

MEMORANDUM

December 14, 2018

TO: Board Members

FROM: Grenita Lathan, Ph.D.
Interim Superintendent of Schools

SUBJECT: **2018 ADVANCED PLACEMENT (AP) RESULTS**

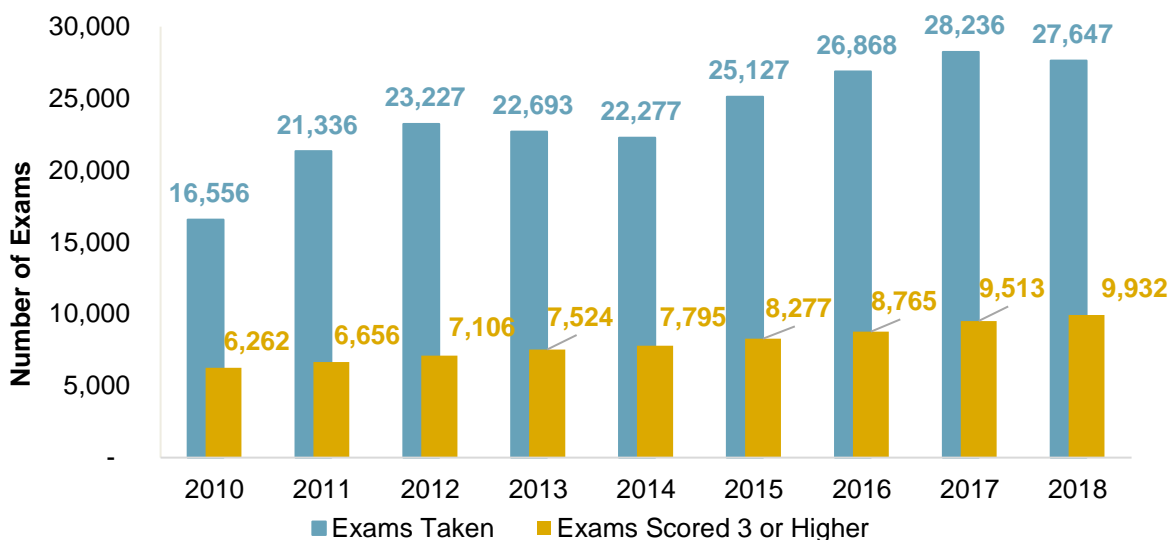
CONTACT: Carla Stevens, 713-556-6700

The results from the Advanced Placement (AP) examinations have been released by the College Board. The Advanced Placement Program provides high school students with the opportunity to take college-level courses and earn college credit. There is a total of 38 AP exams offered in 7 subject categories. HISD schools administered all 38 AP exams in 2018. The AP grade scale ranges from 1 to 5, and a score of 3 or higher qualifies a student to earn advanced placement, college credit, or both.

Key Findings include:

- The number of HISD students participating in AP exams at the high school level in 2018 was 14,732 reflecting a decrease of 286 students from the 15,018 students who took AP exams in 2017. The total number of exams taken by HISD high school students in 2018 was 27,647, a two percent **decrease** (or 589 exams) from 28,236 exams taken in 2017.
- The percentage of these exams scored at a 3 or higher in 2018 **increased** from 34 percent in 2017 to 36 percent in 2018. **Figure 1** presents the nine-year trend for the number of AP exams taken by HISD high school students and the number scored 3 or higher.

Figure 1. AP Exams Taken and Number Scored 3+, 9th–12th grade, 2010–2018



Sources: 2018 College Board AP data file, retrieved August 29, 2018; HISD Research and Accountability Department, *Advanced Placement Report*, 2017, 2015–2016, 2014–2015 and 2013–2014

Note: This graph displays a duplicated count of exams taken by students enrolled in grades 9–12.

Administrative Responses

College Readiness:

This past year, the College Readiness Department created two new teams, consisting of 13 advisors and 2 managers:

1. *A middle school college and career advising program* to deliver presentations that are grade appropriate and focus on choosing an endorsement for high school, the importance of academics, and career options.
2. *A grades 9-11 college and career advising program* to deliver college awareness and academic preparedness presentations that are grade appropriate. In addition, they work with a caseload of students; take students on local and regional college visits; and actively work with campuses to ensure students have linked their Khan Academy test prep accounts with their CollegeBoard accounts.

The above activities and conversations contain significant elements focused on increasing student awareness about the importance of AP courses in regard to receiving college credit, preparation for the rigors of college, and increasing college options.

Innovation & Postsecondary Programming:

The district is committed to providing opportunities for students to earn college credit during middle school and high school via the Advanced Placement Program® (AP) at no cost to students and families.

The district is pleased that in 2018, HISD students earned more college credit through Advanced Placement exams than they have in the past 11 years. 2018 marked an all new high of 37% of exams scoring a 3 or better. This resulted in saving HISD families an average of \$11 million in college tuition had these courses been taken at a four-year Texas public college.

CollegeBoard® recently recognized HISD's Advanced Placement Program for the following accomplishments for the Class of 2018:

- Equitable access to AP Courses: 61% of students in the class of 2018 were connected with fee waivers and fee reductions for AP and SAT® exams.
- HISD students earned 94 AP Capstone Diplomas and 24 AP Seminar and Research Certificates, which was the second highest in Texas and tenth highest in the nation.
- A total of 1,937 HISD students received an AP Scholars® distinction by, at least, scoring a 3 or higher on three or more AP exams in 2018.

The Department of Innovation & Postsecondary Programming is dedicated to increasing access and success with the AP program. Ongoing strategies include, but are not limited to, the following:

- 1) Increase AP teacher effectiveness with AP Summer Institute training, Early-Release PLC trainings throughout the year, and direct teacher support at campuses
- 2) Help campuses create more effective postsecondary programming goals using AP score data, AP Potential® data, and AP Instructional Planning Reports.
- 3) Educate families about the benefits of AP and provide online resources to empower decisions regarding postsecondary options.
- 4) Provide more opportunities for students to learn AP strategies and exam preparation outside the classroom.

- 5) Partner with the National Math and Science Initiative® (NMSI) to provide comprehensive mentoring opportunities and campus-based supports at NMSI partner schools.

Should you have any further questions, please contact Carla Stevens in Research and Accountability at 713-556-6700.

 GL

Attachment

cc: Superintendent's Direct Reports
Area Superintendents
School Support Officers
Annie Wolf

Courtney Busby
Jhareth Bryant
Anna White



RESEARCH

Educational Program Report

ADVANCED PLACEMENT REPORT
2017-2018



2018 BOARD OF EDUCATION

Rhonda Skillern-Jones
President

Jolanda Jones
First Vice President

Anne Sung
Second Vice President

Sergio Lira
Secretary

Holly Maria Flynn Vilaseca
Assistant Secretary

Wanda Adams
Diana Dávila
Susan Deigaard
Elizabeth Santos

Grenita Lathan, Ph.D.
Interim Superintendent of Schools

Carla Stevens
Assistant Superintendent
Department of Research and Accountability

Laurie Zimmerman, Ph.D.
Sr. Research Specialist

Renmin Ye, Ed.D.
Intermediate Applications Developer

Zack Bigner, Ed.D.
Research Manager

Houston Independent School District
Hattie Mae White Educational Support Center
4400 West 18th Street Houston, Texas 77092-8501

www.HoustonISD.org

It is the policy of the Houston Independent School District not to discriminate on the basis of age, color, handicap or disability, ancestry, national origin, marital status, race, religion, sex, veteran status, political affiliation, sexual orientation, gender identity and/or gender expression in its educational or employment programs and activities.

ADVANCED PLACEMENT 2018

Executive Summary

The Advanced Placement (AP) program represents a critical element in HISD's efforts to inject rigor into the high school classrooms. Since 2009, the AP course offerings in HISD have been vastly expanded, with more campuses offering a wider selection of AP courses that exposes a larger percentage of the high school population to academic rigor. Significantly more HISD students are taking and completing AP courses, taking and passing AP Exams, and earning AP Awards now than before 2009.

Highlights of AP in 2018

- The number of high school students taking at least one AP Exam **decreased** by 2 percent to 14,732 in 2018 from 15,018 in 2017.
- The number of AP Exams taken by high school students **decreased** by 2 percent to 27,647 in 2018 from 28,236 in 2017.
- The number of AP Exams scored 3 or higher **increased** by 4 percent to 9,932 in 2018 from 9,513 in 2017; moreover, the proportion of exams scored 3 or higher increased from 34 percent in 2017 to 36 percent in 2018.
- History and Social Sciences represented the largest category among the seven AP categories with 46 percent of all AP Exams taken by high school students, followed by 18 percent in English.
- Enrollment in AP courses **increased** to 36 percent in 2017–2018 compared to 34 percent in the previous year for students enrolled in grades 10–12.
- The number of AP Awards presented to HISD students **increased** by 198 to 2,281 in 2017–2018 reflecting a nine percent **increase** compared to 2016–2017.
- Twenty-four campuses earned more AP Awards in 2017–2018 than in 2016–2017 including seven campuses that **increased** the number of AP Awards earned by double-digits.

Introduction

The College Board's Advanced Placement (AP) Program provides participating high school students with the opportunity to take college-level courses and earn college credit, advanced placement, or both. A possible 38 examinations in Arts, AP Capstone, English, History and Social Science, Mathematics and Computer Science, Sciences, and World Languages and Cultures are administered in May at participating schools (for a complete list of examinations in each category, see **Appendix A**, p. 24). As reported by the College Board, most four-year colleges and universities, as well as institutions in 100 other countries, grant credit, placement, or both to students receiving a qualifying score (i.e. 3 or higher on a scale of 1 to 5) on an AP Exam.¹

Studies show that students who take AP courses and exams are more likely to succeed in college.² Families may also experience tangential financial benefits if students receive advanced placement, college credit, or both. Other benefits afforded to students include opportunities that lead to scholarships or recognition. The AP Program recognizes high school students who have demonstrated outstanding college-level achievement through AP courses and exams with the AP Scholar Awards (**Appendix G-1**, p. 35). Although there is no monetary award, each award-winning student receives a certificate, and the award is acknowledged on any AP score report that is sent to colleges after the award has been conferred.

For the 2017–2018 school year, all courses labeled as “AP” by HISD were authorized through the College Board AP course Audit process. This audit process ensures that courses meet “AP” requirements and that colleges and universities have a venue to review authorized courses offered by secondary schools.³

Administration

The AP Exams are administered each year in May over a two-week period. Once testing has completed, all AP Exams are returned to the Educational Testing Service (ETS) and scores are reported to the College Board. Students who take AP Exams are not required to be enrolled in an AP course.

Scoring

The AP score in each exam is a weighted combination of scores on the multiple-choice section and on the free-response section. The final score is reported on a 5-point scale as follows:

- 5 = extremely well qualified
- 4 = well qualified
- 3 = qualified
- 2 = possibly qualified
- 1 = no recommendation

"Qualified" means that the student has demonstrated the capability of doing introductory-level coursework in a particular subject at college. Many colleges and universities grant credit and placement for scores of 3, 4 or 5; however, each college decides which scores it will accept.

The multiple-choice section is scored by computer. Each answer sheet is scanned and the total number of correct responses equals the multiple-choice score. The free-response section (essays and open-ended

¹ College Board. AP Central: Benefits. Retrieved from <https://apcentral.collegeboard.org/about-ap/ap-a-glance>

² College Board. (2014). *The 10th Annual AP Report to the Nation*.

