Characteristics, 1996–97 Through 2001–02

Appendix E

Demographic Characteristics

Exhibit E.1

SLC Schools' Demographic Characteristics, 1996–97 Through 2002–03

Category	School Year						
	1996–1997 (<i>n</i> =111) ^a	1997–1998 (<i>n</i> =115)	1998–1999 (<i>n</i> =116)	1999–2000 (<i>n</i> =116)	2000–2001 (<i>n</i> =117)	2001–2002 (<i>n</i> =114)	2002–2003 (<i>n</i> =114)
Mean school enrollment	1,865	1,922	1,947	1,963	1,957	1,936	2,012
Student race categories (%)^b							
American Indian or Alaska Native	1%	1%	1%	1%	1%	1%	1%
Asian	5	5	5	5	5	5	5
African American	26	27	28	26	27	28	27
Hispanic	26	24	25	26	26	29	29
Native Hawaiian/Pacific Islander	1	1	1	1	1	1	2
White	40	40	39	40	39	36	36
More than one race	<1	<1	<1	<1	<1	<1	1
Student demographics (%)							
LEP-ELL	10%	10%	10%	11%	11%	12%	11%
Students with disabilities	7%	9%	9%	9%	10%	11%	11%

Percentages based on unweighted averages across schools.

Notes: a *n* = number of schools reporting data for that year.

b Column percentages may not add to 100 percent due to rounding error.

Source: Implementation Study of Smaller Learning Communities, Annual Performance Report, SY 1996–1997 through 2002–2003.

Appendix F

Additional Exhibits, by SLC Structure

Appendix F

Additional Exhibits, by SLC Structure

Exhibit F.1

Percentages of Schools Reporting Various Impacts of SLC on Students' Academic Outcomes by SLC Structure

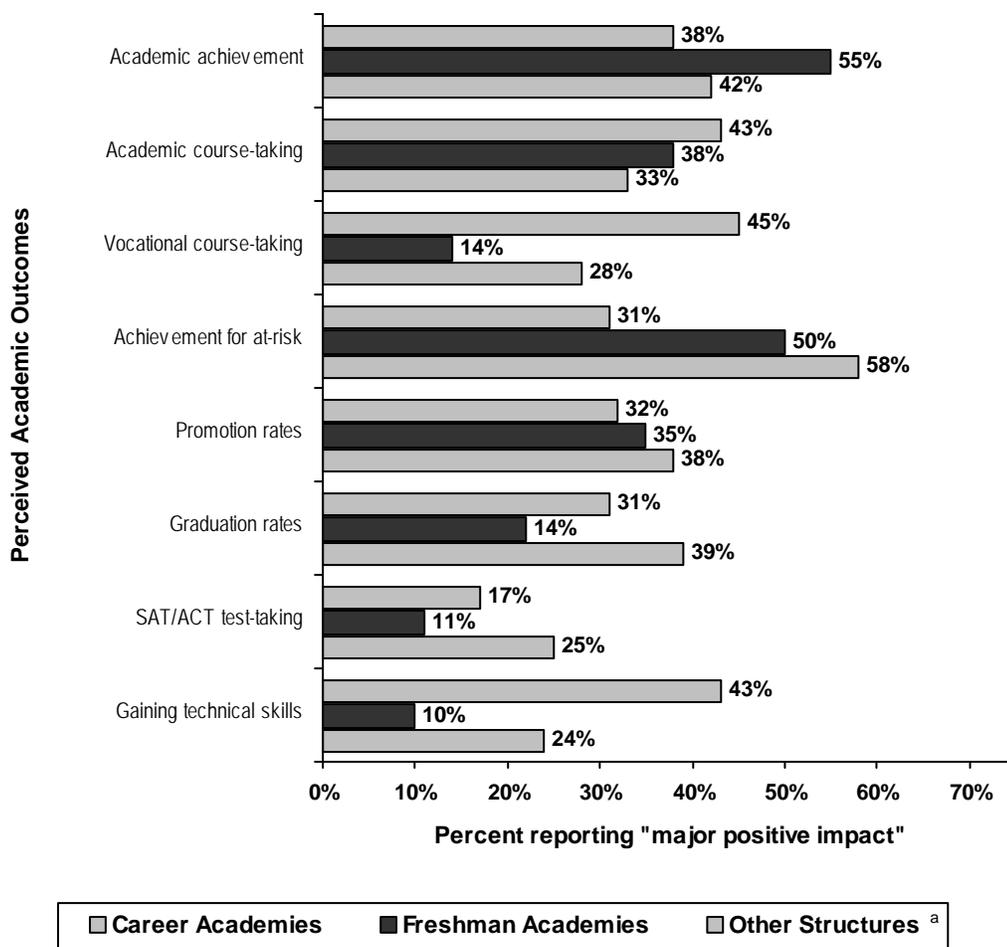


Exhibit reads: Forty-two percent of schools report that their career academies had a “major positive impact” on student academic achievement.

Note: a “Other structures” = house plans, schools-within-a-school, and magnet schools.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Modules, Question 19: “SLCs are designed to have certain outcomes. What impact do you perceive your school’ [SLC structure] has had on each of the following outcomes for its students up through the 2002–2003 school year? (Check one per row.)”

Exhibit F.2

Percentages of Schools Reporting Various Impacts of SLC on Students' Behavioral and Attitudinal Outcomes by SLC Structure

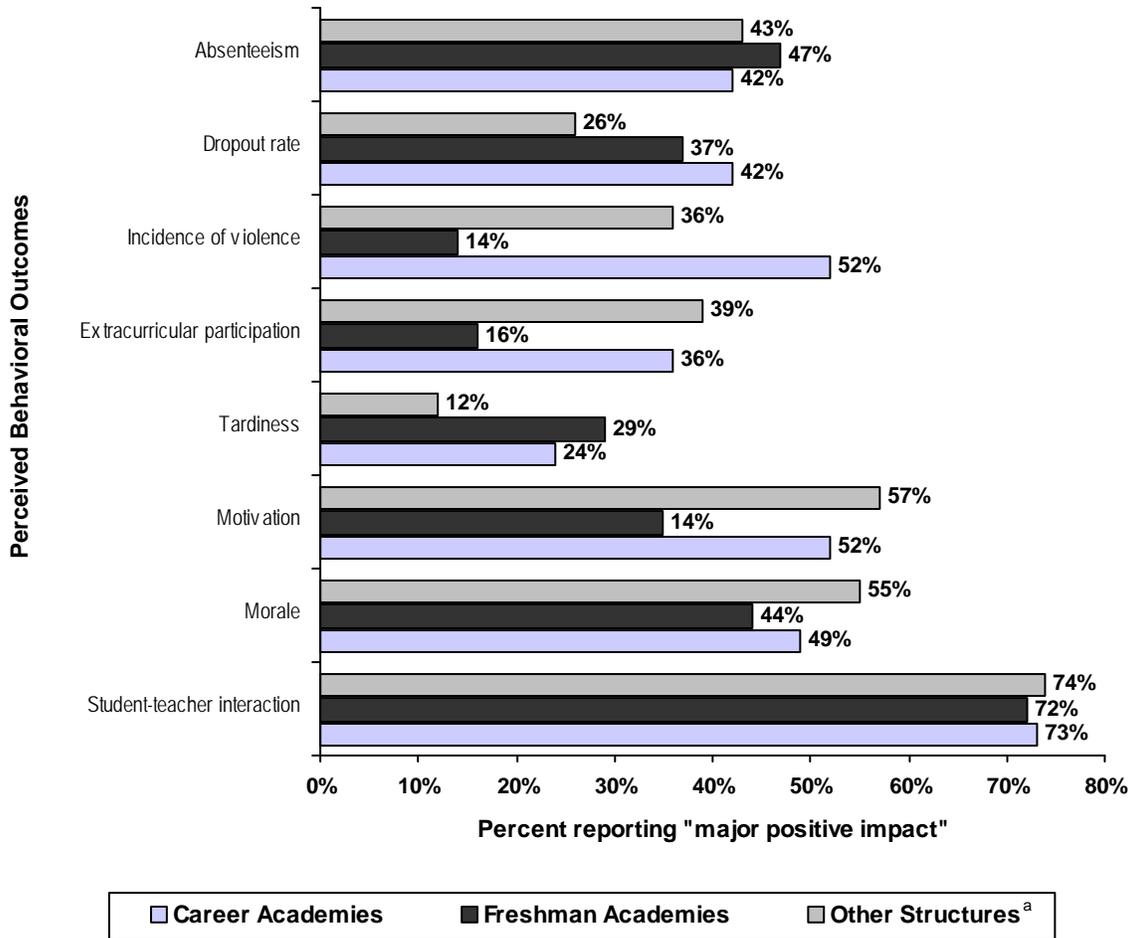


Exhibit reads: Forty-two percent of schools report that their career academies had a “major positive impact” on absenteeism.

Note: a “Other structures” = house plans, schools-within-a-school, and magnet schools.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Modules, Question 19: “SLCs are designed to have certain outcomes. What impact do you perceive your school’ [SLC structure] has had on each of the following outcomes for its students up through the 2002–2003 school year? (Check one per row.)”

Exhibit F.3

Percentages of Schools Reporting Various Impacts of SLC on Teacher and Parent Outcomes by SLC Structure

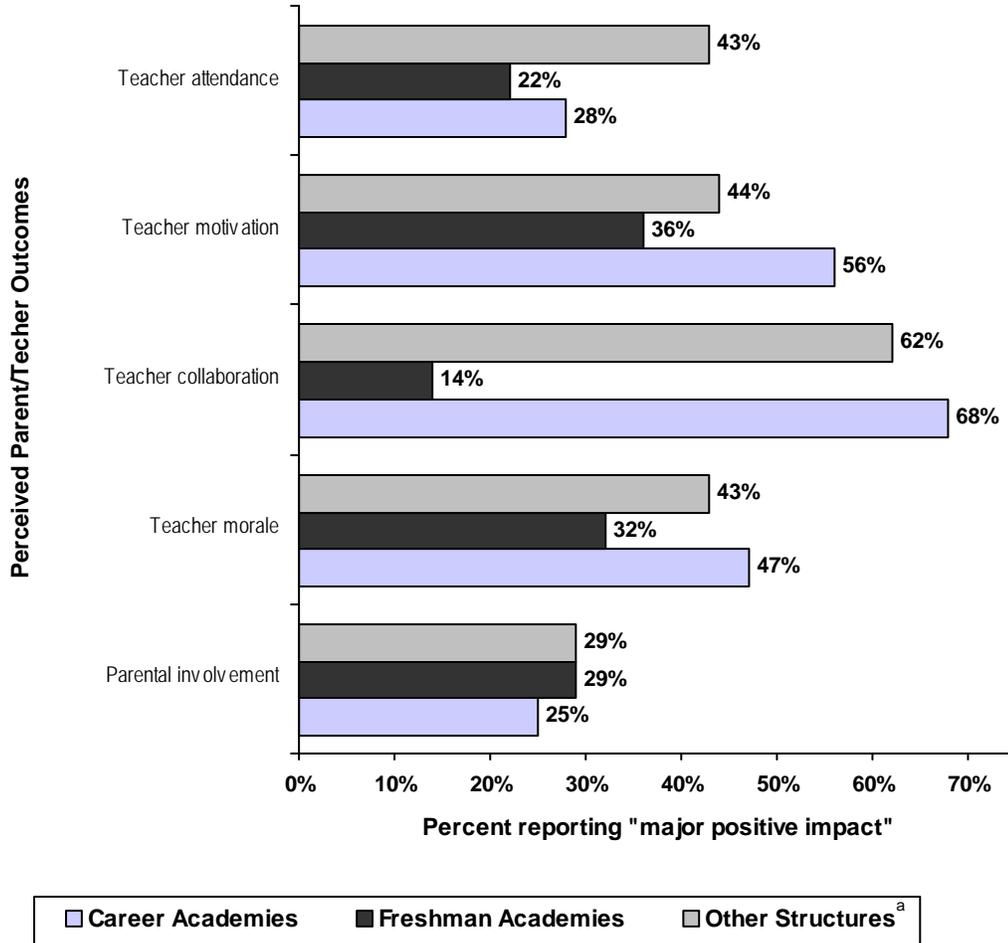


Exhibit reads: Twenty-eight percent of schools report that their career academies had a “major positive impact” on teacher attendance.

Note: a “Other structures” = house plans, schools-within-a-school, and magnet schools.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Survey, 2003, Modules, Question 19: “SLCs are designed to have certain outcomes. What impact do you perceive your school’ [SLC structure] has had on each of the following outcomes for its students up through the 2002–2003 school year? (Check one per row.)”

Exhibit F.4

Percentages of SLC Schools Reporting Using Federal SLC Programs to Support New SLC Structures, by SLC Type

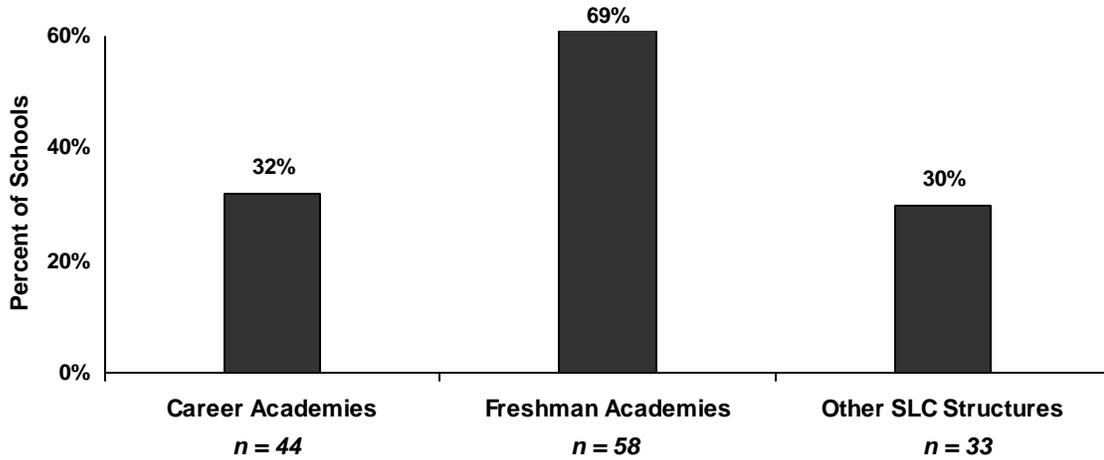


Exhibit reads: In 32 percent of SLC schools with career academies, implementation of career academies is new as a result of the federal SLC program.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Module Question 4: “Is your implementation of Career Academies new as a result of the federal SLC program?”