³ College Board – AP course Audit. Retrieved from <http://www.collegeboard.com/html/apcourseaudit/>

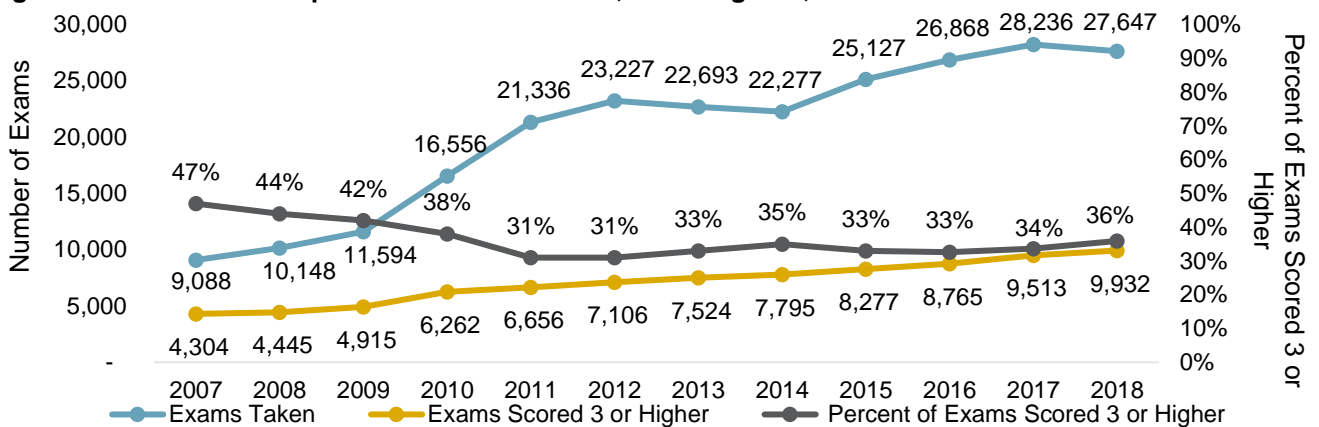
questions) is scored at the annual AP Reading held during the first two weeks in June. Specially appointed college professors and experienced AP teachers score this section of the exam. The total scores from the free-response section and the multiple-choice section are combined to form a composite score. These composite scores are then translated into the 5-point scale using statistical processes designed to ensure that a score of 3 this year reflects the same level of achievement as a score of 3 last year.

Results

Exam Participation and Performance

The total number of exams taken by HISD high school students **decreased** by 2 percent (or 589 exams) to 27,647 in 2018 from 28,236 in 2017. The number of AP Exams taken at district high schools and the number and percent scored 3 or higher are shown in **Figure 1**.

Figure 1. AP Exam Participation and Performance, 9th–12th grade, 2007–2018



Sources: HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results* and 2018 College Board AP data file, retrieved August 29, 2018

2007 to 2014: HISD Research and Accountability Department, *Advanced Placement Report 2013–2014*

Note: This graph displays a duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level unknown (N=755) and attending a high school. Values may differ from previous reports.

Figure 1 indicates the following:

- The number of AP Exams taken by high school students **increased** by 204 percent to 27,647 in 2018 from 9,088 in 2007.
- The number of AP Exams scored 3 or higher in 2018 (9,932) is **more than double** the number scored 3 or higher in 2007 (4,304).
- Based on students' opportunity to earn at least 3 college credits for each AP Exam score of 3 or higher, 9,932 AP exams meeting the criteria at the high school level represents 29,796 estimated college credits. College Board calculates an average rate of \$343.33 per credit hour, indicating a total potential savings for the district's students and families of \$10,229,960.⁴

⁴ The estimates are based on Table 5 of the 2018 College Board report, *Trends in College Pricing*, Retrieved from <https://trends.collegeboard.org/college-pricing>

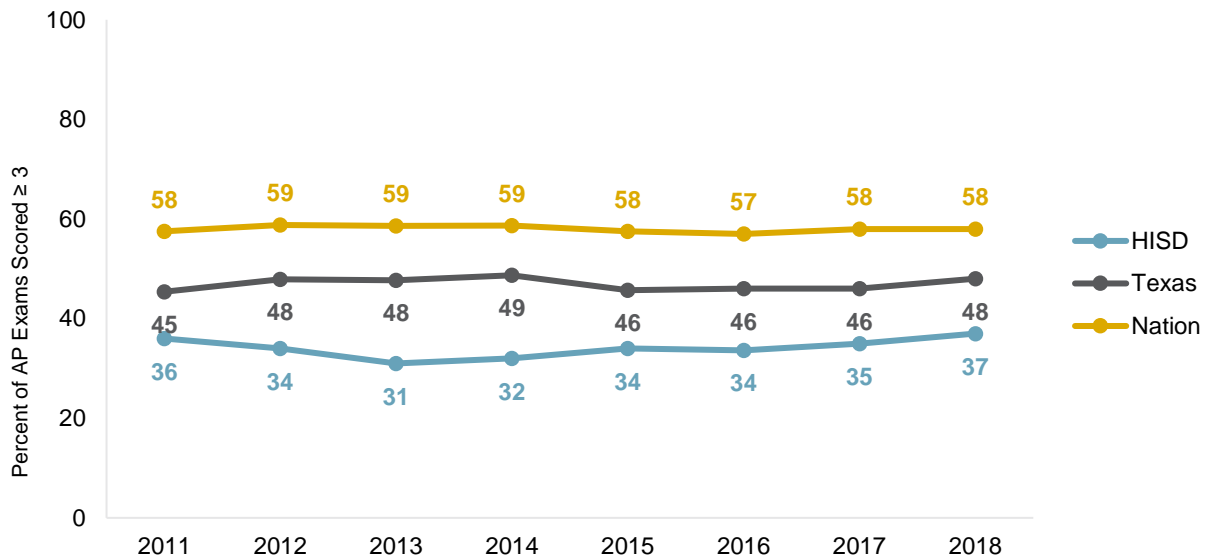
Comparison with State and Nation

The College Board provides AP data for the state of Texas and the nation. Between 2007 and 2018, the number of AP Exams taken by all students in Texas and the United States increased by 162 percent and 133 percent, respectively. As mentioned above, HISD experienced a sharper increase in the number of AP Exams taken by high school students, 204 percent for high school students and 210 percent when middle school students are included.

Figure 2 presents the proportion of all AP Exams scored 3 or higher for HISD, Texas, and the Nation from 2011 through 2018. **Figure 2** indicates the following:

- While the proportion of AP Exams scored 3 or higher has stayed relatively flat for Texas and the Nation since 2011, the district has shown a slow but steady increase from 31 percent in 2013 to 37 percent in 2018.
- In 2018, the proportion of AP Exams scored at 3 or higher in HISD is lower than that of Texas and the Nation by 11 and 21 percentage points, respectively.

Figure 2. AP Exam Performance (HISD, Texas, National), 8th–12th grade, 2011–2018



Sources: Texas and Nation: College Board AP Program Research “School Report of AP Exams 2011 through 2016 (By State and Nation).” Retrieved from <http://research.collegeboard.org/programs/ap/data>; 2017 and 2018 Texas and Nation: *College Board, District Summary with Comparable Groups*. Retrieved from the College Board online score report tool, downloaded on August 29, 2018; 2018 HISD: 2018 College Board AP data file, retrieved August 29, 2018; HISD 2011 to 2017: HISD Research and Accountability Department, *Advanced Placement Report 2016–2017, 2015–2016, 2014–2015, 2013–2014, 2012–2013, 2011–2012, and 2010–2011*

Note: Figures for Nation include data for all 50 states and the District of Columbia.

While the *proportion* of exams scored 3 or higher in any given year is lower for HISD than it is for Texas and the nation, HISD has dramatically increased the *number* of exams scored 3 or higher. For example, between 2007 and 2018, the number of exams scored 3 or higher **increased** by 141 percent from 4,323 (includes eighth grade students) to 10,406 (includes eighth grade students) at HISD compared to increases of 137 percent in the U.S.⁵

⁵Figures include exams taken by all students, including those in 8th grade.

By Exam Category

Table 1 shows the number of AP Exams taken by HISD high school students by the seven AP Exam subject categories outlined in **Appendix A** (p. 24) and the percentage of exams scored 3 or higher.

AP Exam Category	AP Exams Taken		AP Scores ≥ 3	
	N	% of Total	N	% of Exams
History & Social Science	12,794	46%	3,750	29%
English	5,009	18%	1,355	27%
Sciences	3,890	14%	1,247	32%
Math & Computer Science	2,722	10%	1,336	49%
World Languages & Culture	2,255	8%	1,668	74%
AP Capstone	556	2%	375	67%
AP Arts	421	2%	201	48%
HISD Totals	27,647	100%	9,932	36%

Source: 2018 College Board AP data file, retrieved August 29, 2018

Notes: This table displays a duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level unknown (N=755) who tested at a high school campus. Figures may not sum to 100 due to rounding.

Table 1 indicates the following:

- AP Exams taken in the History & Social Science category represented the largest category (46 percent) followed by English (18 percent).
- Success rates ranged from 74 percent (World Languages & Culture) to 27 percent (English).
- While two percent of exams were in the newest AP category, AP Capstone, the success rate was among the highest (67 percent).

By Student Group

Although the number of HISD high school students who took AP Exams and the number of AP Exams taken by HISD high school students decreased in 2018 compared to the year before, the number and percent of exams scoring three or higher **increased** compared to the previous year. The number of high school students who took AP Exams **decreased** by 2 percent to 14,732 in 2018 from 15,018 in 2017 (**Table 2**, p. 6).

Table 2 presents the number of HISD students in grades 9 through 12 in 2017 and 2018 who took an AP Exam, the number of exams taken, and the number of exams scored 3 or higher by race/ethnicity, gender, economic status, English Language Learner (ELL) status, special education status, immigrant status, and gifted and talented (G/T) status. The number of students tested reflects an *unduplicated* count of students who took an AP Exam, and the number of exams taken is a *duplicated* count of exams. In other words, a given student is counted once and all the exams that student has taken are counted as well.

Table 2. AP Exam Participation and Performance by Student Group, 9th–12th grade, 2017 and 2018

Student Group	Students Tested, N		AP Exams Taken, N		AP Scores \geq 3, N		AP Scores \geq 3, % of Exams	
	2017	2018	2017	2018	2017	2018	2017	2018
African American	2,613	2,381	4,275	3,906	627	620	15%	16%
American Indian	12	18	18	34	1	10	6%	29%
Asian/Pacific Islander	1,155	1,190	3,208	3,375	2,334	2,509	73%	74%
Hispanic	8,673	8,846	15,764	15,717	3,904	4,121	25%	26%
White	1,841	1,657	3,743	3,545	2,218	2,279	59%	64%
Two or more races	328	291	678	594	345	298	51%	50%
Other	3	0	4	0	1	0	25%	0%
No Response	393	349	546	476	83	95	15%	20%
Econ Disadv.	9,642	9,978	17,252	17,667	3,876	4,399	22%	25%
Non-Econ Disadv.	5,329	4,737	10,926	9,953	5,627	5,519	52%	55%
ELL	704	800	931	1,039	293	288	31%	28%
Non-ELL	14,267	13,915	27,247	26,581	9,210	9,630	34%	36%
Special Ed	150	158	215	208	38	32	18%	15%
Non-Special Ed	14,821	14,557	27,963	27,412	9,465	9,886	34%	36%
Immigrant	10	11	11	20	6	11	55%	55%
Non-Immigrant	14,961	14,704	28,167	27,600	9,497	9,907	34%	36%
G/T	5,466	5,546	12,274	12,549	6,446	6,980	53%	56%
Non-G/T	9,505	9,169	15,904	15,071	3,057	2,938	19%	19%
Female	8,342	8,200	15,515	15,142	4,602	5,285	30%	35%
Male	6,676	6,532	12,721	12,505	4,163	4,647	33%	37%
HISD Totals	15,018	14,732	28,236	27,647	9,513	9,932	34%	36%

Sources: HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results*; 2018 College Board AP electronic data file, retrieved August 29, 2018;

2018 ELL, G/T, Immigrant, special education, and economic status source: Chancery, May 7, 2018

Notes: This table displays an unduplicated count of students tested and a duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level unknown (N=755). For 2018, economic status, ELL, special education, immigrant, and G/T status could not be determined for 17 students. For 2017, economic status, ELL, G/T status, special education, and immigrant status could not be determined for 47 students. Race/ethnicity, grade level, and gender were self-reported in 2017 and 2018.

The data in **Table 2** show the following:

- Six out of ten (60 percent) HISD high school students who took an AP Exam in 2018 were Hispanic. The number of Hispanic students who took AP Exams **increased** by 2 percent, although the number of exams taken by Hispanic students **didn't change appreciably** compared to last year. The *proportion* of exams scored 3 or higher **increased** slightly from the previous year (26 percent in 2018 compared to 25 percent in 2017), meaning that one out of four exams taken by Hispanic students received a score of three or higher.
- African-American students represented the second largest racial/ethnic group of students who took an AP Exam, accounting for 16 percent of all AP test takers in 2018. When compared to last year, the number of African-American students who took AP Exams **decreased** by 9 percent and the number of exams taken by African-American students **decreased** by 9 percent. The overall number of exams scored 3 or higher taken by African-American students **decreased** but the *proportion* of exams scored at 3 or higher increased by one percentage point (16 percent in 2018 and 15 percent in 2017). Less than two out of ten African-American students who took an AP exam passed.

- White students accounted for 11 percent of AP test takers in 2018. From 2017 to 2018, the number of White students who took AP Exams and the number of exams taken **decreased** by 10 percent and 5 percent, respectively. The proportion of exams scored 3 or higher **increased** from the previous year (64 percent in 2018 compared to 59 percent in 2017). White students are four times as likely as African-American students and about 2.5 times as likely as Hispanic students to pass an AP Exam.
- Asian students accounted for 8 percent of AP test takers in 2018. When compared to last year, the number of Asian students who took AP Exams **increased** by 3 percent and the number of exams taken by Asian students **increased** by 5 percent. Both the overall number of exams scored 3 and higher and the proportion of exams scored 3 or higher taken by Asian students **increased** compared to the previous year (74 percent in 2018 and 73 percent in 2017).
- Economically disadvantaged students accounted for 68 percent of AP test takers in 2018. When compared to last year, the number of economically disadvantaged students who took AP Exams **increased** by 3 percent and the number of exams taken by economically disadvantaged students **increased** by 2 percent. The proportion of exams scored 3 or higher **increased** compared to the previous year (25 percent in 2018 and 22 percent in 2017). Non-economically-disadvantaged students are more than twice as likely to pass an AP Exam as economically-disadvantaged students (55 percent vs. 25 percent).

The College Board provides a measure to assess both equity and excellence for the district. The calculation shows the proportion of a district's senior class who scored a 3, 4 or 5 on an AP exam at any point during high school. Students who met the standard (scores of 3, 4, or 5) are counted only once. Over the past three years, seventeen percent of HISD seniors scored a 3, 4, or 5 during their high school tenure.

Race/Ethnicity	2016			2017			2018		
	District N	AP Scores 3+	%	District N	AP Scores 3+	%	District N	AP Scores 3+	%
HISD Seniors	11,052	1,929	17.2	11,147	1,963	17.6	11,711	2,034	17.4
African American	2,780	169	5.9	2,672	161	5.9	2,738	135	4.9
American Indian	28	-	-	24	2	8.3	20	1	5.0
Asian	438	260	59.2	462	262	56.3	518	283	54.6
Hispanic	6,576	1,105	16.6	6,759	1,133	16.6	7,171	1,237	17.3
Pacific Islander	14	4	26.7	16	4	25	13	5	38.5
White	1,124	369	32.2	1,117	372	32.7	1,145	340	29.7
Two or more races	92	22	23.9	97	31	31.3	106	33	31.1
Econ. Dis.	7,724	1,105	14.1	7,810	1,127	14.2	8,574	1,254	14.6
ELL	1,164	54	4.6	1,295	69	5.3	1,492	106	7.1
Special Ed.	956	13	1.4	911	5	0.5	962	9	0.9
G/T	1,783	1,022	57.3	1,910	1,037	54.3	1,784	1,017	57.0

Sources: 2016, 2017, and 2018 College Board AP electronic data file, retrieved August 29, 2018; Chancery May 7, 2018; Chancery May 1, 2017; Chancery May 2, 2016

Note: Seniors with Chancery data and AP data were included in this analysis. This report may differ from previous reports.

Appendix B–1 (p. 25) shows the proportion of HISD’s senior class who scored a 3, 4, or 5 on an AP exam at any point during high school by campus. Out of 45 campuses that tested 10 or more students in 2018, seven campuses met the criterion for 50 percent of their seniors which is two more than 2017.

By Subject

Appendix B–2 (p. 26) compares the mean scores by subject for HISD students with the mean scores of students in Texas and all AP test-takers. For 2018, HISD participated in all 38 examinations.

For 2018, students in HISD scored a mean of 3 or higher on a five-point scale on 11 of the 38 AP subject examinations where five or more students were tested. Typically, a score of 3 qualifies a student to receive advanced placement and/or college credit. HISD students exceeded the global mean score for 5 out of 38 subject examinations in Music Theory, European History, German, Italian, and Japanese Language and Culture. Mean scores ranged from 1.43 in Physics 1 to 3.91 in Italian Language and Culture. World History represented the subject test taken by the highest number of students (N=3,774); however, mean scores for these exams were lower than the global mean scores by 0.83. Latin was the only Advanced Placement test with fewer than 10 participants.

By Campus

Figure 3, p.9 shows the number of AP Exams taken by HISD students in grades 9 through 12 and the percentage of exams scored 3 or higher for each campus in 2017 and 2018. All AP Exams are represented in this figure, regardless of whether the student was enrolled in the AP course. **Appendix C–1** (p. 27) provides additional details for the number of AP Exams taken and the corresponding performance by campus, and **Appendix C–2** (p. 28) provides the information by HISD Board Member District.

Figure 3 indicates the following:

- Students at Bellaire High School took the largest number of AP Exams in 2018 (2,702) while one exam was taken at Beechnut Academy (an alternative school). A median of 393 AP Exams was taken across 48 high school campuses.
- In 2018, exams taken at Bellaire, Carnegie Vanguard, and Westside high schools accounted for 24 percent of all AP Exams taken in HISD but made up 46 percent of all exams that were scored 3 or higher.
- For the 45 campuses with two years of **participation** data and five or more testers, 27 campuses **increased** the number of AP Exams taken, and 18 campuses **decreased** the number of AP Exams taken.
- For the 45 campuses with two years of **performance** data and five or more testers, the number of AP Exams scored 3 or higher **increased** at 26 campuses, remained the same at four campuses, and **declined** at 15 campuses in 2018 compared to 2017.

Figure 3. AP Exam Participation and Performance by Campus, 9th–12th grade, 2017 and 2018

Ranked by the number of AP Exams taken in 2018

Campus	2017		2018		Change, 2017 to 2018	
	Exams Taken N	Exams ≥3 N	Exams Taken N	Exams ≥3 N	Exams Taken N	Exams ≥3 N
Bellaire HS	2,727	2,136	2,702	2,107	-25	-29
Carnegie HS	2,034	1,444	1,985	1,444	-49	0
Westside HS	1,943	881	1,951	974	8	93
DeBaKey HS	1,381	1,249	1,394	1,259	13	10
Lamar HS	2,033	263	1,368	247	-665	-16
Chavez HS	1,520	308	1,292	254	-228	-54
Heights HS	1,562	266	1,259	244	-303	-22
Northside HS	939	102	1,012	120	73	18
Westbury HS	892	154	946	179	54	25
Energy Inst HS	784	163	820	227	36	64
Eastwood Acad	796	246	816	193	20	-53
Houston MSTC HS	683	124	813	124	130	0
HS Perf. Vis. Arts	787	637	810	671	23	34
Challenge ECHS	770	206	722	250	-48	44
Waltrip HS	530	117	698	124	168	7
Wisdom HS	447	24	620	34	173	10
E-STEM West HS	793	17	611	9	-182	-8
Sharpstown Intl	513	185	583	282	70	97
N. Houston ECHS	710	114	549	173	-161	59
Leland YMCPA	243	43	533	54	290	11
HS for Law & Justice	449	33	528	36	79	3
Austin HS	430	81	509	82	79	1
Madison HS	427	30	487	47	60	17
Sharpstown HS	403	178	423	142	20	-36
Hou Acad. Intl.	532	80	362	63	-170	-17
Tx Conn. Acad.	241	121	359	163	118	42
YWCPA	376	42	357	86	-19	44
Milby HS	396	53	355	68	-41	15
East ECHS	233	50	331	102	98	52
South ECHS	175	26	317	24	142	-2
E-STEM Central HS	192		297	4	105	4
Yates HS	246		266	5	20	5
Furr HS	223	26	222	24	-1	-2
Sterling HS	391	26	209	18	-182	-8
Mount Carmel Acad.	195	20	206	37	11	17
Washington HS	321	5	183	6	-138	1
Wheatley HS	103		168	2	65	2
Kashmere HS	109	1	134		25	-1
North Forest HS	111		125		14	0
Scarborough HS	177	28	106	12	-71	-16
Worthing HS	157	6	79	9	-78	3
Jordan HS	132	6	70	1	-62	-5
Jones HS	111	16	28	16	-83	0
Long Acad	7	3	14	7	7	4
Mid Coll - Fraga	--	--	12	8		
Liberty HS	7	3	11	1	4	-2
Comm. Serv.	0		4	*	*	*
DAEP EL	5	*	1	*	*	*
AVA	--	--	--	--	--	--
DAEP SEC	--	--	--	--	--	--
Mid Coll - Gulfon	--	--	--	--	--	--
V Prep North	--	--	--	--	--	--
V Prep South	--	--	--	--	--	--
HISD Totals	28,236	9,513	27,647	9,932	-589	419

Sources: 2018 College Board AP electronic data file, retrieved August 29, 2018;

HISD Research and Accountability Department, 2017 Advanced Placement (AP) Results

Notes: Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). This table displays a duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level unknown (N=755).

*Masked for number tested < 5;

-- indicates no data for the current/past year

Exam and by Campus

Appendix D (pp. 29–32) presents the results of students who took each AP exam and the number and percent of exams scored 3 or higher for each exam type by campus and district total in 2018.

Course Participation and Performance: AP Course Offerings

Figure 4, p. 11 shows the number of AP courses offered in HISD schools in 2016–2017 and 2017–2018, and the change in the number of courses from 2016–2017 to 2017–2018.

Figure 4 indicates the following:

- In 2018, 44 out of 54 HISD schools offered at least one AP course—a **decrease** of one school compared to 2016–2017.⁶
- Of the 44 schools that offered AP courses in both 2016–2017 and 2017–2018, 20 schools **increased** the number of AP courses offered from 2016–2017, 14 schools **decreased** AP course offerings; and 10 schools had no change.
- The largest **increase** in AP courses offered in 2016–2017 compared to 2017–2018 occurred at Westside High School (6 courses).
- The largest **decrease** in AP courses offered in 2016–2017 compared to 2017–2018 occurred at Chavez High School with a reduction of eight courses. However, Chavez High School began offering the International Baccalaureate (IB) Diploma program, so students will be taking both IB courses and AP courses.

⁶ This includes HISD campuses that serve students enrolled in grades 9, 10, 11, or 12 only.

Figure 4. Distinct AP Courses Offered* by Campus, 2016–17 and 2017–18

Ranked by the number of courses in 2017–18

Campus	2016–2017	2017–2018	Change
Carnegie HS	29	31	2
Westside HS	25	31	6
Bellaire HS	22	23	1
Northside HS	22	23	1
DeBakey HS	22	22	0
Energy Inst HS	19	20	1
Houston MSTC HS	22	20	-2
Eastwood Acad	20	19	-1
Westbury HS	18	19	1
Leland YMCPA	15	18	3
Austin HS	16	17	1
Milby HS	17	17	0
Sharpstown Intl	18	17	-1
Wisdom HS	15	17	2
Challenge ECHS	13	15	2
Heights HS	18	15	-3
HS for Law & Justice	14	15	1
HS Perf. Vis. Arts	14	15	1
Madison HS	15	15	0
Scarborough HS	15	15	0
Waltrip HS	15	14	-1
Chavez HS	21	13	-8
YWCPA	15	13	-2
E-STEM Central HS	12	12	0
E-STEM West HS	12	12	0
Furr HS	11	12	1
Sterling HS	12	12	0
N. Houston ECHS	13	11	-2
Washington HS	12	11	-1
Sharpstown HS	13	10	-3
Hou Acad. Intl.	9	9	0
Mount Carmel Acad.	9	9	0
Yates HS	11	9	-2
East ECHS	6	8	2
Kashmere HS	9	8	-1
North Forest HS	7	8	1
South ECHS	6	7	1
Wheatley HS	6	7	1
Worthing HS	5	7	2
Lamar HS	4	5	1
Jordan HS	5	4	-1
Jones HS	5	3	-2
Liberty HS	1	2	1
Long Acad	2	2	0
Community Services	2	0	-2
HISD	36	35	-1

Source: End of Year Chancery Grades data files, June 6, 2017 and June 18, 2018

Note: *Courses displayed had at least one student enrolled within the respective academic year. Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP).