Exhibit F.5

Percentages of SLC Schools Reporting Various Rates of Progress Toward Full Implementation, by SLC Type

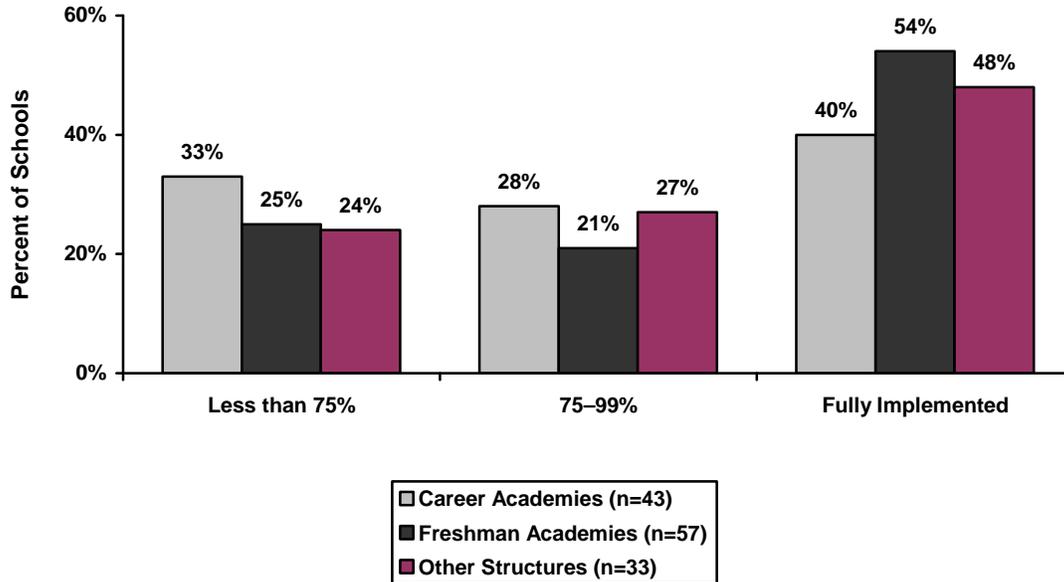


Exhibit reads: Among schools implementing career academies, 40 percent indicate having fully implemented career academies.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003, Module Question 2: “Based on your plans for your federally funded SLC program implementation, please indicate, as a percentage, your school’s progress towards full implementation of your Career Academy.”

Exhibit F.6

Percentage of SLC Schools Reporting Various Levels of Physical Separateness for SLC Program, by SLC Type

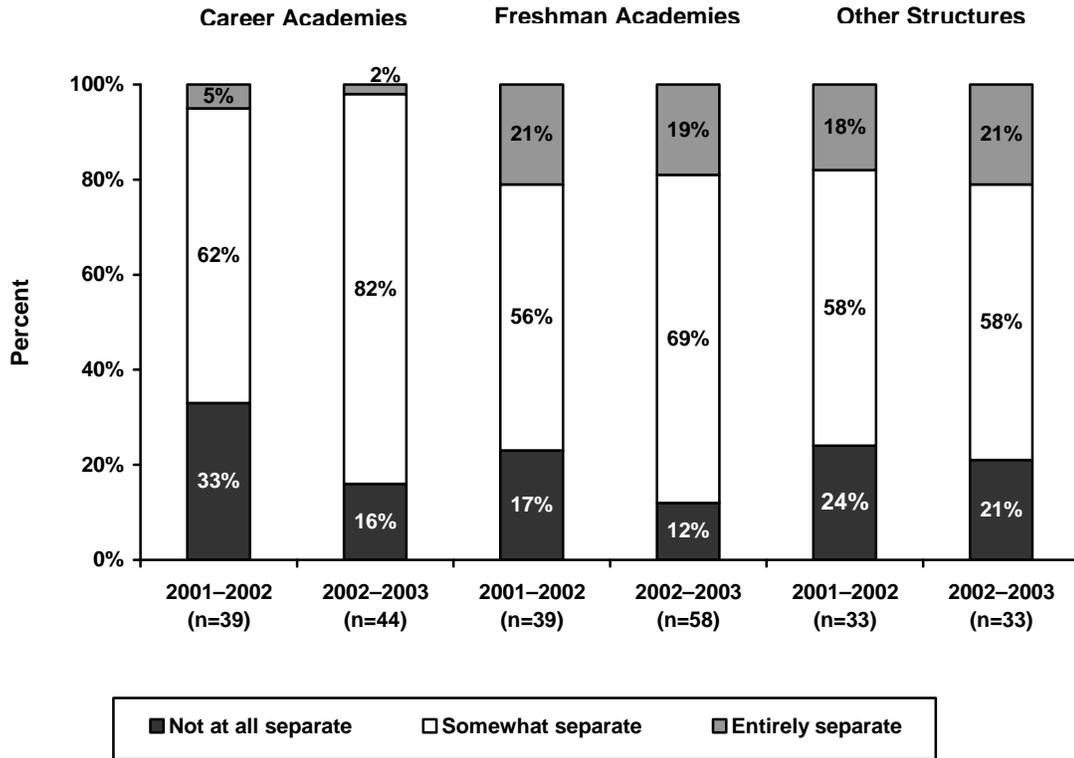


Exhibit reads: Of schools implementing career academies in 2001-2002, 62 percent indicated that their career academies were somewhat physically separate from the rest of the school.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Surveys, 2002, Modules Question 9, 2003, Modules Question 10: "Is there a separate physical space set aside for students in the [SLC] program at your school?"

Exhibit F.7

Average Percentage of Time That Students Spend in Separate Physical SLC Space, Among Structures That Have Separate Physical Space, by SLC Structure

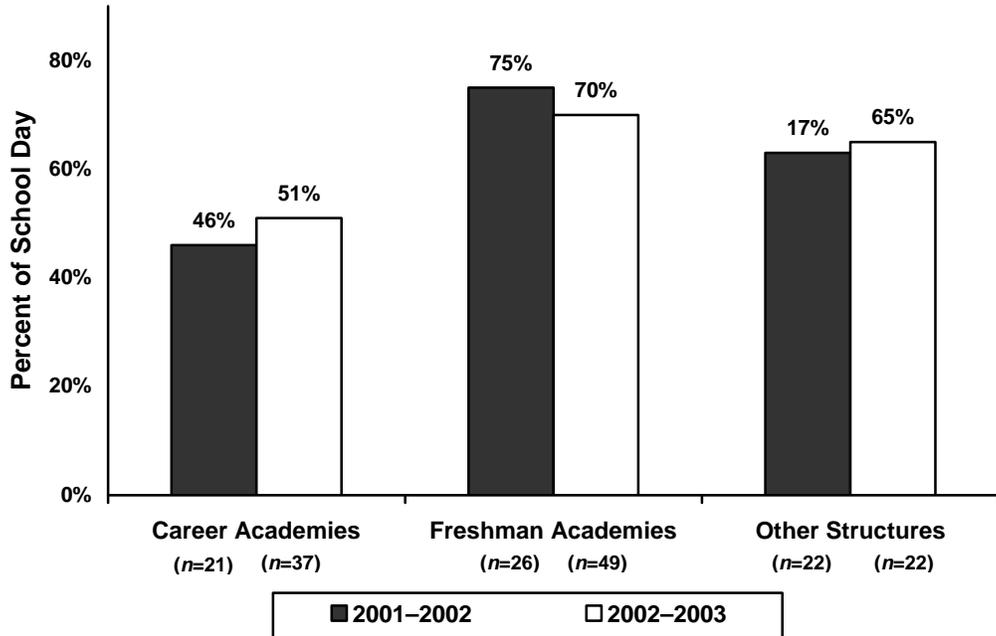


Exhibit reads: Within career academies that were at least somewhat separate from the rest of the school, students spent an average of 46 percent of the school day in the career academy space during the 2001-2002 school year.

Source: Implementation Study of Smaller Learning Communities: Periodic Implementation Surveys, 2002, Modules Question 9A, 2003, Modules Question 10A: “If your structure has a separate physical space, what percent of time, on average, do students spend in there?”

Appendix G

Measuring Personalization: Technical Summary

Appendix G

Measuring Personalization: Technical Summary

The discussion in this section is meant to provide a technical summary of the statistical methods used to develop the personalization constructs described in Chapter 3. These methods are summarized below.

Cluster Analysis

Three substantive groupings were suggested by correlations run across the 14 indicators of personalization (Exhibit G.1). These are listed below, followed by the actual survey items comprising each grouping. (Labels for each survey item are also provided to allow for easier interpretation of Exhibit G.1.)

1. Fostering individual student and staff relationships
 - Students keep same homeroom teacher throughout high school (HOMEROOM)
 - Teachers serve as advisors and mentors (ADVISOR)
 - School has formal mentoring program (MENTOR)
 - Percentage of students assigned to mentor (PERCENT)
 - Frequency of student and mentor meetings (MEETING)
2. Individualized assessment and classroom practices
 - Independent study available in core academic classes (INDEPEND)
 - More varied student assessments used (VARIED)
 - Cooperative learning focus integrated into curriculum (COOPERATE)
 - Student evaluations of teachers being used (EVALUATE)
 - Individualized assessments used throughout schools (ASSESS)
 - Individualized assessments required for graduation (GRADUATE)
3. Teacher teaming and class-size reduction
 - Students taught by same cluster of teachers for multiple years (CLUSTER)
 - Classes smaller than before (SMALLER)
 - Teachers responsible for smaller number of students than before (STUDENTS)

Examination of the correlation matrix displayed in Exhibit G.1 supported the hypothesis that variables should be grouped to create three different constructs for personalization. Variable cluster analysis (Oblique Principal Component Cluster Analysis) was therefore used to separate variables into optimal group variables, so that the maximum amount of shared variation among variables is explained. The results from this analysis displayed in Exhibit G.2 confirmed the three variable clusters identified via the correlation matrix.¹ That is, the three specified groups accounted for half of the variation across the 14 variables of interest, with the percentage of variation explained with clusters or groups of variables ranging from 38 to 63 percent. The column labeled “R² with own cluster” describes the degree to which each variable is related to its cluster, with the last column

¹ See Chapter 3 for an explanation of cluster and variable names.

Exhibit G.1**Correlation Matrix of Personalization Variables, Organized Into Substantive Groupings (n=105)**

	Fostering Individual Student/Staff Relationships					Individualized Assessment and Classroom Practices						Teacher Training and Class-Size Reduction	
	HOMEROOM	ADVISOR	MENTOR	PERCENT	MEETING	INDEPEND	VARIED	COOPERATE	EVALUATE	ASSESS	GRADUATE	CLUSTER	SMALLER
ADVISOR	0.39***												
MENTOR	0.29**	0.52***											
PERCENT	0.41***	0.44***	0.78***										
MEETING	0.32***	0.44***	0.91***	0.73***									
INDEPENDENT	0.04	0.21*	0.08	0.02	0.04								
VARIED	0.04	0.20*	0.18	0.08	0.13	0.16							
COOPERATE	0.13	0.24*	0.08	0.1	0.06	0.28**	0.42***						
EVALUATE	0.08	0.14	0.05	-0.01	0.02	0.19	0.21*	0.18					
ASSESS	-0.18	-0.03	-0.08	-0.09	-0.12	0.27**	0.38***	0.23*	0.08				
GRADUATE	-0.04	0.19*	0.05	0.01	-0.03	0.32***	0.30**	0.15	0.22*	0.36***			
CLUSTER	-0.02	0.16	-0.09	-0.1	-0.12	0.04	0.20*	0.20*	0.02	0.11	0.08		
SMALLER	0.04	0.27**	0.1	-0.01	0.15	0.25**	0.28**	0.15	0.06	0.1	0.12	0.25**	
STUDENTS	-0.15	0.26**	0.13	0.08	0.14	0.04	0.1	0.06	0.14	0.1	0.05	0.05	0.39***

Exhibit reads: The correlation between ADVISOR (Teachers serve as advisors and mentors) and HOMEROOM (Students keep same homeroom teacher throughout high school) is equal to .39, significant at the .001 level.

*p < .05 **p < .01 ***p < .001

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

“Proportion variation explained” summarizing the amount of shared variation among the variables in that cluster. The column labeled “R² with next closest cluster” serves to further validate the variable groupings as evidenced by the low amount of variation with other clusters of variables. The row labeled “Total” indicates that these three clusters account for half the variation across the 14 variables of interest (49.5 percent).

Exhibit G.2

Results of Analysis Clustering Personalization Variables Into Three Distinctive Substantive Groupings (n=105)

	R ² with Own Cluster	R ² with Next Closest Cluster	Proportion Variation Explained
<i>Cluster 1 (Fostering individual student/staff relationships)</i>			
HOMEROOM	0.29	0.00	
ADVISOR	0.46	0.11	
MENTOR	0.85	0.01	
PERCENT	0.76	0.00	
MEETING	0.81	0.01	
			.634
<i>Cluster 2 (Individualized assessment and classroom practices)</i>			
INDEPEND	0.35	0.03	
VARIED	0.49	0.08	
COOPERATE	0.38	0.03	
EVALUATE	0.20	0.01	
ASSESS	0.43	0.02	
GRADUATE	0.42	0.01	
			.378
<i>Cluster 3 (Teacher teaming and class-size reduction)</i>			
CLUSTER	0.53	0.02	
SMALLER	0.25	0.03	
STUDENTS	0.71	0.07	
			.496
Total			.495

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

Principal Components Analysis

Lastly, principal components analysis was employed to weight optimally the contribution of each variable to its respective cluster in creating three continuous composite variables. Exhibit G.3 presents weights assigned to variables within each cluster. Within each of the three clusters, weights are all positive and of similar values, suggesting that each variable is contributing similarly to its respective cluster.