By Student Group

AP course completion is defined as students enrolled in an AP course who earn a passing grade at the end of the course (70 or higher) (most AP courses require two semesters to qualify for completion). Very few AP courses are available for students in grade 9, but ninth grade usually has the largest enrollment in high schools. Thus, basing percentages of AP courses on enrollment that includes 9th graders does not accurately reflect the rates of participation. **Table 4** presents the number and percent of HISD students in grades 10–12 who completed AP courses by student group including race/ethnicity, economic status, English Language Learner status, special education status, G/T status, Immigrant status, and gender. This table reflects an *unduplicated* count of students for courses.

Table 4. AP Course Enrollment and Completion by Student Group, 10th –12th grade, 2016–2017 and 2017–2018

Student Group	Grades 10-12 Enrollment				AP Course Enrollment				AP Course Completion			
	2016-2017		2017-2018		2016-2017		2017-2018		2016-2017		2017-2018	
	N	%	N	%	N	%	N	%	N	%	N	%
African American	8,407	24	8,700	24	2,615	31	2,564	29	2,404	92	2,316	90
American Indian/Alaskan Native	82	<1	72	<1	24	29	25	35	23	96	22	88
Asian/Pacific Islander	1,551	4	1,594	4	1,005	65	1,065	67	994	99	1,047	98
Hispanic	21,212	60	22,150	61	7,789	37	7,795	35	7,157	92	7,175	92
White	3,768	11	3,709	10	1,483	39	1,461	39	1,437	97	1,384	95
Two or More	322	1	354	1	141	44	147	42	134	95	135	92
Econ. Disadv.	24,850	70	26,935	74	8,720	35	9,098	34	8,016	92	8,334	92
Non-Econ. Disadv.	10,492	30	9,644	26	4,337	41	3,959	41	4,133	95	3,745	95
ELL	4,220	12	4,845	13	542	13	658	14	475	88	580	88
Non-ELL	31,122	88	31,734	87	12,515	40	12,399	39	11,674	93	11,499	93
Female	18,016	51	18,499	51	7,258	40	7,165	39	6,819	94	6,747	94
Male	17,326	49	18,080	49	5,799	33	5,892	33	5,330	92	5,332	90
Special Education	2,805	8	2,967	8	150	5	150	5	130	87	130	87
Non-Special Education	32,537	92	33,612	92	12,909	40	12,907	38	12,019	93	12,090	94
G/T	5,962	17	6,269	17	4,406	74	4,676	75	4,295	97	4,514	97
Non-G/T	29,380	83	30,310	83	8,651	29	8,381	28	7,854	91	7,565	90
Immigrant	13	<1	15	<1	7	54	11	73	7	100	10	91
Non-Immigrant	35,329	100	36,564	100	13,050	37	13,046	36	12,142	93	12,069	93
HISD Totals	35,342	100	36,579	100	13,057	37	13,057	36	12,149	93	12,079	93

Sources: End of Year Chancery Grades data files, June 6, 2017 and June 18, 2018

Notes: Table displays an unduplicated count of HISD students enrolled in grades 10-12. AP course completion is defined as enrolled in an AP course and earning a passing grade at the end of the course (70 or higher). Data for the 2016–2017 school year were updated and may differ from previously published reports.

Table 4 indicates the following:

- In 2017–18, the *number* of 10th–12th graders enrolled in an AP course **remained the same** for the district; however, the proportion of 10th–12th graders enrolled in an AP course **decreased** to 36 percent in 2017–2018 from 37 percent in 2016–2017.
- The *number* of 10th–12th graders enrolled in an AP course **increased** for all racial/ethnic groups in 2017–2018 except for African American and White students where the number declined by 51 and 22 students, respectively. The *proportion* of American Indian students, Asian/Pacific Islander students, and students of Two or more races enrolled in AP courses **increased**, while African American and Hispanic students **decreased**, and White students **remained the same**, when comparing 2016–2017 to 2017–2018.
- The *number* of 10th–12th graders enrolled in an AP course **increased** for economically disadvantaged students in 2017–2018 compared to the previous year. Although, the *proportion* of economically disadvantaged students enrolled in an AP course **decreased** by one percentage point from the previous year, the course completion rate **remained the same** when comparing 2016–2017 to 2017–2018.
- Hispanic and African-American students are less likely to enroll in AP courses compared to their Asian and White counterparts. Only 35 percent and 29 percent of Hispanic and African-American students, respectively, were enrolled in AP courses in 2017–2018 compared to 39 percent and 67 percent of White and Asian students, respectively.
- Among students enrolled in AP courses in 2017–2018, 93 percent completed at least one, reflecting no change in the completion rate compared to the previous year. AP course completion rates **decreased** between 2016–2017 and 2017–2018 for all racial/ethnic groups except for Hispanic students where course completion rates **remained the same**.

By Campus

Figure 5 (p. 14) shows the percent of students in grades 10–12 who completed at least one AP course in 2016–2017 and 2017–2018 by campus. Data for **Figure 5** is *unduplicated*—a student in grades 10–12 is counted only once if the student took and completed one or more AP courses. Percentages are based on AP courses taken by students in grades 10–12.

Figure 5. AP Course Completion by Campus, 10th–12th grade, 2016–2017 and 2017–2018

Ranked by number of course completers in 2018

Campus Name	2016–17			2017–18			Change 2016–17 to 2017–18		
	Total Enrolled 10–12	Completed ≥ 1 AP Course N	%	Total Enrolled 10–12	Completed ≥ 1 AP Course N	%	Total Enrolled 10–12	Completed ≥ 1 AP Course N	%
Westside HS	2,076	952	46	2,022	922	46	-54	-30	0
Bellaire HS	2,353	890	36	2,369	886	37	16	-4	1
Heights HS	1,639	675	40	1,691	672	40	52	-3	0
Lamar HS	2,405	809	32	2,432	657	27	27	-152	-5
Houston MSTC HS	1,876	453	22	1,896	512	27	20	59	5
DeBakey HS	564	473	83	592	469	79	28	-4	-4
Westbury HS	1,461	444	27	1,556	466	30	95	22	3
Chavez HS	2,074	762	35	2,140	443	21	66	-319	-14
Carnegie HS	443	442	99	438	434	99	-5	-8	0
Waltrip HS	1,127	377	31	1,190	402	34	63	25	3
Northside HS	1,094	365	30	1,051	401	38	-43	36	8
Wisdom HS	1,137	244	19	1,343	323	24	206	79	5
Austin HS	1,208	287	22	1,237	322	26	29	35	4
Energy Inst HS	492	321	65	499	319	64	7	-2	-1
HSPVA	545	310	56	573	310	54	28	0	-2
Sterling HS	663	202	27	824	298	36	161	96	9
Sharpstown HS	980	246	22	1,145	286	25	165	40	3
Challenge EC HS	342	319	93	336	284	85	-6	-35	-8
Madison HS	1,066	286	24	1,116	269	24	50	-17	0
Eastwood Acad HS	320	227	71	311	256	82	-9	29	11
LECJ HS	258	223	84	300	244	81	42	21	-3
Sharpstown Intl	428	235	54	437	239	55	9	4	1
North Houston EC HS	336	252	75	339	219	65	3	-33	-10
HAIS HS	324	246	74	344	199	58	20	-47	-16
E-STEM West HS	219	217	98	196	195	99	-23	-22	1
Milby HS	903	185	19	968	193	20	65	8	1
East EC HS	341	92	27	362	168	46	21	76	19
South EC HS	145	86	56	243	163	67	98	77	11
Furr HS	703	228	30	725	154	21	22	-74	-9
Washington HS	511	133	23	549	140	26	38	7	3
Yates HS	518	140	24	514	135	26	-4	-5	2
YWCPA	129	123	92	136	132	97	7	9	5
North Forest HS	610	78	11	636	131	21	26	53	10
Wheatley HS	459	91	18	604	129	21	145	38	3
Leland YMCPA	92	91	98	129	126	98	37	35	0
E-STEM Central HS	81	80	95	122	110	90	41	30	-5
Scarborough HS	501	135	24	522	107	20	21	-28	-4
Mount Carmel Acad HS	262	98	37	266	101	38	4	3	1
Worthing HS	456	71	14	514	82	16	58	11	2
Kashmere HS	349	52	13	458	62	14	109	10	1
Jones HS	226	77	33	326	49	15	100	-28	-18
Jordan HS	313	119	37	142	46	32	-171	-73	-5
Long Acad	153	7	4	137	15	11	-16	8	7
Liberty HS	337	5	1	317	9	3	-20	4	2
Community Services	25	*	*	33	0	0	8	--	--
Beechnut Acad	47	--	--	--	--	--	--	--	--
Harper Alt.	13	--	--	--	--	--	--	--	--
Harper DAEP	--	--	--	8	--	--	--	--	--
HCC Lifeskills	11	--	--	54	--	--	43	--	--
Middle College HS - Fraga	74	--	--	80	--	--	--	--	--
Middle College HS - Gulfton	93	--	--	74	--	--	--	--	--
Reach HS	194	--	--	--	--	--	--	--	--
Rogers, TH MS	15	--	--	17	--	--	2	--	--
Secondary DAEP	--	--	--	131	--	--	--	--	--
TCAH	2,150	--	--	1,975	--	--	-175	--	--
V Prep North	84	--	--	--	--	--	--	--	--
V Prep South	117	--	--	160	--	--	--	--	--
HISD	35,342	12,149	34	36,579	12,079	33	1,536	-70	-1

Sources: End of Year Chancery Grades data files, June 6, 2017 and June 18, 2018

Notes: Table displays an unduplicated count of HISD students enrolled in grades 10-12. Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP).

*Masked # students < 5. District totals include 19 students who completed an AP course at more than one campus.

--denotes no data available

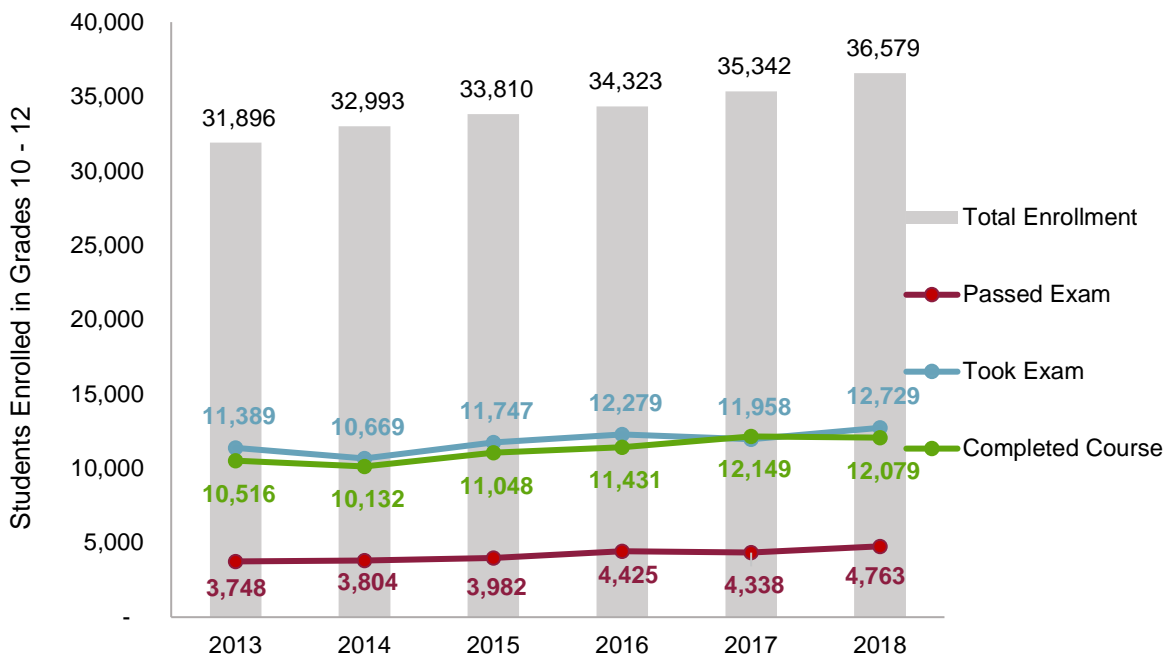
Figure 5 indicates the following:

- HISD students were less likely to complete an AP course this year compared to last year. In 2017–2018, 33 percent of students enrolled in grades 10–12 in the district completed at least one AP course, reflecting a one-percentage point **decrease** from the previous year.
- In 2017–2018, the proportion of students enrolled in grades 10–12 who completed at least one AP course where AP courses were offered ranged from three percent at Liberty HS to 99 percent at Carnegie HS and E-STEM West HS.
- Among the 44 HISD campuses with two years of data, the proportion of students who completed at least one AP course **increased** in 2017–2018 from the previous year at 26 campuses, **declined** at 15 campuses, and **remained the same** at 3 campuses.