Exhibit G.3**Results of Principal Components Analysis Creating Optimal Weights for Variables Within Each of the Three Personalization Clusters (n=105)**

	Weight^a
<i>Cluster 1 (Fostering individual student/staff relationships)</i>	
HOMEROOM	0.30
ADVISOR	0.38
MENTOR	0.52
PERCENT	0.49
MEETING	0.50
<i>Cluster 2 (Individualized assessment and classroom practices)</i>	
HOMEROOM	0.39
ADVISOR	0.46
MENTOR	0.41
PERCENT	0.29
MEETING	0.43
GRADUATE	0.43
<i>Cluster 3 (Teacher teaming and class-size reduction)</i>	
CLUSTER	0.59
SMALLER	0.41
STUDENTS	0.69

Note: a Eigenvector values for each variable within the first principal component are utilized to weight variables.

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

These weights were then used to create composite variables to represent the three distinct types of personalization strategies in which schools could be invested. Descriptive statistics for the three composites are displayed in Exhibit G.4.

Exhibit G.4**Descriptive Statistics for Personalization Composite Variables (n=105)**

Composite	Mean	SD	Median	25th percentile	75th percentile
Cluster 1: Fostering individual student/staff relationships	0.00	1.78	-0.37	-1.87	1.45
Cluster 2: Individualized assessment and classroom practices	0.00	1.51	0.42	-1.32	1.35
Cluster 3: Teacher teaming and class-size reduction	0.00	1.22	-0.36	-1.21	1.13

Source: Implementation Study of Smaller Learning Communities, Periodic Implementation Survey, 2003.

Values that these composite variables take on were created as follows. In the process of contributing to an overall composite score, individual variables are standardized by calculating the difference between an individual observation and a variable's mean value and dividing that by the variable's standard deviation. That is,

$$X_{1i}^* = \frac{X_{1i} - \bar{X}_1}{SD_{X_1}}$$

In the case of Cluster 1, therefore, a composite value for an individual school (C_{1i}) is calculated as follows:

$$C_{1i} = .30 X_{1i}^* + .38 X_{2i}^* + .52 X_{3i}^* + .49 X_{4i}^* + .50 X_{5i}^*$$

Where an individual school is not implementing many of the strategies within a particular cluster, standardized scores for individual variables within that cluster and the resulting composite will be negative. Composite scores therefore are scaled to center on 0 and have a standard deviation of 1. Nevertheless, for each of the three composites, higher values suggest that a school is very invested in using personalization strategies in that particular area, whereas lower values suggest that a school is not.²

² In all three instances, the composites are not normally distributed, that is, they are skewed to the extent that the median does not equal the mean. A median higher than the mean for the first composite, as compared to the next two composites, indicates more schools scoring higher on the construct measuring classroom and assessment strategies focused on individualization.

Appendix H

Career and Freshman Academy Overviews

Appendix H

Career and Freshman Academy Overviews

Career Academy Overviews

High School A

School Context

High School A is located in a university town and has been in operation for over 36 years. One of four high schools in the district, it serves approximately 1,500 students in grades 9–12 and has about 65 faculty and 32 support staff. It enrolls a predominantly white student population who came from a mixture of middle and working class families. Minority students comprise under 20 percent of the student body: Asian American, 4 percent; Hispanic, 6 percent; Native American, 3 percent; and African-American, 3 percent. Approximately 17 percent of the school’s population qualify for free or reduced-price lunches (www.greatschools.net).

Prior to SLCs

Prior to receiving the grant, High School A had implemented block scheduling for all students. The schedules differed according to whether it is a “red” day or a “blue” day; “red” and “blue” days alternated. In 9th- and 10th-grades, English and social studies teachers were teamed together in the blocks, but little else was in place. Prior to receiving the grant, the school had implemented three SLCs:

- **International High School (IHS).** Approximately 300 students spent half of their day with a team of teachers within the program’s focus area and the rest of their day meeting other high school requirements outside of IHS. The program had open enrollment, although it tended to attract capable students. If they wished, students could pursue an International Baccalaureate.
- **Alternative High School.** This program was self-contained and served approximately 150 students for whom the traditional high school structure did not work. It had a separate space and a distinctive schedule.
- **Career Academy Program.** This program served approximately 110 students in grades 11 and 12. It was a career academy with an emphasis on natural resources. Students participated in field studies, seminars, and online learning in their half-day in the program with a team of teachers. For the rest of their day, they met their other high school requirements with the general High School A population.

Also prior to receiving the federal SLC grant, High School A had been one of six schools designated by the state as a New Century High School. The New Century money (which ran out about two years ago) was used to help the school develop programs and work on appropriate assessments for the state’s new assessment, Certificate of Advanced Mastery (CAM), with a view toward their being a model for other schools in the state.

Reasons for Applying for Federal SLC Funds

The school's SLC grant application noted that approximately half of its students were unable to demonstrate proficiency for the Certificate of Initial Mastery (CIM) in reading and math. The school wanted to improve on this record, and also to reduce the achievement gap between middle- and working-class students. The school's goal was to place all students in an SLC. High School A reported growth of about 100 students per year for several years before applying for the SLC grant, with at least some of that growth coming from students in other high school attendance areas. According to the school's proposal to ED:

The area's high growth rate and changing economy have presented some of the same educational stresses found in larger cities. The questions of how to educate children from increasingly diverse ethnic backgrounds, from working class families no longer able to depend on the forest products industry, and in an environment of cutbacks in public services, have become central to educational planning.

SLC Activities

The school had spent most of its SLC grant money and attention on programs directed toward its 9th- and 10th-graders. The school implemented 9th- and 10th-grade blocks (these programs included all 9th- and 10th-graders); some of these were linked with a career pathway (CAM) program in 11th- and 12th-grades. In each case, the blocks integrated English and social studies content; in some cases, math, science, or art (as appropriate to the content area) were also integrated. Teachers shared common planning time as well as students, and teachers of the ninth-grade students continued with those students in the 10th-grade (a process known as "looping"). High School A also added three CAM programs—Health Services, Human Resources, and Arts and Communication—to the preexisting programs in Natural Resources and International Studies (IHS). About half of the 11th- and 12th-grade students participated in a CAM program (according to the APR submitted 9/30/02). The courses of study for each CAM reflect alignment with a career pathway. The teachers in the CAM programs shared some students in common but did not have common planning time (except in IHS).

Factors

In 2002–03, major facilitators for the development of SLCs at High School A included the following: strong administrative support from both the previous and current principals; support from the district curriculum staff; teacher buy-in that grew each year (as well as many new staff who came in already committed to the SLC idea); professional development (as well as release time in which to plan); and the assistance of an outside evaluator and a recognized expert on SLCs. Major obstacles included faculty and staff overwork, lack of buy-in on the part of some teachers (although there is no active opposition), scheduling constraints, and confusion about the state's criteria for earning a CAM.

Status in 2003–04

During the 2003–04 school year, development of the 9th- and 10th-grade SLCs continued as the major focus of the SLC grant. Among the CAMs, the Arts Academy was changed into "Pop Culture" and added a student performance component, and a new SLC with a focus on "wellness" was started that included a faculty team working across five subject areas. A SLC with a focus on current events was expected in 2004–05.

High School C

School Context

High School C enrolled almost 1,800 students and was located in a mixed residential and commercial urban neighborhood. Approximately 46 percent of students are Hispanic, 33 percent African-American, and 18 percent Asian or Pacific Islander. More than 70 percent of the students are English Language Learners (ELLs). Three-quarters of the students were eligible for the federal free or reduced-price lunch program, and fewer than 10 percent of the students had attained a rating of “proficient” in the statewide assessments in reading (9th–12th grade). It was the second-lowest-scoring school in the district. High School C was one of five comprehensive high schools in the district to receive federal SLC funds.

Reasons for Applying for Federal SLC Funds

The district has targeted High School C and another high school in the district for “transformation”—the reconfiguration of large comprehensive high schools into smaller autonomous schools co-located within the original campus. Prior to receipt of federal funds, a career academy at High School C left the campus to become a new small school, taking its High School C students with it. Even though some of High School C’s highest achieving students were now at the small school, the district applauded this as one successful approach to forming new, small autonomous schools (NSASs). The NSAS concept was strongly held by the superintendent and his appointed staff, including the assistant superintendent for school reform.

SLC Activities

In the 2002–03 school year, the district generally hoped to encourage the propagation of more NSASs located within the comprehensive high schools in the district. Staff who were less interested in being a part of the reform had begun to leave the High School C, and the principal used the vision of transformation as a recruiting tool in hiring new teachers. So far, the principal reported that this had been working quite well—more resistant teachers had left and more enthusiastic teachers were moving forward with the design process.

High School C was a school in transition from a performance record that was poor in nearly every category compared to one that would include an improved rate of retention through graduation, improved student behavior (reduction in suspensions and violent incidents), and improved academic achievement.

In 2002–03, the plan was to begin the five new small autonomous interconnected schools with the all freshman cohort, placing 120 freshmen in each of the five academies (by recruiting in the eighth-grade and then balancing the enrollment for equity). The five schools were to be based on currently existing academies, including one new non-career-based school and one modified version of a business academy. Each school would have autonomy over curriculum, budget, staffing, schedule and calendar, governance, and facilities. In 2002–03, they continued to share facilities such as the cafeteria, athletic facilities, library, and auditorium, and will share extracurricular activities such as clubs and interscholastic sports. The student council already had representation from each academy.

Status in 2003–04

In school year 2003–04, High School C’s organization changed drastically, as the school split from one high school into five permanent small schools, each with its own leadership team. The former principal moved now at the district level, to oversee similar processes at several other large district

high schools. According to the former principal, school administrators and teachers were amazed at how this change had increased the level of personalization in the school.

High School E

School Context

In 2002–03, High School E served 1,175 students. The student population is mostly Hispanic (83 percent), with the remainder divided between African-American and whites, with a few Asians. Like many other disadvantaged high schools in some large cities, the school has had a history of low achievement, high dropout, and a very large number of ninth-grade repeaters. Until recently, more than half of the ninth-graders were repeaters—with a majority that had already repeated twice. Dropout rates over the four to five years of high school have been over 50 percent. The school is located in the midst of a fairly nice, though modest, neighborhood of single-family homes. Less than 10 percent of the students, however, are walkers from the immediate neighborhood, which seems to house older people and people who send their children to private or parochial schools or other magnet programs.

Prior to SLCs

For many years, High School E has housed an International Studies Magnet (academically rigorous, with honors and several AP courses) that is highly selective and draws students from other areas. This magnet serves about 120 students and has been organized as an “SLC” all along, although it is considered “elitist” and there was some discussion about the separateness of the magnet faculty from the rest of the faculty.

Reasons for Applying for Federal SLC Funds

School E began the process of restructuring in 1995, significantly before the availability of the federal SLC grant. The impetus for the change came from a small group of teacher leaders who became interested in high school reform, in part through their involvement in a professional development program at a local university. That project also emphasized the significance of small units, personalization, interdisciplinary projects, etc. As a result of conversations between this group and the principal (who is no longer there) the school was reorganized into Thematic Houses. Although some adopted characteristics of SLCs, they were not sufficiently different from each other academically, and the momentum slowed down after a couple of years.

The Annenberg Challenge began a project in the district in 1995 and worked with some feeder patterns. They actually piloted some SLC-like components, including the Critical Friends Groups (which trained leaders and coaches) through Annenberg. Additional support came from the Gates Foundation and a major Carnegie grant, which is now operated through the Annenberg office. All these funding sources together (including SLC) are part of the high school reform movement in the district. The district now supports a multi-high school reform movement called “Schools for a New Society,” with a new assistant superintendent overseeing the process. Creating “small schools” is a part of the effort, once again to focus on personalizing the relationships between students and teachers, with the goal of reducing high school dropout rates and improving achievement levels.

SLC Activities

The school was organized into three career academies: the International Studies Magnet (120 students), which had been in place for many years; the Fine Arts Academy (160 students); and the ACT Academy (235 students), which focuses on career development and technology but is also

strong academically. The school also had a ninth-grade academy that focused on leadership development, although not all ninth-graders are in this academy, and the “traditional” academy, which is called the Titans. The Titans included the teachers who were unwilling or uninterested in being in a thematic academy, and the students who did not select one of the others. This group was the largest unit in the school, serving about 452 students in the school. In addition to the academies, there was a “Dead Presidents Society” for repeat ninth-graders. They had two hours of algebra and extra reading. 2002–03 was the first year the school was implementing this set of structures together, and also the first year that students had been able to choose their own academy (previously both teachers and students were assigned to certain academies). The implementation at High School E is very grass-roots, in that it was really driven by teachers and students. During this site visit, the SLC coordinator thought the program was about a quarter or a third of the way toward full schoolwide implementation, and hoped it would be about halfway there by the end of this first year of implementation. In 2002–03, most of the SLC funds had been used for staff development, which included bringing in national consultants to conduct workshops on writing and on group process; working with a group of teachers on curriculum mapping; and taking a group of about 20 teachers to another school to work on curriculum mapping and team building (including rock climbing).