Course and Exam Participation and Performance

Figure 6 shows the number of students enrolled in grades 10–12 who completed at least one AP course, the number who took at least one AP Exam, and the number who received a score of 3 or higher on at least one AP Exam from 2012–2013 to 2017–2018. Figures for each series reflect an *unduplicated* count of students.

Figure 6. AP Course Completion and Exam Performance, 10th – 12th grade, 2013–2018



Sources: End of Year Chancery Grades data files, June 6, 2017 and June 18, 2018; HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results*; College Board AP data files for respective year

Note: This graph displays an unduplicated count of students enrolled in grades 10–12. AP course completion is defined as receiving a passing grade at the end of the course (70 or higher) for each semester that is required. Students could take the AP exam without completing the AP course or could have taken the AP course outside of HISD. Results from the prior year were recalculated using the same methodology for 2018.

Figure 6 indicates:

- The number of students enrolled in grades 10 through 12 who took at least one AP Exam **increased** by six percent to 12,729 in 2018 from 11,958 in 2017.
- The number of students enrolled in grades 10 through 12 who completed at least one AP course **decreased by** one percent to 12,079 in 2018 from 12,149 in 2017.
- The number of students enrolled in grades 10 through 12 who passed at least one AP Exam **increased** by 10 percent to 4,763 in 2018 from 4,338 in 2017.
- Among students enrolled in grades 10 through 12 in 2017–2018, 35 percent had taken at least one AP Exam, 33 percent had completed an AP course, and 13 percent had passed an AP Exam.

By Campus

Corresponding AP course enrollment and exam data are presented by campus in **Appendix E** (p. 33). Data analyzed include students enrolled in grades 9–12, the number of AP courses taken, the number and percent of AP courses completed (passed), and the number and percent of AP Exams taken and scored 3 or higher by campus.

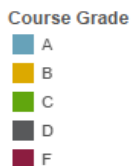
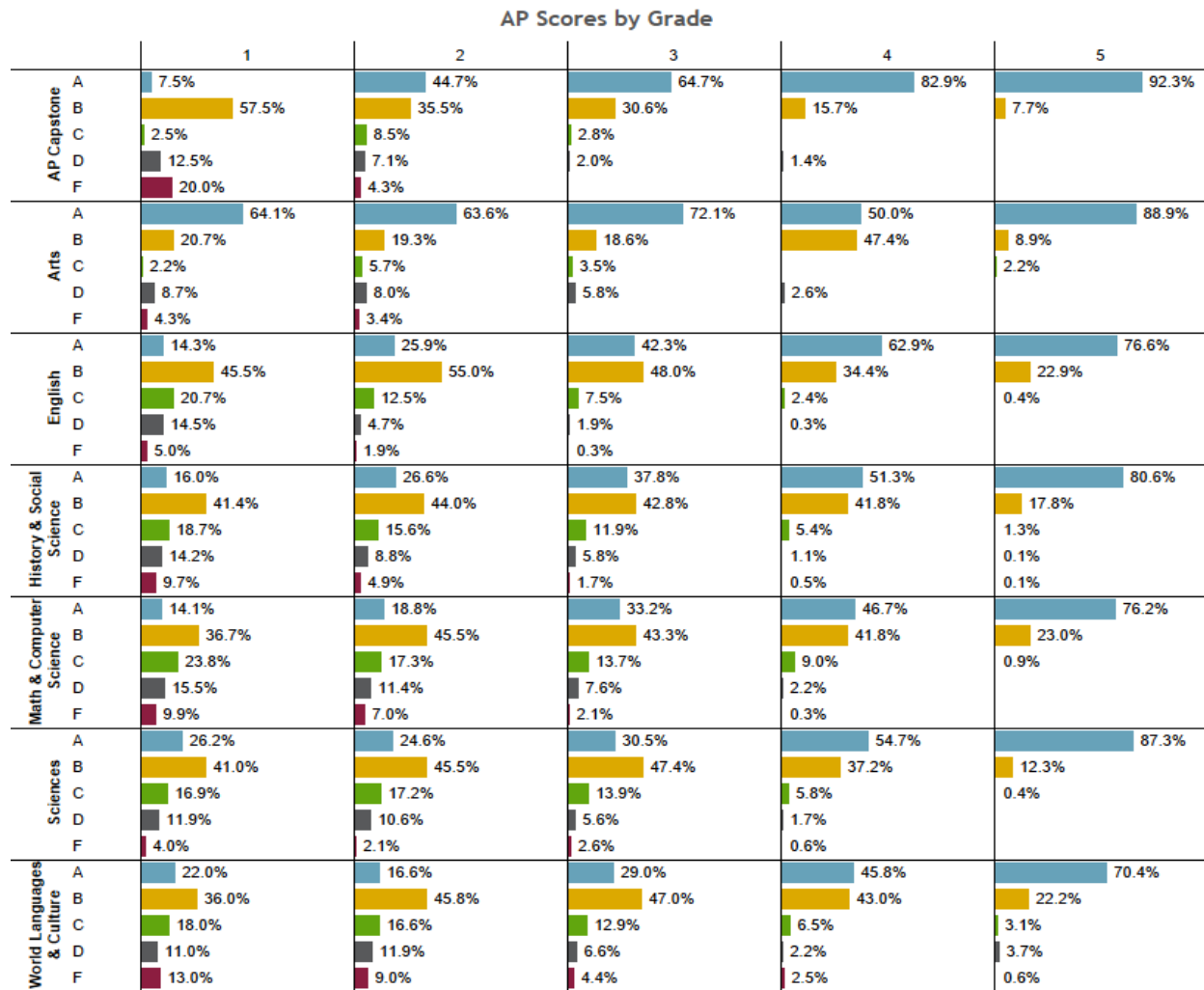
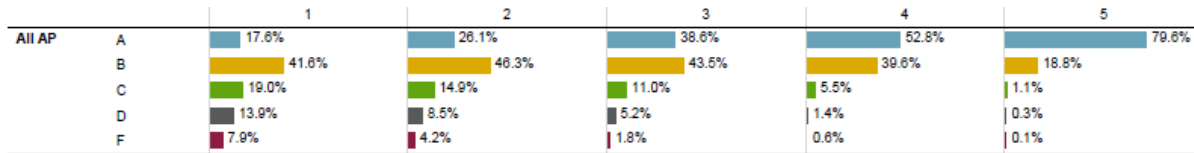
By Exam Category

Figure 7A (p. 17) shows the distribution of the grades in AP courses disaggregated by AP exam scores, and **Figure 7B** (p. 18) shows the distribution of AP exam scores by the grades in AP courses categorized by the seven AP subject areas. These figures show only AP exams that were taken by students who received a grade in the AP course.

Figures 7A and 7B indicate the following:

- Seventy-eight percent of all AP exams taken by students with a score of 1 have an associated course grade of C or higher, and 87 percent of all AP exams taken by students with a score of 2 have a course grade of C or higher (see Figure 7A).
- Forty-one percent of the students who earned an A in an AP course also earned an AP exam score of 1 or 2, 69 percent of the students who earned a B in an AP course also earned a 1 or 2 on the associated AP exam, and 83 percent of the students who earned an AP course grade of C also earned a 1 or 2 in the associated AP exam (see Figure 7B).
- Forty-four percent of students who failed their World Languages & Culture AP course also scored 3 or higher on the corresponding AP Exam (see Figure 7B).
- At least three-quarters of students who earned an A in Math and Computer Science (77 percent) and World Languages and Cultures (88 percent) scored a 3 or higher on the corresponding AP Exam.
- About half of students who earned an A in AP Sciences (49 percent), Arts (51 percent), English (52 percent), and History & Social Sciences (53 percent) courses scored 3 or higher on the corresponding AP Exam.

Figure 7A. Distribution of Course Grades by AP Scores, Percent of Students with Stated AP Score, 9th –12th grade, 2018

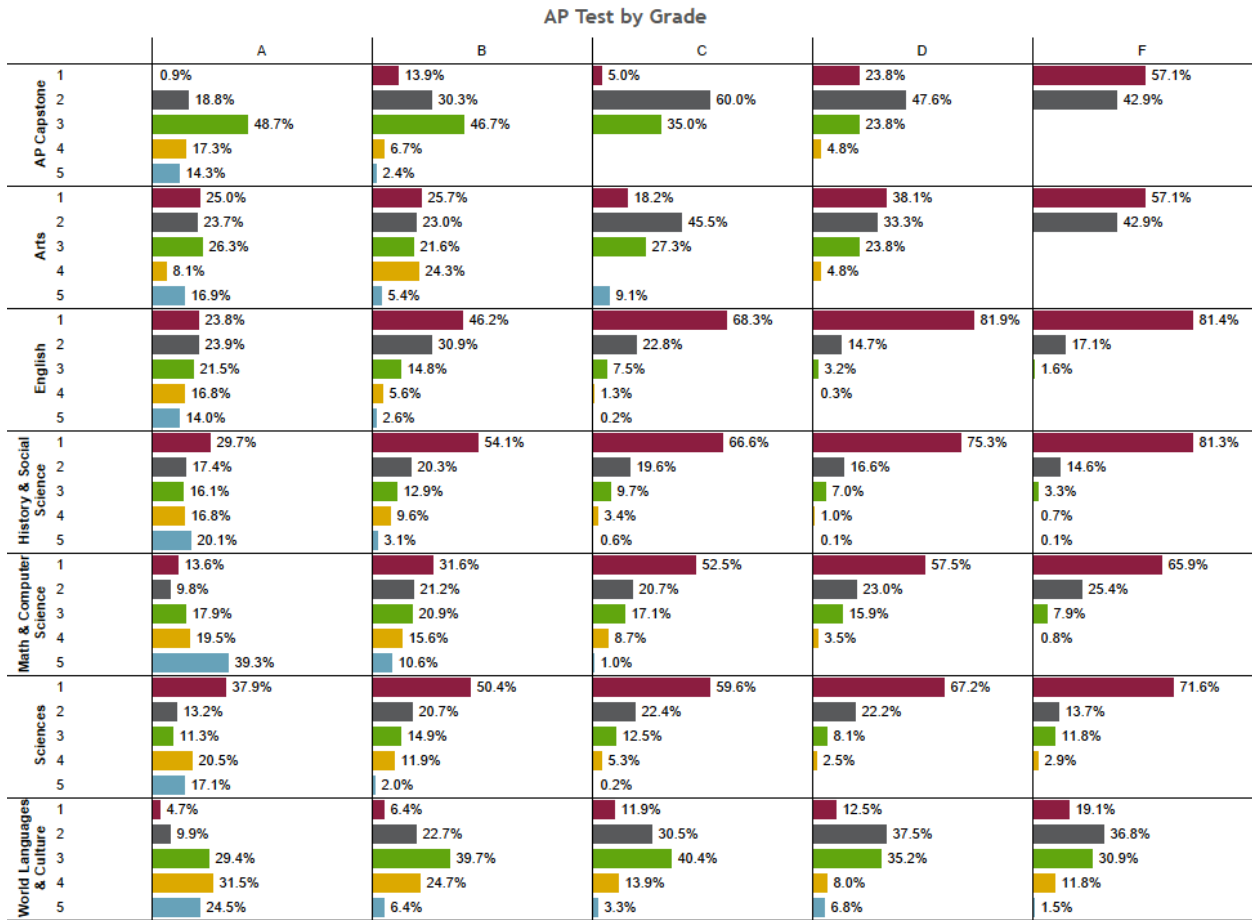


Sources: End of Year Chancery Grades data files, June 18, 2018; 2018 College Board AP data file; retrieved August 29, 2018

Notes: AP courses and AP Exams are linked--these graphs display AP Exams for which a corresponding AP course grade exists. Graph displays a duplicated count of AP courses/Exams taken by students enrolled in grades 9–12.

Figure 7B. Distribution of AP Scores by Course Grades, Percent of Students with Stated Course Grade, 9th –12th grade, 2018

		A	B	C	D	F
All AP	1	24.7%	45.7%	61.1%	69.7%	74.6%
	2	16.5%	22.9%	21.5%	19.2%	17.8%
	3	19.0%	16.7%	12.3%	9.0%	6.0%
	4	18.6%	10.9%	4.4%	1.8%	1.4%
	5	21.1%	3.9%	0.7%	0.3%	0.2%



Source: End of Year Chancery Grades data files, June 18, 2018; 2018 College Board AP data file; retrieved August 29, 2018

Notes: AP courses and AP Exams are linked--these graphs display AP Exams for which a corresponding AP course grade exists. Graph displays a duplicated count of AP courses/Exams taken by students enrolled in grades 9–12.

“Emerging Scholars” 8th and 9th Grade

Though AP courses and exams are usually taken by students in grades 10–12, increasingly, students in middle school and ninth grade are taking advantage of the opportunity to earn college credits early in their academic careers. The most common courses and exams taken by middle school students and ninth graders are Human Geography and Spanish language courses and exams. **Table 5** presents AP course and exam participation and performance for students in grades 8 and 9.

Table 5. AP Course and Exam Participation and Performance, 8th–9th grade, 2016–2017 and 2017–2018

	2016– 2017	2017– 2018	2016– 2017	2017– 2018	2016– 2017	2017– 2018
	Grade 8	Grade 8	Grade 9	Grade 9	Grades 8 & 9	Grades 8 & 9
AP Course Enrollment	510	527	2,460	2,231	2,970	2,758
AP Course Completion (N)	476	503	2,022	1,896	2,498	2,399
AP Course Completion (%)	93	95	82	85	84	87
AP Exams Taken (N)	464	498	1,918	1,698	2,382	2,196
AP Scores ≥ 3 (N)	409	417	520	516	929	933
AP Scores > 3 (%)	88	84	27	30	39	42

Source: End of Year Chancery Grades data files, June 6, 2017 and June 18, 2018; College Board AP data file, retrieved August 14, 2017 and August 29, 2018

Notes: Table displays a duplicated count of exams taken by students enrolled in grades 8 and 9 only. AP course completion is defined as enrolled in an AP course and earning a passing grade at the end of the course (70 or higher) for each semester that is required. The End of Year Chancery Grades data files were matched to the AP data file.

Table 5 indicates the following:

- In 2017–2018, 2,758 district eighth and ninth grade students enrolled in an AP Course, compared to 2,970 district eighth and ninth graders in 2016–2017. In 2017–2018, 2,399 (87 percent) of those students completed the course, compared to 2,498 (84 percent) in 2016–2017.
- In 2017–2018, 42 percent of eighth and ninth grade AP Exams were scored 3 or higher, reflecting an **increase** of three percentage points from 2016–2017.

Table 6 (p. 20) presents the type of AP Exams taken by 8th graders and students with an unknown grade level (N=23) enrolled at a middle school. AP Exam participation and performance for 8th graders by exam and campus are presented in **Appendix F** (p. 34) for the past two years.

Table 6. AP Exam Participation and Performance by Exam, 8th grade, 2018

AP Exam Category	# of AP Exams Taken	% of AP Exams Taken	# of AP Scores ≥ 3	% of AP Scores ≥ 3
Spanish Language & Culture	561	97%	464	83%
Chinese Language & Culture	15	3%	9	60%
Total	576	100%	473	82%

Source: 2018 College Board AP electronic data file retrieved August 29, 2018

Note: This table displays a duplicated count of exams taken by students enrolled in 8th grade and grade unknown (N=23).

Table 6 indicates the following:

- Out of 576 exams taken in 2018 by eighth grade students, 82 percent or 473 earned a score of 3, 4, or 5.
- Ninety-seven percent of the exams taken by eighth grade students for 2018 were the AP Spanish Language & Culture exam and 83 percent earned a score of 3, 4, or 5.
- Of the 15 Chinese Language & Culture exams taken by eighth grade students, 9 or 60 percent earned a score of 3, 4, or 5.

AP Scholar Awards

The AP Program offers several AP Scholar Awards to recognize high school students who have demonstrated college-level achievement through AP courses and exams. This achievement is acknowledged on any score report that is sent to colleges the following fall. Notifications about AP Scholar Awards are sent to students and schools in October of each year. The following AP Awards are offered by the College Board: AP Scholar, AP Scholar with Honor, AP Scholar with Distinction, State AP Scholar, National AP Scholar, AP International Diploma, AP Capstone Diploma, and AP Seminar and Research Certificate. The criteria for receiving these awards are shown in **Appendix G-1** (p. 35).

Appendix G-2 (p. 36) shows the number and category of AP Awards earned by campus in 2017 and 2018. Key findings include:

- The number of AP Scholar Awards earned by HISD students **increased** by 9.5 percent, or 198 Awards, to 2,281 in 2018 from 2,083 in 2017.
- Almost 70 percent of all AP Awards were earned by students at four campuses: Bellaire HS (23 percent), Carnegie Vanguard HS (21 percent), DeBakey HS (16 percent), and Westside HS (10 percent).

Conclusion

The purpose of this report was to examine the participation and performance of HISD students on Advanced Placement exams and courses. The investigation was also designed to supply a comparison of current year AP results with those from the previous year.

The results from this report indicate that the number of HISD middle and high school students earning a score of 3 or higher on an AP Exam is increasing, and, the proportion of students who earn a score of 3 or higher has **increased** from the previous year. Relatedly, the success rate on the exams students are most likely to take, History & Social Sciences and English, is lower than that of other exams. While the number of students from historically underrepresented groups (such as African Americans, Hispanics, and those who are economically disadvantaged) who take AP Exams is increasing, they typically are less likely to pass AP Exams compared to their White and Asian counterparts. Additionally, most AP Exams are taken by students from concentrated high schools in the district.

AP course participation has remained constant. Approximately 36 percent of students enrolled in grades 10–12 took at least one AP course—reflecting an **increase** of two percentage-points from last year. African American students experienced a two percentage-point decrease in AP course completion, while Hispanic and economically disadvantaged students remained the same compared to the previous year. An analysis of how AP course performance compares with AP Exam performance showed that only about 50 percent of students who earned an A in AP Sciences, Arts, English, and History and Social Sciences courses passed the corresponding AP Exam. Meanwhile, the 44 percent of students who failed an AP World Languages & Culture course were still likely to pass the corresponding AP Exam.

The number of AP Awards presented to HISD students increased again this year. Many more HISD students are being exposed to Advanced Placement courses and to the opportunity to earn college credits while still enrolled in high school.

Methods

Data Limitations

The College Board receives Advanced Placement (AP) data from the Educational Testing Service (ETS). It is important to understand that the extracts are made from a dynamic database that changes from one day to the next as scoring and adjustments to individual student records progresses in the months following the examination administration. Therefore, discrepancies may exist between the three sources of data that are used for AP Exam reporting purposes, namely the College Board Reports (hard copy), the AP Online Score Reports, and the College Board (electronic) data file based on the time of the data extract. AP data for prior years were copied from HISD's previous AP report (2015–2016, Superintendent memo dated January 13, 2017). AP data for the previous year were extracted on August 14, 2017. AP data for the current school year (2017–2018) were extracted from the College Board on August 29, 2018 in the form of electronic files.

To provide disaggregated student level demographic information, the College Board AP electronic databases were matched on economic status, special education status, gifted and talented status, immigrant status, and English Language Learner (ELL) status to the Chancery data file (date of extraction: May 5, 2018). Self-reported data were used for race/ethnicity, gender, grade level, and campus. Students who were identified as enrolled in AP courses were required to be active students as of the end-of-year (EOY) database and to have completed the course with a final semester grade or final grade in both the fall and spring semesters of a full-year course. The number of AP courses offered by campus included all AP courses in which at least one student was enrolled. Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). As such, it is possible for students at these campuses to take an IB course in one subject—instead of the AP course—and to also take the AP Exam in the same subject.

Participants

AP course enrollment data from Chancery and AP Exam data from the College Board were analyzed. State- and national-level data, including the number of AP subject tests taken along with the percentage of exams with scores 3 or higher, were extracted from the College Board AP Program Research “School Report of AP Exams 2010–11 through 2015–16 (By State).” For 2017 and 2018, state and national results were extracted from “District Summary with Comparable Groups,” on July 25, 2017 and September 29, 2018.

AP course participation rates for sophomores, juniors and seniors were calculated by dividing the number of students enrolling in at least one AP course by the Chancery EOY snapshot of enrollment for the same group. Participation rates for sophomores, juniors and seniors were calculated across the district, by campus, and by student group.

The number of students eligible to complete AP courses consists of those enrolled in both semesters of a two-semester course as per the Chancery EOY database and/or those enrolled in a one-semester course. Completion percentages are based on the number of students eligible to complete and the number completing an AP course.

Course completion was determined by counting those students who received a semester average grade of 70 or higher for the final grade. Once this number was computed, it was divided by the total number of students who were eligible to complete an AP course.

To determine the percentage of AP Exams scored 3 or higher by race/ethnicity, the total number of tests scoring a 3 or higher was divided by the total number of tests taken (for which a score was received) for each racial/ethnic category.

AP Exams were counted if they had received a score at the time of data retrieval. Any AP Exam without a corresponding score was excluded from analysis.

The District Scholar Summary Report downloaded from the College Board online score report tool on September 29, 2018 was used to report the total number of students who earned an AP Scholar Award.

The District Summary by Comparable Groups downloaded from the College Board online score report tool on September 29, 2018 was used to report district, state, and national mean scores by exam.

Data Collection and Analysis

The College Board reported test performance, along with demographic information supplied by the students to HISD. These data included results for all HISD schools that had participating students. These data, together with enrollment data from the Chancery database, were analyzed. Analyses were conducted using the aggregated data by grade, race/ethnicity, and gender. Results were also analyzed by campus and district-wide. The analysis used self-reported demographic data, with the exception of ELL, special education, immigrant, gifted and talented, and economic status, for which data were extracted from Chancery on May 7, 2018. Only exams that had received a score by the time the data was extracted on August 29, 2018, and only those campuses that had provided semester grades by June 18, 2018 were included in this analysis. Longitudinal data for Equity and Excellence was extracted from the College Board data files from 2016, 2017, and 2018 along with the respective Chancery data extracts from May 2, 2016, May 1, 2017, and May 7, 2018. Race/Ethnicity was self-reported whereas Chancery data were used for Economically Disadvantaged, ELL, Special Education, and Gifted and Talented status. Seniors in the respective Chancery data files were matched to the respective AP data file and the results were analyzed for students who met the criterion by scoring 3 or higher at any point during their high school tenure.