Factors

School E went through some hard times, and when the previous principal left two and a half years ago, the superintendent prevailed upon a previously successful principal to head the school. She had previously served as a regional superintendent (in the district), and in the central office on the staff of the former U.S. secretary of education. She agreed to assume these roles if the principal agreed to stay on for five years to see the changes through. During the 2002–03 school year, the principal managed to gain the support of the naysayers by allowing the “traditional” Titan academy to exist. She claimed, however, that she plans to insist that they take on more of the characteristics of the small school approach in the coming year(s), and hopes the size of the traditional Titans will decrease relative to the other academies. Her leadership style has been an important factor in support of implementation.

Status in 2003–04

During the 2003–04 school year the Fine Arts Academy was the most successful, and the ACT Academy was not doing well. Respondents believed that it got too big (15 teachers and over 300 students), lost its team leader (who became the literacy coach), and suffered from low morale and reduced student engagement. The Titans continued as a traditional school, with no teacher collaboration or personalization. Under the leadership of the school’s Instructional Council, some new small schools were being planned for 2003–04: Fine Arts Academy will continue, the Titans will be discontinued, and ACT will continue in a much reduced fashion. In addition, the ninth-grade academy is being eliminated because it was found to be less successful than the ACT Academy in motivating students and in raising student achievement. Another major change will be that teachers will teach six instead of five periods. This change is motivated by two conditions: budget cuts, and the need to have more class opportunities or students within the academies. Scheduling has been seen as a major problem.

High School H

School Context

High School H is a very low-achieving school serving 1,214 students and is located in a residential area of a Southern inner-city community comprised of modest houses with small, well-tended yards.

A large proportion of the students who attend the school are bused here from another part of town, due both to redistricting and skimming of the higher-SES students from the school's neighborhood to attend the district's magnet for academic achievement. On the way to this school, these students pass two other schools, which removed some of the community connection and diminished the likelihood of parental involvement. Approximately, 65 percent of the school's population is African-American; the majority of other students are white. About 50 to 55 percent of the school's population qualify for free or reduced-price lunches (www.greatschools.net).

Prior to SLCs

In 1996, the district approved a comprehensive reform plan that called for implementation of SLCs, to be phased in "wall-to-wall" within schools (i.e., whole-school) districtwide in 1998. School H cluster (considered to be one of the better clusters in the district, although still with low student success rates) began its planning in 1998, with implementation in 1999. During the 2002–03 school year the district sought to require that schools provide "continuity of care" through looping (students keep the same teachers for at least two years) and to increase personalization through a career academy-like structure. The district was also committed to improving literacy in schools, and provided two "school improvement facilitators" (SIFs) to High School H for staff development and coaching.

SLC Activities

In 2002–03, SLC implementation consisted of the establishment of four themed houses, or career academies: Health, Sciences, Community and Culture (Humanities), Performing and Visual Arts, and ROTC and Business. Each SLC had themed elective courses linked to career pathways and un-themed core academic courses (English, math, science, and social studies and history). The SLCs themselves were still in the process of establishing theme identities, using events and SLC activities rather than curricular changes. For example, the Community and Culture (C and C) SLC held two events during our two-day visit: they brought in an invited speaker, author Kent Haruf, after the entire SLC had read one of his novels (*Plainson*) (as a "Community Read", as part of the state's participation in the (national) United We Read community reading initiative). The second event was the dedication of a Vietnam War plaque in the C and C hallway; the commemorative plaque was designed and ordered by students to commemorate alumni of the school. Students organized the dedication by assembling speakers and local dignitaries for speeches. Also during the two days, the Performing and Visual Arts SLC attended a performance by the Alvin Ailey Dance Company. Many respondents during our visit commented that the SLCs were still struggling with the theme identities and figuring out how to work together. All but one function more like houses, with no career pathway requirements. The fourth has two distinct pathways: ROTC or Business.

Factors

Implementation in School H has faced several challenges. There has also been significant turnover in administrative positions. None of the administrators at School H was there when the district applied for or received the SLC grant, and none was there when the school began implementation of the district model. The staff had become increasingly resistant to change over the past decade as the school district has continued reforms that staff viewed as arbitrary. On the other hand, to the district's credit, teachers have been provided with plentiful staff development opportunities from the district, including school-based SIFs who provide staff support to improve instruction in literacy and problem-solving. (Note: The SIF position is a district-funded FTE on top of the school's attendance-based allocation of FTE teachers.)

Status in 2003–04

Instructional coaches in Math and Literacy replaced the two SIFs who had been there the previous year to support the academies. This was a response to the district’s attempt to improve achievement in the two subject areas tested by the state assessments. The school is planning to pilot a fifth academy to provide extra assistance to failing students. Unlike the other four academies, it will not be a permanent home for the students.

High School M

School Context

High School M is located in a historic neighborhood north of the city. The neighborhood is currently experiencing gentrification, but this shift is not reflected in the school’s population. The school serves a predominantly Hispanic population (87 percent), and a majority of the students (79 percent) qualify for the free or reduced-price lunch program. Approximately 12 percent of students are receiving special education services, and 18 percent are classified as Limited English Proficient. The school currently serves approximately 1,800 students, 400 of whom are enrolled in a districtwide magnet program. The 105 teachers in the school have an average of 15 years experience in the field, and 45 percent have attained an advanced degree (40 percent have earned a master’s degree). Unlike the student population, few teachers are Hispanic (16 percent), whereas 51 percent are white and 30 percent are African-American. During the 2001–02 school year, one in five of the students was taking at least one honors course (20 percent), and 26 percent of 11th- and 12th-graders took the SAT and scored an average of 879 on the combined test (verbal and math). APR data from the 2000–01 school year indicate that 27 percent of the seniors planned to attend a two- or four-year college or university. The most recent data from statewide assessments given during the 2001–02 school year indicate that 88 percent of the 10th-grade students in the school met minimum expectations in math, and 92 percent met minimum expectations in reading.

Prior to SLCs

The high school began to implement a ninth-grade academy in the fall of 1997. The school had chosen to implement a freshman academy as part of a pilot program in the Annenberg Challenge project (involving all school in their sector of the district). The school also implemented block scheduling as well as teacher teams. A teacher advisory program was also in place, typically meeting once a week for 30 minutes during homeroom and using a curriculum developed for teachers.

SLC Activities

High School M had 9th- and 10th-grade academies in place, dividing students alphabetically between three “societies”, as well as a magnet program into which students were selected from across the city. The school has grouped 200 9th- and 10th-grade students and eight teachers into societies. In the future, the school would like teachers in each society to loop with their ninth-grade students. To date this has not happened, largely because of scheduling concerns. As the SIF said during the 2002–03 site visit, “The schedule is the linchpin to everything, and we don’t do it well.” The school also wants to implement themed career clusters in the 11th- and 12th-grades but has not yet done so.

Status in 2003–04

When we visited in 2002–03 the school had a freshman academy that was really a 9th- and 10th-grade loop, with career academies planned for the 11th- and 12th-grades. Now they are structured as a 9th- to 12th-grade schoolwide career academy with five academies (Health and Science, Fine Arts, Computer Technology, Industrial Arts and Engineering, and Business). Each academy was to have

fewer than 400 students. Each academy has its own leadership—with an assistant principal and a guidance counselor assigned to each academy. Academies have not been afforded separate space, but each assistant principal is paired with a guidance counselor and they are physically organized into areas or offices. The assistant principal and guidance counselors basically run each of the academies.

In the 2003–04 school year, students and teachers were often shared across academies, particularly due to the shortage of certified teachers in core subject areas. The curriculum, for the most part, was the same in each academy, and differed only by electives offered.

High School N

School Context

High School N is located in a mostly rural area of the state, which became more population dense in recent years. The school is large, comprised of 1,300 students, and is 71 percent African-American, with the remainder of the school population being white. About 55 percent of the school population qualify for free and reduced-price lunches. The school was one of two located within this particular district; the other high school is small—about 250 students in grades 8 through 12—and is located in an almost exclusively African-American community that has had virtually no population mobility in the past 100 years. The district educates about 52 percent of the school-aged population, as there are many parochial and private schools in the area.

Prior to SLCs

High School N and eight other high schools in the metro area were part of the “Students Priority 1” program, started and funded by the regional chamber of commerce. High School N decided to implement the Talent Development High School model, as developed by Johns Hopkins University. The first piece of implementation at High School N was the freshman academy.

Reasons for Applying for Federal SLC Funds

The organization directing Students Priority 1 decided to apply for SLC funds because the federal SLC program aligned well with what the schools were already doing. Each high school had to write a proposal to the organization to be a part of the federal application.

SLC Activities

In 2002–03 the school had established a freshman academy (rollout was fall 2001) and was in the midst of developing career pathways. The career pathway program was the program of interest for the visit. Teachers and students had already been assigned to pathways, and in spring 2003 the official rollout of the pathway structure was fully implemented. The pathways program was also re-aligned with state-developed career competency definitions. The school’s freshman academy program has benefited from the passage of a bond issue in which a new building was added to the campus. This addition houses the freshman academy program.

Factors

As noted, public schools only educate about 52 percent of the area’s school-aged population. The more affluent (and white) members of the community have often chosen local private and parochial schools over the local public schools. As reported by the superintendent, this dynamic has presented a challenge to the public schools, in terms of maintaining a sufficient budget and credible reputation for these schools in the community. Much of this context relates back to the desegregation plans for

these schools, as many white families pulled their students out of local public schools in the 1970s when public schools in the region were integrated.

Status in 2003–04

Presently, teachers on the freshman academy’s teams share a greater proportion of students in common; previously, it was uncommon for freshman to have all four core academic classes with a member of the team. Students are doing activities by academy groups. The teacher teams (comprised of one teacher from each of four academic subjects) share students, physical space, and common planning time. Each team has its own guidance counselor and administrator assigned. There is also a 10th-grade academy this year. Two of the three teams have common planning time, and the other team meets weekly after school. There are also Career Pathways, which are areas of concentration for 10th- to 12th-graders. Career Pathways align teachers and students in one SLC group based upon content of interest. Pathways are structured loosely; students do not take all their courses within a pathway.

High School P

School Context

High School P is a stand-alone high school program with approximately 260 students enrolled. The school enrolled approximately 75 percent minority students. Its mission is “to prepare our students for a future in which expanded core knowledge in digital and visual literacy, inventive problem solving, critical thinking and teaming will combine with traditional foundations of academics.” High School P students are “districted” into one of two city high schools but may chose to attend High School P, participating only in athletics and other after-school programs not offered through High School P at their districted high schools. High School P shares facilities with a middle school.

SLC Application

In response to a state report indicating that the labor force was not adequately prepared to meet the needs of high-tech employers, the district administration spearheaded an effort to create a program to have students specialize in technology fields and to prepare leaders. The initiative was not part of a larger reform to create smaller schools; rather, it was generally agreed that SLC was a good fit for funding this type of school. The SLC grant was integral to the establishment of the school, with the first year of grant money being applied to technology infrastructure and staff development. More recently, the grant funding has primarily been used to provide staff development and extracurricular opportunities.

SLC Activities

In 2002–03 the program operated as an independent school with its own budget, director, faculty, and staff, although it was not yet technically an independent high school. The school is a college prep program; all courses are college-prep, honors, or advanced placement, and the administration, faculty, and staff actively reinforce the expectation that students will graduate and attend college. The school opened in September 2000 after an intensive nine-month planning process that involved the school district, city government, and business and community leaders.

Factors

The school was characterized by strong and visionary leadership, with active participation by industry. The school’s program included block scheduling and project-based learning, and staff development for teachers. Respondents characterized the school environment as “unique” and as one

in which “students can’t get lost.” The establishment and development of the school did not occur without encountering challenges, including ineffective student recruiting, some resentment from other high schools, limited funding, and insufficient space. Site visit respondents, however, did not perceive these challenges as serious obstacles to the school’s development, and the school is generally considered to be a successful example of an SLC.

Status in 2003–04

During school year 2003–04, the program’s only change was its complete separation from the other two district high schools. Where it was once a program associated with both comprehensive high schools, it is now a separate, career-focused magnet school. The school appears to have had a strong impact on student and teacher attitudes. There was little to no school violence; student and teacher daily attendance rates were high; and teacher turnover was minimal. Perhaps the school’s greatest accomplishment was its 100 percent graduation and college acceptance rates over the past three years, despite the wide range of academic ability levels among students.

High School Q

School Context

High School Q is a large school that was chosen as a career academy site. Its student population was 2,250. The school was double this size two years ago (i.e., a school enrollment of 4,700), but a new school opened to alleviate the overcrowding. Mobility in many schools is high, and there continues to be an influx of students from the Caribbean islands and South America. The student population is approximately 28 percent Hispanic, 4 percent African-American, 30 percent Asian-American, and almost 40 percent white. Only 5 percent of the school’s population qualifies for free or reduced-price lunches. About 10 percent of the students have been classified as special education. For the class of 2002, they reported the following outcomes: 46 percent to four-year colleges, 36 percent to two-year colleges, 4 percent to technical schools, 6 percent to the military, and the remaining 8 percent into the workforce.

Prior to SLCs

Before the SLC grant, the school had a School-to-Career (STC) grant. The school began to identify areas of career interest, and developed these into career clusters. The resulting career clusters were Arts and Communication; Business and Marketing; Engineering and Manufacturing; Horticulture and Environmental Science; and Medical, Public and Human Services. Courses were classified within the clusters, and students were expected to identify a cluster and choose courses that fit within them. The clusters were not very well implemented. A career research paper was integrated into the English curriculum, however, and was sometimes used in social studies as well. There had been a push to infuse career information in all the subject areas, but the clusters themselves do not have an independent structure.

SLC Application

The district responded to the grant announcement because of the perceived state of “emergency” in the schools due to the large size of the schools (many between 4,000 to 5,000 students), overcrowding, and numerous “incidents,” etc. It was felt that students were not benefiting from the educational offerings because of the overwhelming size of the schools.