Appendix A

2018–19 Advanced Placement Exams by Category

Arts (5)
<ul style="list-style-type: none"> • Art History • Music Theory • Studio Art: 2-D Design • Studio Art: 3-D Design • Studio Art: Drawing
AP Capstone (2)
<ul style="list-style-type: none"> • Seminar • Research
English (2)
<ul style="list-style-type: none"> • English Language and Composition • English Literature and Composition
History & Social Science (9)
<ul style="list-style-type: none"> • Comparative Government and Politics • European History • Human Geography • Macroeconomics • Microeconomics • Psychology • United States Government and Politics • United States History • World History
Math & Computer Science (5)
<ul style="list-style-type: none"> • Calculus AB • Calculus BC • Computer Science A • Computer Science Principles • Statistics
Sciences (7)
<ul style="list-style-type: none"> • Biology • Chemistry • Environmental Science • Physics 1 • Physics 2 • Physics C: Electricity and Magnetism • Physics C: Mechanics
World Languages & Cultures (8)
<ul style="list-style-type: none"> • Chinese Language and Culture • French Language and Culture • German Language and Culture • Italian Language and Culture • Japanese Language and Culture • Latin • Spanish Language and Culture • Spanish Literature and Culture

Source: College Board, AP Central, Retrieved from <https://apstudent.collegeboard.org/apcourse>

Appendix B-1

AP Equity and Excellence by Campus, Grade 12, 2016 through 2018

Campus	2016				2017				2018			
	# Seniors Enrolled	Number Tested	Met Criterion	% Met	# Seniors Enrolled	Number Tested	Met Criterion	% Met	# Seniors Enrolled	Number Tested	Met Criterion	% Met
Austin HS	331	99	43	13.0	363	99	48	13.2	416	106	45	10.8
AVA	181	0			160	--	--	--	--	--	--	--
Bellaire HS	843	385	355	42.1	785	339	316	40.3	795	318	288	36.2
Carnegie HS	148	148	146	98.6	131	131	128	97.7	142	142	139	97.9
Challenge ECHS	109	75	58	53.2	106	85	70	66.0	116	79	66	56.9
Chavez HS	683	159	103	15.1	646	178	98	15.2	697	191	114	16.4
Comm. Serv.	3	0			5	0			7	1	*	*
DAEP EL	24	0			11	0			0	0		
DAEP SEC±	--	--	--	--	--	--	--	--	7	0		
DeBakey HS	183	183	177	96.7	164	164	163	99.4	181	178	174	96.1
East ECHS	99	26	16	16.2	104	38	23	22.1	105	46	24	22.9
Eastwood Acad	88	56	47	53.4	109	63	49	45.0	105	88	73	69.5
Energy Inst HS ±	--	--	--	--	141	99	45	31.9	143	92	53	37.1
E-STEM Central HS	7	7	*	*	9	4	*	*	20	20	2	10.0
E-STEM West HS	51	51	27	52.9	70	76	19	27.1	76	74	35	46.1
Furr HS	223	54	5	2.2	212	59	9	4.2	232	79	12	5.2
Heights HS	553	279	76	13.7	522	252	93	17.8	553	195	70	12.7
Hou Acad. Intl.	96	69	26	27.1	84	37	13	15.5	112	54	10	8.9
Houston MSTC HS	536	144	59	11.0	596	113	49	8.2	608	192	59	9.7
HS for Law & Justice	132	126	28	21.2	84	83	40	47.6	69	61	14	20.3
HS Perf. Vis. Arts	154	111	95	61.7	166	120	115	69.3	189	122	112	59.3
Jones HS	18	14	2	11.1	11	5	*	*	90	18	10	11.1
Jordan HS	178	80	18	10.1	162	41	2	1.2	142	42	4	2.8
Kashmere HS	105	10	0	0.0	95	18	0	0.0	111	19	1	0.9
Lamar HS	666	161	45	6.8	712	230	59	8.3	811	156	40	4.9
Leland YMCPA	11	11	2	18.2	11	11	3	27.3	31	31	17	54.8
Liberty HS	396	5	*	*	344	7	*	*	333	10	1	0.3
Long Acad	57	3	*	*	49	7	*	*	39	11	5	12.8
Madison HS	394	107	24	6.1	352	95	23	6.5	327	86	24	7.3
Mid Coll - Fraga	26	0			35	0			38	1	*	*
Mid Coll - Gulfton	30	0			48	0			27	0		
Milby HS	376	80	41	10.9	410	100	48	11.7	255	45	15	5.9
Mount Carmel Acad.	87	29	12	13.8	80	36	9	11.3	79	39	12	15.2
N. Houston ECHS	90	67	39	43.3	106	89	60	56.6	109	83	61	56.0
North Forest HS	222	23	0	0.0	183	23	0	0.0	213	36	0	0.0
Northside HS	358	142	51	14.2	352	140	46	13.1	335	127	43	12.8
Scarborough HS	129	30	6	4.7	128	36	10	7.8	179	34	14	7.8
Sharpstown HS	298	104	56	18.8	281	60	43	15.3	423	138	92	21.7
Sharpstown Intl	133	75	47	35.3	128	69	44	34.4	120	55	39	32.5
South ECHS	18	0			16	1	*	*	46	30	8	17.4
Sterling HS	182	62	5	2.7	193	72	7	3.6	236	42	2	0.8
Tx Conn. Acad.	411	21	13	3.2	500	31	22	4.4	532	54	34	6.4
V Prep North ±	--	--	--	--	25	--	--	--	--	--	--	--
V Prep South ±	--	--	--	--	54	0			67	0		
Waltrip HS	388	157	40	10.3	347	140	47	13.5	358	153	38	10.6
Washington HS	134	37	12	9.0	159	55	6	3.8	140	31	4	2.9
Westbury HS	430	160	51	11.9	440	133	57	13.0	508	154	58	11.4
Westside HS	648	236	160	24.7	679	257	170	25.0	655	242	179	27.3
Wheatley HS	142	17	0	0.0	148	21	1	0.7	188	52	2	1.1
Wisdom HS	290	79	24	8.3	280	70	10	3.6	362	140	22	6.1
Worthing HS	146	16	0	0.0	136	30	1	0.7	181	26	2	1.1
Yates HS	213	47	5	2.3	184	58	2	1.1	160	46	2	1.3
YWCPA	32	32	11	34.4	31	30	7	22.6	43	43	14	32.6
Total Grade 12	11,052	3,777	1,929	17.5	11,147	3,805	1,963	17.6	11,711	3,982	2,034	17.4

Sources: 2016, 2017, and 2018 College Board AP electronic data file, retrieved August 29, 2018; Chancery May 7, 2018; Chancery May 1, 2017; Chancery May 2, 2016

Note: Seniors with Chancery data and AP data were included in this analysis. This report may differ from previous reports. Scores are not reported for less than 10 students.

–Data not available

± Schools were not part of the district

Appendix B–2

Number of HISD Students Tested and Mean AP Scores by Subject by District, Texas, and Global, 2018

Subject	2018 Mean Scores			
	N	HISD	Texas	Global
Research	207	3.03	3.05	3.17
Seminar	349	2.85	3.12	3.14
Art History	106	2.25	2.97	3.04
Music Theory	79	3.24	3.12	3.17
Studio Art: 2-D Drawing Portfolio	155	2.67	3.32	3.47
Studio Art: 3-D Drawing Portfolio	26	2.04	2.83	3.11
Studio Art: Drawing Portfolio	55	2.13	3.46	3.64
Eng Language & Composition	2,963	2.06	2.51	2.83
Eng Literature & Composition	2,047	1.87	2.35	2.56
Comparative Government & Politics	125	1.60	2.39	3.12
European History	86	3.33	2.96	2.89
Human Geography	1,933	1.91	2.42	2.72
Macroeconomics	1,498	1.98	2.36	2.96
Microeconomics	224	1.87	2.31	3.21
Psychology	798	2.54	2.80	3.14
US Government & Politics	1,791	1.89	2.32	2.70
US History	2,567	2.11	2.38	2.66
World History	3,774	1.95	2.49	2.78
Calculus AB	953	2.29	2.54	2.93
Calculus BC	366	3.74	3.56	3.74
Comp Sci A	222	2.86	3.05	3.18
Comp Sci Principles	400	2.53	3.12	3.06
Statistics	783	2.54	2.72	2.87
Biology	887	2.56	2.57	2.87
Chemistry	465	2.02	2.46	2.79
Environmental Science	991	2.13	2.46	2.63
Physics 1	1,212	1.43	1.85	2.37
Physics 2	65	2.94	2.64	2.97
Physics C: Electricity & Magnetism	99	2.86	3.28	3.61
Physics C: Mechanics	172	3.47	3.36	3.55
Chinese Language & Culture	72	3.24	4.26	4.29
French Language & Culture	62	3.11	2.94	3.31
German Language & Culture	22	3.82	2.97	3.30
Italian Language & Culture	34	3.91	4.00	3.13
Japanese Language & Culture	13	3.85	2.89	3.69
Latin	7	2.86	2.84	3.04
Spanish Language & Culture	2,170	3.36	3.52	3.67
Spanish Literature & Culture	451	2.66	2.83	3.06
Total Exams	28,229	2.23	2.57	2.89

Sources: College Board, District Summary with Comparable Groups. Retrieved from the College Board online score report tool, August 29, 2018

Note: When district scores ≥ 3 , they are in bold; When district scores $>$ global scores, they are in green; Lowest score is in red. Total Exams for the district differ from previously reported tables in this report based on the data source.

Appendix C-1

AP Exam Participation and Performance by Campus, 9th–12th grade, 2017 and 2018

Ranked by number of exams taken in 2018

Campus	# Students Tested	# Exams Taken	# Exams Scoring ≥3	% Exams Scoring ≥3	# Students Tested	# Exams Taken	# Exams Scoring ≥3	% Exams Scoring ≥3
Bellaire HS	947	2,727	2,136	78	973	2,702	2,107	78
Carnegie HS	620	2,034	1,444	71	607	1,985	1,444	73
Westside HS	1,159	1,943	881	45	1,047	1,951	974	50
DeBakey HS	510	1,381	1,249	90	503	1,394	1,259	90
Lamar HS	1,905	2,033	263	13	1,327	1,368	247	18
Chavez HS	772	1,520	308	20	749	1,292	254	20
Heights HS	802	1,562	266	17	781	1,259	244	19
Northside HS	430	939	102	11	486	1,012	120	12
Westbury HS	518	892	154	17	549	946	179	19
Energy Inst HS	329	784	163	21	328	820	227	28
Eastwood Acad	330	796	246	31	378	816	193	24
Houston MSTC HS	426	683	124	18	536	813	124	15
HS Perf. Vis. Arts	307	787	637	81	326	810	671	83
Challenge ECHS	444	770	206	27	417	722	250	35
Waltrip HS	312	530	117	22	399	698	124	18
Wisdom HS	242	447	24	5	311	620	34	5
E-STEM West HS	305	793	17	2	248	611	9	1
Sharpstown Intl	276	513	185	36	298	583	282	48
N. Houston ECHS	371	710	114	16	286	549	173	32
Leland YMCPA	95	243	43	18	184	533	54	10
HS for Law & Justice	223	449	33	7	292	528	36	7
Austin HS	314	430	81	19	338	509	82	16
Madison HS	233	427	30	7	279	487	47	10
Sharpstown HS	292	403	178	44	307	423	142	34
Hou Acad. Intl.	407	532	80	15	325	362	63	17
Tx Conn. Acad.	122	241	121	50	211	359	163	45
YWCPA	138	376	42	11	150	357	86	24
Milby HS	233	396	53	13	253	355	68	19
East ECHS	186	233	50	21	270	331	102	31
South ECHS	140	175	26	15	240	317	24	8
E-STEM Central HS	124	192	0	0	147	297	4	1
Yates HS	137	246	0	0	130	266	5	2
Furr HS	182	223	26	12	159	222	24	11
Sterling HS	259	391	26	7	159	209	18	9
Mount Carmel Acad.	99	195	20	10	104	206	37	18
Washington HS	174	321	5	2	116	183	6	3
Wheatley HS	85	103	0	0	122	168	2	1
Kashmere HS	54	109	1	1	65	134	0	0
North Forest HS	72	111	0	0	87	125	0	0
Scarborough HS	128	177	28	16	79	106	12	11
Worthing HS	104	157	6	4	63	79	9	11
Jordan HS	98	132	6	5	42	70	1	1
Jones HS	99	111	16	14	25	28	16	57
Long Acad	7	7	3	43	14	14	7	50
Mid Coll - Fraga	--	--	--	--	10	12	8	67
Liberty HS	7	7	3	43	10	11	1	9
Comm. Serv.	0				1	4	*	*
DAEP EL	1	5	*	*	1	1	*	*
V Prep South	--	--	--	--	--	--	--	--
V Prep North	--	--	--	--	--	--	--	--
DAEP SEC	--	--	--	--	--	--	--	--
Mid Coll - Gulfon	--	--	--	--	--	--	--	--
AVA	--	--	--	--	--	--	--	--
HISD Totals	15,018	28,236	9,513	34	14,732	27,647	9,932	36

Sources: 2018 College Board AP Electronic data file, retrieved August 29, 2018;

HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results*

Notes: Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate Program in addition to Advanced Placement. This table displays an unduplicated count of students tested and a duplicated count of exams taken by students enrolled in grades 9–12 and by students with grade level not indicated (N=755).