In 2002–03, current foci in the district were raising reading achievement and career pathways that were intended in part to help students understand why they needed to improve reading. An important

feature here was that the state had recently mandated that all schools needed to be SLCs. At the same time that there are reform efforts in the schools, accountability (through statewide tests) plays a major role in how the schools and instruction are organized. An annual assessment test will be tied to promotion at grades 4, 8, and 10.

SLC Activities

There were three career academies that started at the time of the grant application and were rolled into the SLC initiative. These academies involved a sequence of career-related courses. These were Marketing and Business; ProStart, which focuses on careers in food production and nutrition; and Cisco Networking, a highly technical series of courses that when completed (including a difficult exam) gives a certification in the use of certain computer equipment. Only the first one (Marketing and Business) includes English within the academy; the rest are really a sequence of electives. They are not “tracked,” and all, including ProStart, include college-bound as well as work-bound students. These academies are relatively small (the smallest is Cisco Networking, because many students do not get to the higher levels), and there is a sense of “smallness” within them, with teachers knowing the students, students knowing each other, etc.

There was no common planning time for teachers, except in the form of monthly early release days, when faculty and departments meet; this meeting time is not used to focus on academy issues. Also, teachers are not organized into cluster teams.

The SLC program at High School Q also includes a potpourri of activities around careers, including speakers, internships, mock interviews, some mentoring, and field trips, and attempts to personalize education at the school by recognizing students for their accomplishments. This includes certificates for work in classes and clubs and community service hours, as well as recognition breakfasts for straight-A students provided by the guidance department and postcards home when there is good news about a student. According to students, this culture of recognition did not always translate into a feeling of personalized education or support; for example, students felt, on the whole, that guidance counselors remained inaccessible. The school has several mentoring organizations, and High School Q was very successful at establishing partnerships with business and industry and community-based organizations for internships, speakers, field trips, and mentors.

Factors

The school did have a very strong, competent leader as principal, who did what she could to create a warm and caring environment as well as keep the school focused on improving achievement. She had been in the school about six years at the time of the site visit.

Status in 2003–04

High School Q has had many changes since 2002; few if any can be attributed to the now expired SLC grant. There are still “career clusters” on paper, but little is done to monitor the student’s involvement or enrollment in courses within their clusters. Mentoring and partnerships continue. The main change is that it is now a 9th- through 12th-grade (rather than a 10th- through 12th-grade school) school due to new construction in the county. Some elements of what was the freshman academy now continue in the main building. The principal and two assistant principals are new and the SLC coordinator is no longer in the building. Because neither the principal nor SLC coordinator are in the building, there is no real ownership of the components remaining.

High School R

School Context

High School R is an urban school that enrolls approximately 1,700 students. The school has a very diverse student body, with more than 20 languages spoken by students. The school has a very high mobility rate (approximately 50 percent, according to the principal), and students continue to arrive during the school year. The school is approximately 50 percent white; 24 percent of students are Asian, 15 percent of students are African-American, and 10 percent are Hispanic. Approximately 21 percent of students are eligible to receive free or reduced-price lunches. In recent years (since 1998) there have been moderate improvements in the school's state test scores; scores have risen from 34 percent of students at proficiency in 10th-grade English language arts in 1998 to 42 percent of students at proficiency in 2001 (this is above the state average of 36 percent proficiency). In math, 23 percent of students reached proficiency in 1998, and 39 percent reached proficiency in 2001 (these scores are also above the state average of 27 percent).

SLC Application

The districts applied to upgrade the high school program and lure parents to shift back to enrolling their children in public education. Several years ago, when the city launched a campaign of economic redevelopment, it focused on school improvement, especially in K–8 education. In 2002–03, the schools and community focused on the high school. (During the last two rounds of NEASC accreditation, the high school was on probation.) It is still fairly common for families in the city to send their children to a public school in the district through eighth grade, and then choose a private or parochial school starting in the ninth grade.

SLC Activities

Currently, the major components of High School R's SLC program are four un-themed houses, a freshman academy, and an advisory program. The freshman academy was comprised of teacher teams (consisting of one teacher from each of four core academic subjects) within four ninth-grade house groups. The teams share students and common planning time. Within the advisory program, 20 students are matched with an advisor and meet once a week for 30 minutes. Students, teachers and administrators were all critical of the advisory program; very few teachers used the time in an effective or useful manner because there had not been any guidance about the purpose of the period or what content should be presented. Because of state budget cuts, the size of these advisory groups had grown from around 12 students per teacher to over 20.

Factors

The school was previously suffering some of the consequences of decisions made by the school committee and the mayor on its behalf. For example, the mayor—who is also the president of the school committee—selected and hired a principal and superintendent from outside the public school system (a rarity for this community) to lead the structural changes to be made at the high school. The mayor also signed a contract for the school to implement the Breaking Ranks model before either the new principal or the new superintendent entered their positions. Therefore, the principal has had tremendous difficulty in trying to get teacher buy-in for any structural changes made to the school; teachers have not invested trust in the principal as a newcomer. Teacher buy-in still remains a significant problem. Many teachers feel that they have not been adequately informed of why the school has embarked on these changes, and many do not feel that the school community has given any one particular change a fair chance to work, by trying to implement too much at once. It also seems that the city has a fairly traditional set of educators, many of whom have been at the school for

a number of years and who also attended High School R; therefore, the teaching force is often not invested in making change in the way things are done just because these programs and structural changes have been proven effective solutions to problems in other schools with similar problems.

Status in 2003–04

A new principal came to High School R for the 2003–04 school year. The school has made significant inroads with the business community. This relationship has produced a number of internship and job shadowing experiences. According to the School-to-Career director in charge of arranging them, this year 45 students (out of roughly 700 11th- and 12th-grade students) are participating in internships with community business and industry. In previous years, the number was around 30 students per year. Students typically spend one period during the school day at the internship site and are evaluated by an on-site supervisor.

Freshman Academy Overviews

High School B

School Context

The school is located in a suburban neighborhood. School enrollment was 2,188 in SY 2001–02, broken down by about three-quarters white (74 percent) and over a quarter minority status—19 percent Hispanic, 2 percent black, 2 percent American Indian, 3 percent Asian, and 1 percent “other”. About 4 percent of school’s population qualifies for free or reduced-price lunches.

Prior to SLCs

The freshman academy predates SLC funding, having begun in August 1999, with a planning year in 1998–99, and was expanded to include almost all incoming ninth-graders in 2001–02. The school chose the freshman academy approach primarily to address the ninth-grade retention or dropout problem.

SLC Activities

The SLC program is centered on the ninth-grade freshman academy, which is combined with flex days, block scheduling, and teacher teams. The freshman academy is housed in a separate building and is organized into four teams, with three teams consisting of between 115 to 123 students, and the fourth team consisting of 176 students. This team accommodates an additional 70 students, who migrated into the school after the initial distribution of students had been made. The team has extra auxiliary teachers to accommodate the extra students. The ninth-grade teachers are organized into teams, five teachers to a team (except the auxiliary team with ten teachers), with each teacher responsible for approximately 120 students. Block scheduling has also been developed in conjunction with a flex schedule, whereby teachers spend one day teaching only three classes and getting professional development, and then teaching a blocked course (double period) on another day. Teacher teams meet twice a week for a common prep period and a planning prep period (curriculum development and student management issues).

Factors

A number of factors have facilitated the freshman academy, including district support built into the structure of district reorganization; leadership from the former principal, who started the concept of the ninth-grade academy in 1998; the current principal, who served as a former assistant principal in the school; staff buy-in, both in terms of participation on the school restructuring council and in

preparation of the SLC grant; the perceived match of the freshman academy to the needs of the high school in addressing the ninth-grade dropout or retention problem; and the perceived match of the freshman academy to parent and community expectations for the high school in helping their children make the transition from middle school. A number of factors have impeded implementation, including insufficient resources to hire the additional teachers who are needed. The augmented team is understaffed and does not have enough common planning time. With the introduction of the freshman academy there were a number of scheduling issues, many of which have been resolved through the institution of flex days. There also seems to be a lack of parental involvement in the freshman academy, in that many parents seem unaware of the details of structural changes in the school. In addition, student placement into different ability math levels creates tracking and prevents the forming of heterogeneous classes where more advanced students can serve to motivate other students.

Status in 2003–04

During the 2003–04 school year, changes in implementation were mostly fine-tuning. The freshmen academy had more staff meetings this year, and formally added the fifth team. The physical construction and remodeling of the freshman academy space was underway. To improve movement through the space, a hallway was added. Also created were offices and meeting spaces for the Student Success Advocates and freshmen academy teachers. The sense was that the program is stable. Within a district that has used SLC principles to guide its reform agenda, the SLC freshmen academy has become a core of how High School B will be operating in the future.

High School D

School Context

High School D is located in the developing rural-suburban area in an southeastern state, and draws students from families whose parents are employed in a range of professions, from high technology and professional through agricultural. The high school enrolls roughly 1,600 students, approximately 13 percent of whom are eligible for free or reduced price lunches. Most (74 percent) of the students are white, 14 percent are African-American, 9 percent are Hispanic, and 3 percent are Asian. Eighty-seven percent of graduates attend either two- or four-year colleges. The school applied for SLC funding to address high ninth-grade failure and dropout rates (roughly 15 to 20 percent of students drop out between ninth and tenth grades; 62 percent of those who enroll in ninth grade graduate). When implementation began there were 147 repeating freshmen (total ninth-grade enrollment was 504); this year there were 67 repeating ninth-graders. All of the teachers are state certified (or have certification pending), 12 or 15 are national board certified, and teachers' student loads are low (roughly 75 students per semester). The principal began at the school in the first year of the SLC grant funding, and did not participate in planning.

Prior to SLCs

High School D was one of the first schools in the county to go to a block schedule. The block schedule has four periods a day and classes meeting five days per week. Typically, a student will be enrolled in two core academic classes and two electives (including physical education and health) per semester, and a teacher would teach three periods per day, have one or two preparations, and then one 90-minute planning period per day. A few teachers are scheduled to teach only ninth-graders, but most teach multiple grade levels.

Reasons for Applying for Federal SLC Funds

The school's assistant principal, who left in 2003, was the person who initiated the SLC grant application process in hopes of facilitating students' transition from middle school to high school by reducing ninth-grade failure rates. At that time, a substantial proportion of ninth-graders had received more than one "F" by mid-year, and because many of those students had repeated earlier grades, a large number of them were old enough to drop out of school before 10th grade.

SLC Activities

By the 2002–03 school year, the school had implemented several pieces of its freshman transition program, most only partially. The single fully implemented component is an after-school tutoring program and center. Students (freshmen) are permitted to go to the center at any time, which really means that they may go there at lunchtime or after school. Students who would like tutoring submit applications and sign up for a day or the days that they will go for tutoring after school. Teachers sign up for the various days and are paid for the hour of tutoring. There are teachers available for every core subject. The main aim of the tutoring program is to help prevent ninth-grade failure.

Another component of the transition program has been the orientation provided to incoming ninth-graders, both when they are still in eighth grade and at a one-day orientation that takes place during the summer before they enter the ninth grade. At this orientation, students receive information about the building, the schedule, and course and career planning, and they also participate in a ropes course (equipment purchased with SLC funds) for team building purposes.

The school has been struggling with implementing the pairing of academic core teachers. The plan was to pair one English teacher with one social studies teacher, have them teach the same ninth-graders, plan together, and—it was hoped—use their shared knowledge of the students to provide more individualized teaching, as well as some cross-disciplinary applications. Science and mathematics teachers would be similarly paired. Last summer one of the teachers (who had experience in scheduling team teaching from the middle school where she had worked prior to coming to this high school) spent the entire summer coming up with a plan whereby all teachers of freshmen would be paired in this way. The new principal, however, did not support that plan. During the 2002–03 school year, only one pair shares a majority of their students (approximately 70 percent), and two other teachers share most of their ninth-grade students with one teacher but do not have common planning time. Nearly all adult respondents named scheduling as the primary impediment to full implementation.

Factors

In addition to lack of principal support and scheduling issues, the school suffers from the district's chronic school-reassignment problems. Each year, students from as many as 1,000 families were assigned to different schools than they attended the previous school year. This had created a problem with continuity for the students who were reassigned and has seriously undermining parental buy-in to the school system.

Status in 2003–04

In the fourth year of funding (via carryover funds), 80 percent of freshman were involved in freshman houses. The school better implemented the houses, which are now centered on teams of teachers from English and Social Studies, as originally planned. The houses allow better tracking of student progress and identification of dropouts. This past summer the school finally addressed the scheduling problems that had prevented the creation of teacher teams by bringing in experienced staff from

outside the school to complete the task. This summer, upperclassman started the Adopt-a-Freshman program and a peer mediation program was added as well. Primarily run by freshman, the goal of the program is to minimize suspensions by having students address cases that were screened and submitted by the administration. FAST Achievers was created to recognize ninth-grade students who were on the honor role. Saturday School brings in teachers to help students make up missed class time and work required for promotion. Finally, the SET program (Students Exploring Tomorrow) helped to bridge the “digital gap” and provide low-income families with computers and computer training.

High School F

School Context

High School F is a comprehensive high school (grades 9–12) of 1,500 students. Approximately 31 percent of students are minority. Approximately two-thirds of the students who attend are white, and nearly one-third of students are African-American. Forty-one percent receive free or reduced-price lunches. The principal estimates that approximately 50 to 60 percent of graduates attend four-year colleges. In general, School F is considered a very successful school in a district with a history of supporting progressive initiatives and providing sufficient funding.

Reasons for Applying for Federal SLC Funds

The main purpose of the freshman-teaming program is to provide support for the transition from middle school to high school. School data revealed that freshmen typically perform poorly with respect to passing rates, discipline referrals, attendance rates, and dropout rates. The principal, with support from the district and a regional school-to-career partner, engaged teachers in a process of identifying and implementing a model for providing additional support to freshmen. Team teaching was highlighted as a strategy, with the expectation that implementing common planning time would enable teachers to identify and address student problems earlier and more comprehensively.

SLC Activities

The freshman academy (“freshman teaming program”) was the primary focus of the SLC grant, which began implementation in August 2001, and school representatives consider the initiative to be 75 percent implemented. The teaming program includes (1) physically clustering ninth-grade English, social studies, and math teams; (2) creating teams of ninth-grade teachers and students so that core groups of teachers teach similar students; (3) appointing a guidance counselor and assistant principal to each teacher team; and (4) providing common planning time for teachers. In addition to implementation of the freshman academy, the school is in the process of developing career “pathways.” As of the 2002–03 school year, teachers had selected or been assigned to a career focus and were in the process of creating lesson plans, although students were not yet organized into pathways. It was expected that all ninth-grade students would eventually be organized into teams based on their selected career pathways.

The freshman-teaming program was almost fully implemented during the 2002–03 school year. Freshmen attended three out of four core classes in a space that was separate from the rest of the school, and each team’s classrooms were clustered together, to the greatest extent possible. Teachers fully utilized the common planning time to discuss specific students’ progress and challenges. Some teachers also developed interdisciplinary activities with other team members, although the administration would have liked to see more use of innovative teaching methods and integrated learning. Guidance counselors and assistant principals participated regularly in team meetings and

conducted follow-up work as necessary. The administration had clearly secured teacher buy-in for the initiative, both by following an established school process for implementing all changes and by providing considerable opportunities for staff input and professional development during the planning period. In addition, the principal made several successful changes prior to the initiative (e.g., reorganization of the school by grade level as opposed to departments, implementation of block scheduling, etc.), which set the stage for the changes to the freshman program.

Factors

In spite of strong principal and faculty support, scheduling remained a major obstacle to full implementation of the vision, which will integrate freshman teams with the implementation of career pathways throughout the school. It is expected that ninth-graders' selected career pathways will guide the formation of teams, but it was unclear how the administration would align team assignments with scheduling issues posed by enrollment in honors and advanced placement classes. Furthermore, it appeared that teachers needed additional professional development opportunities that focused on specific tools and teaching methods that can be used in a team-based setting (and eventually in a career-centered setting). Finally, future funding for the initiative was uncertain, although the school, district, and regional partner expressed that they were committed to maintaining the freshman teams and would work together to secure sufficient funding.

Status in 2003–04

During the 2003–04 school year the freshman academy continues, but the career pathways initiative is still primarily in the planning stage. It is clear that the school will need to spend substantial time and effort on developing a vision for the career pathways in order to implement fully its vision for the program and the connections to the freshman-teaming program.

High School G

School Context

High School G serves approximately 1,200 students and is a low-achieving school located in a residential area near the commercial center of an urban city, known as a center for Hispanic culture. Approximately 70 percent of the students are eligible for free or reduced-price lunches, and a growing number—nearly 39 percent—are English Language Learners, but the school has the lowest turnover in staff or principals in the district. Approximately 40 percent of students are Hispanic, 28 percent are African-American, 27 percent are white, and 5 percent are Asian. Teachers are often attracted and retained as graduates from the on-site PDS program (see below), and six teachers and four paraprofessionals are graduates of School G itself. The school has had only three principals in the last 23 years, and the current principal has been at the school for seven years. Like other schools in the district, it is adversely affected by the skimming of top academic achievers for the district's academic magnet school.

Prior to SLCs

In 1996, the district approved a comprehensive reform model. The plan called for implementation of SLCs, to be phased in a “wall-to-wall” fashion (e.g., whole school) within schools, districtwide. This was done cluster-by-cluster, beginning with the lowest performing of the district's schools in terms of graduation rates, daily attendance, and poverty status. In 1997, the plan was included in the district's federal court-ordered desegregation exit plan (obligating the district to carry out changes called for by the model). School G is in the last cluster to implement the model but had initiated its own changes prior to the district's adoption of the reform plan. School G had already piloted a freshman house

system and had put it in place schoolwide, and was thus ready to proceed with other mandated changes.

SLC Activities

School G had students organized in four un-themed houses that began as freshman houses (and were extended vertically to the 12th grade). The school building was designed to hold up to 900 students organized departmentally, so the staff and administration have had to take a creative approach to establishing distinct areas for the four houses. Each student is also assigned to one faculty advisor for four years; teachers and students meet daily in a kind of extended homeroom period (groups of about 20 students) that can be used for counseling, career advising, tutoring, life skills teaching, and so on, at the teacher-advisor's discretion. Students loop with students for four years. During the 2002–03 school year the administration tried to make sure that students' advisors were within their academy groups. This essentially meant that there was some switching among established advisory groups for students and teachers.

Factors

School G also has a staff that is very involved in decision-making. It has been a member of the professional development alliance at the state university (PDS) since February 1993. They have seven interns who stay from October to May, and staff takes advantage of university courses that are offered on-site as part of the PDS, including courses focusing on teaming, action research, and mentoring.

Generally, there seemed to be a lot of energy and enthusiasm at this school—from staff, administrators, and students, and people seemed to genuinely care about each other. One fear that staff and administrators shared was that the district would crush the school's own initiative and expertise by imposing a one-size-fits-all reform on a school that was really working at developing its own solutions.

Status in 2003–04

Currently, the school has six themed academies. The themes include Business and Management, Health and Nature, Invention and Technology, Media and Communications, Musical Arts, and Visual Arts. The freshman academy structure (four core teachers sharing a common planning time period and the vast majority of the same students) has been dismantled, and teacher teams have been reorganized within new academies.

High School I

School Context

High School I is in a small but growing city surrounded by a largely rural area. The high school is clustered in an area near downtown, along with the city elementary and middle schools. The enrollment of High School I is 1,240 students. The student population is predominantly white (96 percent), with very few students receiving free or reduced-price lunches (0.03 percent). The staff of the school also appears to be predominantly white. About 11 percent of the school's students are receiving special education services, and no students are classified as Limited English Proficient. Just over half of 11th- and 12th-grade students (51 percent) took at least one advanced placement exam in the 2001–02 school year, with 72 percent scoring at or above three points for credit. Likewise, 63 percent of 12th-grade students took the SAT and scored an average of 1,067 on the combined test (verbal and math). The most recent data from statewide assessments given during the 1999–2000

school year indicate that 97 percent of the students in grades 9 to 12 were proficient in reading, but only 39 percent tested proficient in math. Other APR data indicate that 69 percent of graduates planned to attend a two- or four-year college or university.

Prior to SLCs

High School I began to plan and implement a first year academy (FYA) during the 1998–99 school year, two years before receiving federal funding from the SLC program. The school has implemented other SLC strategies to support and complement the FYA, including career pathways or clusters, student advisement or mentoring, and block scheduling. Of these SLC strategies, block scheduling for the entire school and student advisement for the ninth-grade students were already in place before applying for SLC funding from ED.

Reasons for Applying for Federal SLC Funds

The impetus for starting a FYA at this school primarily came from two somewhat unrelated events. A districtwide action research team consisting of 35 individuals, including parents, students, teachers, and administrators, conducted a study to identify best practices in the high school context, and one of the recommendations later adopted by the school board was to develop FYAs in all the high schools. At about the same time, the school had just completed a facility construction project that included a brand new wing to the building. They therefore decided to start a FYA at High School I using the new wing. The former assistant principal (and freshman academy director) was the primary advocate and organizer for writing the grant application to receive SLC funds from ED.

SLC Activities

The program involves all ninth-grade students, with extended registration and orientation opportunities for the incoming freshman and their families. Once school starts, these students essentially take all of their core courses in 90-minute blocks in the FYA (with the exception of language classes, band, other electives, etc.), which is a separate wing of the building and is physically demarcated, most notably with different colored lockers for students.

In addition to the SLC director, the program was staffed originally with two team leaders who had the responsibility to facilitate weekly 45-minute teaming meetings (during half of the common planning times) among staff teaching common subject areas; to coordinate quarterly half-day teaming meetings among all staff; to work through administrative and curricular issues related to the program; and to facilitate teaming meetings with individual at-risk students on Tuesdays and Thursdays after school involving parents, teachers, guidance staff, and administrators to address academic and disciplinary concerns, as needed. The program also involves an after-school program called “After-the-Bell” staffed by two FYA teachers, offering tutoring to all freshmen, three days a week, with transportation provided. There is also a component of the program in which teachers send weekly progress reports to parents of freshman students who are doing less than “C” work in any courses. The FYA also has student recognition programs, such as “Student of the Month” and honor roll recognitions, exclusively for ninth-grade students.

The FYA also includes a student advisement program, which began the second year of the program and has evolved over time to include the entire school. Initially, the program involved each staff member or advisor meeting with a small group of students (e.g., about ten per advisor) on a weekly basis and focused on interdisciplinary projects (e.g., service learning projects) as well as guidance lessons. Currently, the advisement program is still structured so that each staff member or advisor meets with a group of students on a regular basis, but the advisors, in general, have more students in

their groups (now it is more like 15 to 20 per advisor), meets less often (i.e., biweekly for 10 or 20 minutes), and leads students through prescribed “lesson plans.” The FYA has its own guidance counselor, who helps to organize some of the student advisement program and tries to meet with every parent and student at least once a year.

During the 2002–03 site visit, we were told the FYA does not have a curriculum that is drastically different from other areas in the school or, for that matter, from other schools in the district, except they have offered career research and development courses to freshman since the 2001–02 school year based on five career pathways or clusters. Other activities associated with this part of the program include a day-long field trip, in which each freshman student will visit four businesses in his or her career pathway, and career day speakers who come into the school to address the students during their career research and development course. The school estimates that each student hears at least two speakers as part of the course. This component of the program, however, was for most respondents only loosely associated with the program.

Factors

Facilitating factors for implementation include (1) district, school, and community members working together through the action research team committee to reach a consensus on the program; (2) continued support from the district; (3) committed administrators and staff, who recognized that they needed to sell the program to the staff and the community while also getting their input; and (4) a separate new facility separate from the rest of the high school. The program faces continuing challenges, however, in the areas of turnover among leadership and staff, with attaining staff buy-in, limited resources (i.e., money and time), and scheduling difficulties.

Status in 2003–04

Beginning during school year 2003–04 they began implementing the AP or honors program, which is an extension to the current AP program at High School I called APEX. In this first year they selected a cohort of 31 freshmen who will take six AP courses together each year over their high school careers. It is hoped that this will increase the amount of vertical teaming among teachers in the school (same subject areas but different grade-levels), and that the teachers in the FYA can take the lead in terms of working with other teachers on teaming strategies and through this process teachers in the rest of the school can take advantage of the lessons learned in the FYA to build the school’s capacity. In addition, High School I is responding to a districtwide policy change that this year’s freshman class will have to complete a one-credit graduation project by the time they are seniors as part of the increased graduation standards from 21 to 25 credits needed to graduate.

High School J

School Context

High School J is in the fifth largest school district in the country. The district is building schools as fast as it can to try to stay even with the growth in the student population. High School J was only opened seven years ago, and it has mushroomed to almost 5,500 students, making it the largest high school in the country, according to the principal. Several years ago, when enrollment exceeded the building’s capacity by an excessive amount, High School J opened an “annex,” consisting of a large number of surprisingly pleasant portables, for its ninth grade. Perforce, High School J has had a separate ninth-grade program—indeed; the ninth-grade campus is several miles from the main campus. The whole school, including the ninth-grade program, is blocked on a four-four schedule in which one year of work in a course is completed in a semester.

The school serves a diverse population: 36 percent Hispanic, 36 percent white, 20 percent African-American, and 6 percent Asian-American. Approximately 10 percent of students are Limited English Proficient, 6 percent are special needs, and fewer than 15 percent of students receive free or reduced-price lunches.

SLC Activities

In 2001–02 the ninth-grade was split into equal-size groupings named “Odyssey,” “Virtual Ventures,” and “Quest.” The staff for each group worked out the theme. The primary curriculum component is a course titled “Pathfinder,” which all freshmen take. Its purposes are several: to introduce students to the career pathways, from which they will choose one; to prepare students academically and interpersonally for high school; and to give them a number of life skills. Other aspects of the curriculum are infused with curriculum content, especially an allotted 10 minutes during second period. Having read the career-related materials, students are supposed to complete questions that have been written to be like those on the state’s high-stakes testing program. Although both of these curriculum elements have been implemented, they are not uniformly well received by faculty, students, or parents.

Factors

During the 2002–03 site visit, respondents cited enthusiastic leadership from the principal and the SLC coordinators, the availability of various kinds of professional development, and the camaraderie that has developed among the ninth-grade staff. Negatives included the large shifts in student population, the anticipated dissolution of the group (resulting in anxiety and lowered morale), the resistance of some staff, and the relatively low regard for the Pathfinder course.

Status in 2003–04

In 2003–04 the “freshman academy” had disappeared with the move of the ninth-grade back to the main campus. All that remained was the Pathfinder course that, among other goals, was supposed to help prepare students to choose a career pathway. There were also five career pathways for students in grades 10 through 12 that the school regarded as its real SLC program. The pathways were not totally self-contained, and students (and their guidance counselors) regarded them with varying degrees of seriousness.

As of 2003–04, the paid SLC coordinator was gone, and there were no more stipends for the leaders of the five career pathways that remained. The principal, who was a strong advocate for the program, is still in place. A new school opened for the 2003–04 school year, which cut enrollment from 5,500 to 3,600 students and was the reason why the school could now consolidate back to one campus. As a result, High School J lost staff along with its students. Some teachers who did not like the pathways concept left but so did other teachers.

High School K

School Context

High School K is the only high school in its district. High School K serves approximately 2,100 student in grades 9 to 12, and its student body is approximately 92 percent white, 5 percent African-American, 1 percent Asian, and 2 percent Hispanic; 20 percent of the high school students are eligible for free or reduced-price lunches. This county is comprised of nine school districts, of which this school district is the largest, serving 7,300 students in all grades. The automobile industry provides

the main economic basis for families in this district; other major industries include La-Z-Boy Chair Company, Delta USA, and North Star Steel Corporation.

Prior to SLCs

In 1993, the school district made a commitment to reconfigure the school district. At the time, grades K through 6 were spread out among ten buildings, all seventh-grade students were together in their own building, all eighth- and ninth-grade students were together in another building, and the high school held grades 10 to 12. The district then restructured to establish ten K through 5 elementary schools, three middle schools (grades 6 to 8), and one high school, housing grades 9 to 12. This was part of the school's long-term improvement plan. During the 1998–99 school year, half of the district's freshmen attended the high school, and beginning with the 1999–2000 school year all freshmen were housed at the high school.

Reasons for Applying for Federal SLC Funds

Responding to research on dropout rates associated with ninth-grade and the concern that the high school would overwhelm the freshmen, the school implemented a ninth-grade academy. Efforts to create a ninth-grade academy and to obtain SLC grant funds are credited for the most part to the former principal and the former director of vocational education. The ninth-grade academy is essentially a school-within-a-school. It occupies one wing of the building and has its own administration and counseling staff led by the assistant principal.

SLC Activities

Teacher teaming is a key aspect of the academy's design. The academy has 16 core teachers (math, science, English and world cultures), divided into four teams. Each team shares approximately 150 students, and a member of the guidance staff is also paired with the team. The teams have begun working toward interdisciplinary lessons and have common planning time every other day. Some administrators feel that, given the professional development conducted on interdisciplinary teaching, more should currently be happening. The school operates on an 88-minute A and B block schedule.

All students at High School K have Student Resource Time (SRT) at the same time every other day. Students are assigned to an SRT teacher for one year. SRT is used as a time for school announcements and study hall, and provides students an opportunity to “travel” to another teacher's room to obtain extra help. Some teachers explain that SRT also serves to pair each student with a teacher advisor and provides teachers the opportunity to meet a group of students and get to know them well. As part of the ninth-grade curriculum, the SRT is in the form of a “freshman seminar.” Although the curriculum for the freshman seminar is still being refined, its goals are two-fold: (1) to help the freshmen get to know and be comfortable in the new school, and (2) to acquaint freshmen with possible careers. Students explore the types of jobs they might be interested in pursuing and then work on skills such as resume and cover letter writing. Freshman SRT culminates in a job-shadowing day near the end of the school year.

During the 2002–03 school year, High School K was also in the process of launching career pathways in grades 10–12. Pathways included Fine Arts and Communication; Health and Human Services; Business and Management; and Manufacturing, Engineering and Technical Services. Once the career pathways are implemented, ninth-grade will be considered a preparatory year for students to choose a pathway.

Factors

The biggest challenge during implementation was the process of physically relocating most of the teachers' classrooms in the building, which resulted in a loss of space for some teachers in the upper grades. Another challenge was resistance among faculty and guidance staff to working in the academy (with ninth grade only). The school did have to hire some new teachers to staff the academy. In general, however, the smooth implementation of the program is credited to the strong leadership of the high school principal and the ninth-grade principal. A sign of the academy's stability is no teacher turnover from 2001–02 to this school year. Ninth-grade guidance counselors are also enthusiastic about the program.

Since establishing the academy, a new principal has taken over. During this transition, implementation of the career pathways aspect of the SLC slowed. In looking forward, the school recognizes a number of obstacles to the sustainability of the freshman academy. First, key members of the academy's staff are retiring after this school year. Second, some resentment toward the academy exists from teachers in the upper grades. Not only were they displaced in establishing the academy, but overcrowding in 10th- through 12th-grade classes has also led some upper-class teachers to suggest that this has been caused by the allocation of staff to the ninth grade.

Status in 2003–04

Over the 2003–04 school year, there was little change in terms of structure of the freshman academy. The SLC coordinator left the school to return to graduate studies in educational leadership. The other major reform effort of the school at present is getting the 10th- to 12th-grade career pathways up and running so that all students will be in a pathway next year. The only major obstacle to its continuation is funding, and district priorities for the future are very dependent on an upcoming bond issue vote.

High School L

School Context

School District L's secondary education program is made up of two comprehensive high schools and the adjunct High School L. Technically, all of the district's high school students are enrolled in one of the two comprehensive high schools. Enrollment in the High School L is considered dual enrollment. When students graduate from high school in the district, their diplomas are awarded by one of the two "home" high schools. High School L is the alternative high school program, located on three different campuses.

In school year 2002–03, the capacity of the ninth-grade academy—a central part of the alternative HS program—was 85 students. According demographic information on school year 2001–02 APRs, the population of High School L was 52 percent white, 42 percent Native American, 3 percent Hispanic, and 3 percent African-American.

Prior to SLCs

The ninth-grade academy was implemented in 1995, pre-dating the SLC grant. According to administrators, this academy was implemented to address the district's concerns about gangs and fights and a high dropout rate. A teacher who has been with High School L since its inception described the beginnings as chaotic. The students were older—many were thought to be gang members. "It was pretty crazy...a lot of discipline problems." Classes were 90 minutes long, the classrooms were no bigger than offices, and they had no books. She said she was relieved when the

ninth-grade academy was moved to the building that was formerly a youth detention center. There, at least, they had their own space. Barbed wire left behind by the youth detention center lined the perimeters of the building and campus when the ninth-grade academy occupied the site. According to administrators, this site fed into the community's and district personnel's perceptions that the freshman academy was a place for students with behavior problems and led to the feeder schools "dumping" problem students in this school. Some students were even ordered to the school by juvenile court judges.

For school year 2000–01, the district relocated the ninth-grade academy to a new building, in part to counter this negative perception and to attract the students for whom the academy was intended, but it required more than just the move to change perceptions. The principal attended many meetings to address concerns about bringing problem teenagers into the community and the impact it would have on the neighborhood. He added that since the move there have been no complaints from the neighbors about the students who attend the academy.

SLC Activities

During the 2002–03 school year, the ninth-grade academy had exclusive use of six classrooms in one wing of the building. The previous SLC coordinator and the dean of students addressed staff and parents at middle schools to make clear the objectives of the ninth-grade academy and to describe the students who would most likely benefit from the strategies employed at the academy. They invited parents and students to visit the school before applying. Gradually, middle school staff began to encourage students who were having social or academic difficulty in the large middle schools to consider attending the ninth-grade academy for their first year of high school. Over time, the characteristics of the student body changed from primarily students with behavior problems to primarily students with academic and social problems.

Attendance at the academy is voluntary. The SLC coordinator visits the middle schools in the spring to talk with teachers, parents, and students. Students are usually referred by middle school staff, such as a counselor, teacher, or principal, but some parents seek out the option for their children who may be having trouble academically or need an alternative education environment. Applications are accepted from the preceding spring until full enrollment is reached. Students are not admitted into the program after Thanksgiving, however, so if a slot is unfilled by Thanksgiving, it remains unfilled for the remainder of the year.

According to the administration and the teachers themselves, all of the teachers volunteered to teach in the academy. Five full-time teachers teach the core subjects: English, math, science, and social studies. Part-time teachers come in for part of the day to teach the electives: Challenges and Choices, drama, and health. At least two of the teachers are certified to teach special education. If students wish to participate in extracurricular activities, they do so at one of the two "home" high schools in the district.

The classes are normally 50 minutes long. Teachers stated that block scheduling would not work for these students. To maintain attention, they must change teaching strategies three or more times just within the 50-minute period. During the first semester, students are not assigned homework and are not issued any books. All of the students' assignments are completed in class; the teachers file unfinished worksheets and papers in the classroom. Textbooks for the students are kept on shelves in the classrooms and students return them before they leave. Homework is re-introduced in the second semester to help students adapt to their sophomore year at the traditional high schools.

Status in 2003–04

During school year 2003–04, the ninth-grade academy experienced only minor change since the previous year and the end of SLC funding. This year, the district added to its program a semi-self-contained classroom serving ten special education students. The addition of this classroom was due to the growing number of middle school students with emotional difficulties scheduled to enter the ninth-grade and to space constraints at both high schools, which eliminated the possibility of these students being served at these facilities.

High School O

School Context

The school is located in a middle class neighborhood, but few of the neighborhood children attend this school (only 10 percent of the students walk to school). The school is actually a campus composed of several buildings on a rather large campus, but the facility is fairly modest. The enrollment is about 1,050, but the numbers fluctuate because the population is very mobile. Enrollment in the school has been declining. The population is over 90 percent African-American, with many students coming from a low-income housing project several miles away. The poverty level (according to free and reduced-price lunch program enrollment) is at or above 60 percent. Over 30 percent of the students are classified as special education. There is a high dropout rate at the school. As the principal and assistant principal said, “By the 11th-grade, we have lost about half of them.” There are about 412 ninth-grade students (about half are repeaters), and about 142 students in the 12th-grade. They claim to be increasing their graduation rate. “If students make it through the 10th-grade on track, a high percentage do graduate.” As of the 2002–03 school year, there was a new principal who was actually considered to be an “interim principal” for the transition year prior to the restructuring, when each SLC school would have its own principal.

Reasons for Applying for Federal SLC Funds

The school was chosen for the study as a freshman academy site, but we found that the grant was written to support transforming the five lowest performing high schools in the district into several smaller schools within their buildings, each with a separate administration, and each with characteristics of small learning communities such as teams, and schools organized thematically. In 2002–03, High School O was ostensibly in the planning phase of changing to three high schools beginning the following school year. They planned for all ninth-grade students to enter a “school of choice,” in which one would be a university academy beginning with grades 9 to 11; one would be a public service learning school beginning with ninth-grade; and a third would be a traditional high school that would phase out with the first cohort that chooses it but would not enroll any new ninth-grade students after that. Thus, they eventually expected to have two high schools at the site (and not three).

SLC Activities

This freshman academy is comprised of ninth-grade teams that have existed since about 1995 (long before the SLC grant). A team includes the core teachers—English, math, social studies and science—who all teach the same kids, very much on the classic middle school model. The team members have the same planning period and meet from two to five times a week. There are currently two ninth-grade teams. There are also 10th-grade teams. Last school year (2001–02) they began to move toward teams in the upper house (11th- to 12th-grade), but they do not work as well because students are individually rostered and have more electives.

A central feature of the SLC program is a school-based, multi-service center that is trying to meet the social-emotional needs of the students. The center is externally funded (a collaboration of 84 health and social service agencies) and includes three therapists (licensed professional counselors) and a nurse. In addition to providing individual and group counseling sessions, the center provides support to teachers and staff and nursing assistance. The center also provides services to families and professional development to staff. According to the director of the center (a very savvy social worker who formerly worked in the district office), about 75 percent of the services are for the ninth-grade. One of the programs offered at the center is a leadership team (of students) that participates in a variety of activities, including trips, environmental programs, intergenerational activities, and community service. Band is another popular program offered in the school, and is considered by the director of the center and other counselors to be “therapeutic.” The school also offers a three-week summer “intervention.”

During the 2002–03 school year, the ninth-grade students spend the school day as a cohort or team, and they are not individually rostered for their major subjects. The day was block scheduled (90-minute periods every other day). All classes, except science, were located in one corridor. A special education resource teacher was also part of the team, as there was a fair amount of inclusion or mainstreaming. (Note: The students in the focus group—as of November—were not particularly enamored of the team concept, especially staying in the same group all day, or of the block scheduling!)

Status in 2003–04

The public school district split into three small schools and in the 2003–04 school year High School O became a reconstituted or “new” school. It now has ninth-grade only and about 180 students. It will add a grade each year to become a full high school. The school has a new principal, also new to the district. About three-quarters of its teachers taught in the original High School O.

Appendix I

Modeling of Pre and Post Differences in APR Outcomes

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Modeling of Pre and Post Differences in APR Outcomes

The presentation in Chapter 5 of changes in student outcomes as reported by schools on the APR for school years 1996–97 through 2002–03 was primarily descriptive. Complementing the methodology discussion in Chapter 5, this appendix presents a more formal discussion of our approach to modeling school-level outcomes using longitudinal growth curve analyses, and also presents the formal statistical findings from our analyses of pre and post differences in APR outcomes (Exhibit I.1 and I.2).

As presented in Chapter 5, the main questions driving these analyses are:

- How do SLC schools change over time with respect to each outcome of interest?
- How does each outcome differ before and after federal SLC funding?
- Do trajectories of change vary among schools?

The analyses discussed in Chapter 5 focus on the use of growth curve modeling within a hierarchical linear mixed model (HLM). In practice, this entails the modeling of trends in outcomes over time, based on the repeated observations within each school, with the assumption that the underlying functional form of the trends is linear.³

Because trends are modeled and compared before and after SLC funds were received, the effects of four variables are estimated for each outcome.

- Intercept: the value of the outcome of interest in the year prior to receiving the SLC grant;
- Time: the rate of change of the outcome of interest during the pre-grant period;
- Difference: the “jump” in the outcome between the pre- and post-funding periods;⁴ and
- Difference*Time: the difference in the rate of change between the pre- and post-funding periods.

³ The validity of this assumption was explored through the examination of individual school-level growth plots. Through this examination, it was determined that the use of linear models was appropriate.

⁴ We use the term “jump” here to refer to the difference between the model intercept and the average value of the outcome in the post-grant period.

Model Specification

Using HLM, models here were specified at two levels: within schools (Level 1) and between schools (Level 2).

Level 1: Within School Model

$$Y_{ij} = \pi_{0i} + \pi_{1i}TIME_{ij} + \pi_{2i}DIFFERENCE_{ij} + \pi_{3i}DIFFERENCE*TIME_{ij} + r_{ij}$$

Where

π_{0i} = the value of the outcome of interest for school i in the year prior to receiving the SLC grant (intercept);

$\pi_{1i}TIME_{ij}$ = the rate of change of the outcome of interest for school i during the pre-grant period;

$\pi_{2i}DIFFERENCE_{ij}$ = the “jump” in the outcome between pre- and post-funding periods for school i ;

$\pi_{3i}DIFFERENCE*TIME_{ij}$ = the difference in the rate of change between the pre- and post-funding periods for school i ; and

r_{ij} = residual difference between the actual and estimated school value i at time j , assumed to represent measurement error.

Level 2: Between-School Model

$$\pi_{0i} = \beta_{00} + u_{0i}$$

$$\pi_{1i} = \beta_{10} + u_{1i}$$

$$\pi_{2i} = \beta_{20} + u_{2i}$$

$$\pi_{3i} = \beta_{30} + u_{3i}$$

Where

β_{00} = the average value of the outcome of interest in the year prior to receiving the SLC grant;

u_{0i} = the difference between the average and individual value in the year prior to receiving the SLC grant for school i ;

β_{10} = the average rate of change in the outcome of interest during the pre-grant period;

u_{1i} = the difference between the average and individual average rate of change during the pre-grant period for school i ;

β_{20} = the average “jump” in the outcome between pre- and post-funding periods;

u_{2i} = the difference between the average and individual “jump” in the outcome between pre- and post-funding periods for school i ;

β_{30} = the average difference in the rate of change between the pre- and post-funding periods; and

u_{3i} = the difference between the average and individual rate of change between the pre- and post-funding periods for school i .

Together, the Level 1 and Level 2 Models result in the following combined model:

$$Y_{ij} = \beta_{00} + \beta_{10}TIME_{ij} + \beta_{20}DIFFERENCE_{ij} + \beta_{30}DIFFERENCE * TIME_{ij} \\ + u_{0i} + u_{1i}TIME_{ij} + u_{2i}DIFFERENCE_{ij} + u_{3i}DIFFERENCE * TIME_{ij} + r_{ij}$$

As is evident in this combined model, this mixed model results in two sets of results. First, the fixed (or average) effects:

$$\beta_{00} + \beta_{10}TIME_{ij} + \beta_{20}DIFFERENCE_{ij} + \beta_{30}DIFFERENCE * TIME_{ij} ,$$

representing the average growth curve or the average trend over time. Secondly, the random (or difference) effects:

$$u_{0i} + u_{1i}TIME_{ij} + u_{2i}DIFFERENCE_{ij} + u_{3i}DIFFERENCE * TIME_{ij} ,$$

representing the variation of individual school estimates from each of the fixed effects. These random effects are examined to see whether or not individual schools vary significantly from each other with respect to each of the estimated coefficients in the model.

Centering Time

For ease of interpretation, the intercept term was centered within the range of the data, i.e., on school year 1999–2000, or the last year prior to the distribution of SLC grant funds to schools. Interpretation of this and other terms is illustrated in the example that follows:

Interpretation Example

Using participation in extracurricular activities as an example, we present the fixed and random effects estimates from our statistical modeling procedure (see Exhibits I.1 and I.2). The intercept estimate tells us that at time = “0”, the average value of extracurricular is 43.1. In other words, at the last year prior to receiving the SLC grant (SY 1999-2000), the average percentage of students in extracurricular activities was 43 percent. In addition, this form varied significantly among schools, ranging from a low of 10 percent to a high of 96 percent (see Exhibit I.2).

The coefficient for “time” is 0.67. This is the estimate of the time slope when “difference” is equal to zero (i.e., pre-SLC grant). Thus, on average, there was a little over a half a percentage point increase per year in extracurricular activities during the pre-SLC grant phase. The small increase over time was not statistically significantly different from 0. We conclude, therefore, that the slope for the period prior to receiving the SLC grant was flat.

The coefficient for the “difference” term is 5.24. The difference effect refers to the post-SLC grant intercept difference. This means that the post-SLC grant participation in extracurricular activities was on average 5.2 percentage points higher than pre-SLC grant participation. This increase was statistically significant ($p < 0.05$), and we therefore conclude that relative to the pre-SLC grant years, average participation in extracurricular activities was higher during the post-SLC grant years. This difference term also varied significantly across schools, ranging from a low of –8.4 percentage points to a high of 43.5 percentage points.

The coefficient for “difference*time” tells us the difference between the pre-SLC grant time slope and the post-SLC grant time slope. The value of this coefficient is –0.19; thus, the post-SLC grant slope is a little flatter (less positive) than the pre-SLC grant slope. The estimate of the post-SLC grant slope is calculated as (time + time*difference), which is equal to $0.67 - 0.19 = 0.48$. This estimate represents a rather flat increase of about a half a percentage point per year, which is not statistically significant. This difference in slopes, however, varied significantly across schools, ranging from a low of –23.4 percentage points to a high of 16.4 percentage points.

We thus conclude that the average level of participation in extracurricular activities during the post-SLC grant period was statistically significantly greater than during the pre-grant period, but that the change in participation over time during the post-grant period was not significantly different from the change over time during the pre-grant period.

Exhibit I.1

Estimates of Fixed Effects From School-Level Growth Models^a Examining Change in Various Academic and Behavioral Outcomes Between the 1997–97 and 2002–03 School Years

Outcome	Parameter Estimate			Difference* Time
	Intercept	Time ^b	Difference	
Percent students at or above proficiency in reading (<i>n</i> =35)	58.37***‡	-1.23*	3.57‡	n.a.
Percent students at or above proficiency in mathematics (<i>n</i> =31)	48.43***‡	-3.48**	12.45*	n.a.
Percent students at or above 50 th percentile on SAT9 in reading (CA only) (<i>n</i> =27)	29.81***‡	n.a.	2.00**	n.a.
Percent students at or above 50 th percentile on SAT9 in mathematics (CA only) (<i>n</i> =27)	42.50***‡	2.33***	-3.25*	n.a.
Percentage of students in grades 11 and 12 taking ACT (<i>n</i> =64)	15.22***‡	0.65**	1.93‡	-1.22‡
Percentage of students in grades 11 and 12 taking SAT (<i>n</i> =90)	19.47***‡	0.46*	-0.36‡	1.39‡
Total SAT score (<i>n</i> =89)	951.52***‡	0.39	-11.27‡	2.11‡
Total ACT score (<i>n</i> =70)	19.49***‡	0.07	0.05‡	-0.26*‡
Promotion rate from 9 th to 10 th grade (<i>n</i> =116)	81.40***‡	-0.28	-2.76‡	2.33*‡
Graduation rate based on 9 th grade enrollment four years prior of graduating cohort (<i>n</i> =69)	54.58***‡	2.11*‡	-4.12*‡	n.a.
Graduation rate, based on 12 th grade enrollment of graduating cohort (<i>n</i> =114)	88.88***‡	0.63	-1.75	0.50‡
Percent students simultaneously enrolled in secondary and college-level courses (<i>n</i> =86)	4.84***‡	0.70***‡	2.06**	-1.71***‡
Percent graduates intending to attend 2- or 4-year college (<i>n</i> =77)	64.79***‡	n.a.	4.30***‡	n.a.
Average daily attendance (<i>n</i> =88)	89.86***‡	0.34***‡	n.a.	n.a.
Percent students involved in extracurricular activities (<i>n</i> =78)	43.09***‡	0.67	5.24*‡	-0.19‡
Incidence of school violence per 100 students (<i>n</i> =100)	5.85***‡	0.08‡	-1.47*	0.08‡
Incidence of alcohol and/or drug use per 100 students (<i>n</i> =93)	1.62***‡	-0.07‡	n.a.	n.a.
Incidence of disciplinary action per 100 students (<i>n</i> =113)	26.94***‡	-1.37‡	1.57‡	-0.07‡

p* < 0.05 *p* < 0.01 ****p* < 0.001

‡Significant variation among schools as evidenced by random effect in mixed growth curve model.

n.a. Estimate not significantly different from zero and dropped from statistical model.

Notes: a Models presented are result of comprehensive model-building process. Those presented provide the best-fitting and most parsimonious representation of each outcome variable.

b Time centered on 2000-2001 school year, the first year of SLC implementation as supported by the federal SLC grant.

Exhibit I.2**Estimates of Random Effects From School-Level Growth Models,^a Examining Change in Various Academic and Behavioral Outcomes Between the 1996–97 and 2002–03 School Years**

Outcome	Mean	Minimum	25th Percentile	Median	75th Percentile	Maximum
Percent students at or above proficiency in reading (<i>n</i> =35)						
Intercept	58.37	11.99	25.90	68.71	87.28	98.20
Difference	3.57	-54.42	-0.73	4.84	14.54	42.08
Percent students at or above proficiency in mathematics (<i>n</i> =31)						
Intercept	48.43	19.29	40.00	47.49	57.74	84.06
Percent students at or above 50th percentile on SAT9 in reading (CA only) (<i>n</i> =27)						
Intercept	29.81	6.59	16.31	27.42	46.06	68.66
Percent students at or above 50th percentile on SAT9 in mathematics (<i>n</i> =27)						
Intercept	42.50	13.29	27.51	41.12	57.70	75.66
Percent students in grades 11 and 12 taking ACT (<i>n</i> =64)						
Intercept	15.22	1.70	6.99	14.11	20.34	45.73
Difference	1.93	-40.53	-1.56	0.07	2.92	98.86
Difference*Time	-1.22	-39.22	-2.17	-1.01	0.26	26.77
Percent students in grades 11 and 12 taking SAT (<i>n</i> =90)						
Intercept	19.47	3.04	13.82	19.38	25.53	36.88
Difference	-0.36	-25.83	-1.48	0.43	1.99	16.72
Difference*Time	1.39	-6.62	-0.99	0.24	1.44	32.31
Total SAT score (<i>n</i> =89)						
Intercept	951.52	726.01	875.96	953.77	1034.37	1239.22
Difference	-11.27	-541.88	-27.18	-7.86	9.45	180.78
Difference*Time	2.11	-74.93	-5.71	1.20	6.95	186.16

Cont'd., p. I-9

Exhibit I.2 (continued)**Estimates of Random Effects from School-Level Growth Models,^a Examining Change in Various Academic and Behavioral Outcomes Between the 1996–97 and 2002–03 School Years**

Outcome	Mean	Minimum	25th Percentile	Median	75th Percentile	Maximum
Total ACT score (<i>n</i> =70)						
Intercept	19.49	14.55	17.89	19.83	21.25	24.86
Difference	0.05	-1.41	-0.49	-0.08	0.45	6.67
Difference*Time	-0.26	-3.45	-0.37	-0.18	-0.01	0.41
Promotion rate from 9th to 10th grade (<i>n</i> =116)						
Intercept	81.40	43.93	73.06	85.01	93.89	98.48
Difference	-2.76	-64.76	-5.60	-0.15	3.74	22.19
Difference*Time	2.33	-14.85	-0.35	0.86	3.54	25.07
Graduation rate based on 9th-grade enrollment four years prior of graduating cohort (<i>n</i> =69)						
Intercept	54.58	7.45	41.24	56.61	71.60	97.76
Time ^b	2.11	-3.51	0.87	1.70	2.73	19.71
Difference	-4.12	-43.23	-5.65	-3.15	-1.11	8.72
Graduation rate, based on 12th-grade enrollment of graduating cohort (<i>n</i> =114)						
Intercept	88.88	53.82	85.04	91.06	94.41	99.70
Difference*Time	0.50	-3.26	-0.40	0.24	0.90	8.51
Percent students simultaneously enrolled in secondary and college-level courses (<i>n</i> =86)						
Intercept	4.84	0.53	0.95	1.79	4.05	30.00
Time ^b	0.70	-0.63	0.48	0.56	0.76	4.79
Difference*Time	-1.71	-4.76	-1.82	-1.68	-1.55	0.37
Percent graduates intending to attend two- or four-year college (<i>n</i> =77)						
Intercept	64.79	35.80	55.16	66.18	76.70	85.38
Difference	4.30	-6.49	2.37	4.14	6.48	13.44

Cont'd., p. I-10

Exhibit I.2 (continued)

Estimates of Random Effects from School-Level Growth Models,^a Examining Change in Various Academic and Behavioral Outcomes Between the 1996–97 and 2002–03 School Years

Outcome	Mean	Minimum	25th Percentile	Median	75th Percentile	Maximum
Average daily attendance (<i>n</i> =88)						
Intercept	89.86	70.73	87.04	91.61	94.19	96.29
Time ^b	0.34	-0.84	0.03	0.20	0.49	1.76
Percent students involved in extracurricular activities (<i>n</i> =78)						
Intercept	43.09	10.35	25.25	41.94	58.31	96.28
Difference	5.24	-8.35	-0.49	3.26	9.56	43.51
Difference*Time	-0.19	-23.39	-2.92	0.16	1.84	16.37
Incidence of school violence per 100 students (<i>n</i> =100)						
Intercept	5.85	1.77	3.73	4.75	7.29	17.12
Time ^b	0.08	-9.38	-0.18	0.20	0.52	2.47
Difference*Time	0.08	-5.20	-0.47	-0.04	0.45	8.16
Incidence of alcohol and/or drug use per 100 students (<i>n</i> =93)						
Intercept	1.62	0.46	1.02	1.37	1.99	5.30
Time ^b	-0.07	-0.92	-0.15	-0.01	0.06	0.13
Incidence of disciplinary action per 100 students (<i>n</i> =113)						
Intercept	26.94	0.23	11.04	17.76	30.61	96.01
Time ^b	-1.37	-22.75	-2.14	-0.94	0.21	15.44
Difference	1.57	-42.74	-4.59	1.62	5.20	69.67
Difference*Time	-0.07	-31.77	-4.20	0.60	3.29	33.20

Notes: a Models presented are result of comprehensive model-building process. Those presented provide the best-fitting and most parsimonious representation of each outcome variable.

b Time centered on 2000-2001 school year, the first year of SLC implementation as supported by the federal SLC grant.



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