*Masked number tested < 5

-- No data available

Appendix C-2

AP Exam Participation and Performance by Campus and 2018 Board Member District, 9th-12th grade, 2017 and 2018

Board Member District	Campus	2017				2018			
		# Students Tested	# Exams Taken	# AP Scores ≥ 3	% AP Scores ≥ 3	# Students Tested	# Exams Taken	# AP Scores ≥ 3	% AP Scores ≥ 3
District I	Heights HS	802	1562	266	17	781	1259	244	19
District I	Houston MSTC HS	426	683	124	18	536	813	124	15
District I	N. Houston ECHS	371	710	114	16	286	549	173	32
District I	Northside HS	430	939	102	11	486	1012	120	12
District I	Scarborough HS	128	177	28	16	79	106	12	11
District I	Waltrip HS	312	530	117	22	399	698	124	18
District II	Kashmere HS	54	109	1	1	65	134	0	0
District II	Leland YMCPA	95	243	43	18	184	533	54	10
District II	North Forest HS	72	111	0	0	87	125	0	0
District II	Washington HS	174	321	5	2	116	183	6	3
District II	Wheatley HS	85	103	0	0	122	168	2	1
District III	Chavez HS	772	1,520	308	20	749	1,292	254	20
District III	Milby HS	233	396	53	13	253	355	68	19
District III	Mount Carmel Acad.	99	195	20	10	104	206	37	18
District IV	E-STEM Central HS	124	192	0	0	147	297	4	1
District IV	E-STEM West HS	305	793	17	2	248	611	9	1
District IV	Hou Acad. Intl.	407	532	80	15	325	362	63	17
District IV	Jones HS	99	111	16	14	25	28	16	57
District IV	Sterling HS	259	391	26	7	159	209	18	9
District IV	Yates HS	137	246	0	0	130	266	5	2
District IV	YWCPA	138	376	42	11	150	357	86	24
District V	Bellaire HS	947	2,727	2,136	78	973	2,702	2,107	78
District V	Challenge ECHS	444	770	206	27	417	722	250	35
District V	DeBakey HS	510	1,381	1,249	90	503	1,394	1,259	90
District V	HS Perf. Vis. Arts	307	787	637	81	326	810	671	83
District V	Long Acad	7	7	3	43	14	14	7	50
District VI	Sharpstown HS	292	403	178	44	307	423	142	34
District VI	Sharpstown Intl	276	513	185	36	298	583	282	48
District VI	Westside HS	1159	1943	881	45	1047	1951	974	50
District VII	Lamar HS	1,905	2,033	263	13	1,327	1,368	247	18
District VII	Liberty HS	7	7	3	43	10	11	1	9
District VII	Mid Coll - Gulfon	--	--	--	--	--	--	--	--
District VII	Wisdom HS	242	447	24	5	311	620	34	5
District VIII	Austin HS	314	430	81	19	338	509	82	16
District VIII	Carnegie HS	620	2034	1444	71	607	1985	1444	73
District VIII	East ECHS	186	233	50	21	270	331	102	31
District VIII	Eastwood Acad	330	796	246	31	378	816	193	24
District VIII	Energy Inst HS	329	784	163	21	328	820	227	28
District VIII	Furr HS	182	223	26	12	159	222	24	11
District VIII	HS for Law & Justice	223	449	33	7	292	528	36	7
District VIII	Mid Coll - Fraga	--	--	--	--	10	12	8	67
District VIII	Tx Conn. Acad.	122	241	121	50	211	359	163	45
District IX	Madison HS	233	427	30	279	487	47	10	
District IX	South ECHS	140	175	26	15	240	317	24	8
District IX	Westbury HS	518	892	154	549	946	179	19	
District IX	Worthing HS	104	157	6	4	63	79	9	11
	AVA	--	--	--	--	--	--	--	--
	Comm. Serv.	--	--	--	--	1	4	*	*
	DAEP EL	1	5	*	*	1	1	*	*
	DAEP SEC	--	--	--	--	--	--	--	--
	Jordan HS	98	132	6	42	70	1	1	
	V Prep North	--	--	--	--	--	--	--	--
	V Prep South	--	--	--	--	--	--	--	--
HISD Totals		15,018	28,236	9,513	34	14,732	27,647	9,932	36

Sources: 2018 College Board AP Electronic data file, retrieved August 29, 2018.

HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results*

Notes. Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate Program in addition to Advanced Placement. This table displays an unduplicated count of students tested and a duplicated count of exams taken by students enrolled in grades 9-12 and by students with grade level not indicated (N=755).

*Masked number tested < 5

-- denotes no data available

Appendix E

AP Course and Exam Performance by Campus, 9th - 12th grade, 2017–2018

School Name	AP Course			Take both AP Course & Exam			
	# Take	# Pass	% Pass	# Take	% Take	# AP Exam Scores 3-5	% AP Exam Scores 3-5
East EC HS	259	235	91	256	99	47	18
Eastwood Acad HS	818	806	99	759	93	157	21
Chavez HS	826	731	88	750	91	108	14
H AIS HS	380	358	94	344	91	54	16
DeBakey HS	1,412	1,372	97	1,262	89	1,138	90
Mount Carmel Acad HS	189	188	99	167	88	17	10
Carnegie HS	2,091	1,995	95	1,845	88	1,344	73
HSPVA	792	789	100	698	88	572	82
South EC HS	297	216	73	261	88	10	4
Long Acad	16	15	94	14	88	7	50
Lamar HS	1,510	1,199	79	1,314	87	229	17
Kashmere HS	138	137	99	120	87	0	0
Sharpstown Intl	591	551	93	512	87	250	49
YWCPA	340	332	98	292	86	53	18
Milby HS	333	311	93	281	84	23	8
Energy Inst HS	868	842	97	728	84	194	27
Leland YMCPA	570	512	90	475	83	43	9
Westside HS	2,033	1,960	96	1,677	82	813	48
Challenge EC HS	697	646	93	573	82	177	31
Waltrip HS	766	703	92	624	81	113	18
Bellaire HS	2,365	2,300	97	1,901	80	1,470	77
Wisdom HS	681	659	97	544	80	25	5
LECJ HS	558	533	96	440	79	29	7
Westbury HS	1,058	940	89	833	79	168	20
Austin HS	527	500	95	413	78	68	16
Madison HS	542	490	90	409	75	46	11
North Houston EC HS	488	413	85	368	75	130	35
Furr HS	261	214	82	194	74	7	4
Heights HS	1,315	1,248	95	977	74	173	18
Northside HS	1,127	1,021	91	834	74	65	8
Yates HS	329	316	96	243	74	4	2
Liberty HS	11	9	82	8	73	1	13
Houston MSTC HS	928	848	91	650	70	88	14
Sharpstown HS	513	438	85	359	70	131	36
Jordan HS	104	104	100	70	67	1	1
E-STEM Central HS	409	406	99	226	55	1	0
E-STEM West HS	821	816	99	436	53	1	0
Wheatley HS	227	208	92	118	52	0	0
Washington HS	288	263	91	136	47	3	2
Scarborough HS	164	141	86	70	43	7	10
North Forest HS	248	240	97	102	41	0	0
Worthing HS	159	144	91	62	39	7	11
Sterling HS	623	529	85	188	30	13	7
Jones HS	84	84	100	17	20	6	35
HISD	28,756	26,762	93	22,550	78	7,793	35

Sources: End of Year Chancery Grades data files, June 18, 2018; AP Exam Score Source: 2018 College Board AP data file; retrieved August 29, 2018

Notes: AP courses and exams are linked--these graphs display a duplicated count of AP Exams taken by students enrolled in grades 9-12 for which a corresponding AP course grade exists. *Masked # students < 5. Bellaire, Chavez, Heights, and Lamar High Schools offer the International Baccalaureate (IB) Program in addition to Advanced Placement (AP). - - denotes no data available

Appendix F

AP Exam Participation and Performance by Exam and Campus, 8th grade, 2017 and 2018

	Chinese Language & Culture						Spanish Language & Culture						Total					
	2017			2018			2017			2018			2017			2018		
	# Exams	# 3+	% 3+	# Exams	# 3+	% 3+	# Exams	# 3+	% 3+	# Exams	# 3+	% 3+	# Exams	# 3+	% 3+	# Exams	# 3+	% 3+
Burbank MS							136	113	83	128	103	80	136	113	83	128	103	80
Chrysalis MS										25	19	76	0	0		25	19	76
Clifton MS							14	14	100	12	10	83	14	14	100	12	10	83
Hamilton MS							52	35	67	52	41	79	52	35	67	52	41	79
Hartman MS							7	6	86	15	15	100	7	6	86	15	15	100
Henry MS							13	7	54	11	8	73	13	7	54	11	8	73
Hogg MS							28	24	86	25	18	72	28	24	86	25	18	72
Lanier MS				13	7	54	23	23	100	28	28	100	23	23	100	41	35	85
Long Academy							31	30	97	47	39	83	31	30	97	47	39	83
Meyerland MS							69	68	99	53	43	81	69	68	99	53	43	81
Ortiz MS							32	15	47	0			32	15	47	0		
Pershing MS							23	22	96	18	18	100	23	22	96	18	18	100
Pin Oak MS				1	*	*	29	27	93	16	16		29	27	93	17	17	100
Revere MS							3	*	*	9	7	78	3	*	*	9	7	78
Rusk School							25	23	92	20	14	70	25	23	92	20	14	70
Sharpstown Intl.				1	*	*										1	*	*
Stevenson MS										42	34	81				42	34	81
Tanglewood MS							17	10	59	12	8	67	17	10	59	12	8	67
Westbriar MS							22	21	95	19	19	100	22	21	95	19	19	100
Wharton Dual Lang.							18	17	94	20	16	80	18	17	94	20	16	80
YWCPA										9	8	89				9	8	89
HISD Totals				15	9	60	542	458	85	561	464	83	542	458	85	576	473	82

Sources: 2018 College Board AP data file; retrieved August 29, 2018; HISD Research and Accountability Department, *2017 Advanced Placement (AP) Results*

Notes: Table displays a duplicated count of exams taken by students enrolled in 8th grade and grade unknown (N=23) for middle schools.

*Masked # tested < 5

Appendix G-1

Advanced Placement Award Levels Available to HISD Students

Award	Criteria
AP Scholar	Granted to students who receive scores of 3 or higher on three or more AP Exams.
AP Scholar with Honor	Granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more of these exams.
AP Scholar with Distinction	Granted to students who receive an average score of at least 3.5 on all AP Exams taken, <u>and</u> scores of 3 or higher on five or more of these exams.
State AP Scholar *	Granted to the one male and one female student in each U.S. state and the District of Columbia with scores of 3 or higher on the greatest number of AP Exams, and then the highest average score (at least 3.5) on all AP Exams taken.
National AP Scholar	Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, <u>and</u> scores of 4 or higher on eight or more of these exams.
AP International Diploma	Granted to students who receive a 3 or higher on five or more exams. Exams taken multiple times only count once. The highest score will be used for award calculation. Students attending a school within the U.S. must indicate on their AP exam answer sheet that their scores will be sent to a university outside the U.S. Exams must fulfill the following content areas: 1). Two AP exams from two world languages and culture courses. The language must be different in each course; or 2). Two AP exams from one world language and culture course and one English course.
AP Seminar and Research Certificate	Granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.
AP Capstone Diploma	Granted to students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of their choosing.

Source: College Board. AP Scholar Awards. Retrieved from <http://professionals.collegeboard.com/k-12/awards/ap-scholar>;
 AP International Diploma, College Board. AP Awards. Retrieved from
http://apcentral.collegeboard.com/apc/public/score_reports_data/awards/232781.html

Note: * State AP Scholar Awards were not available at the time of publication

Appendix G-2

AP Scholar Awards Earned by Campus, 2017 and 2018

School	All Awards		Scholar		Honor		Distinction		National		AP International Diploma		AP Capstone Diploma		AP Seminar and Research Certificate		School % of Total		Change Total
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	
	Austin HS	4	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Bellaire HS	512	515	161	127	70	68	208	230	72	88	1	2	0	0	0	0	25	23	3
Carnegie HS	466	482	175	161	64	71	114	126	36	47	2	1	68	68	7	8	22	21	16
Challenge ECHS	66	69	47	49	11	9	8	10	0	1	0	0	0	0	0	0	3	3	3
Chavez HS	53	52	35	43	10	3	3	3	1	2	0	0	2	1	2	0	3	2	-1
DeBakey HS	306	369	63	97	55	54	120	142	49	51	0	1	16	19	3	5	15	16	63
East ECHS	7	12	6	9	1	2	0	1	0	0	0	0	0	0	0	0	0	1	5
Eastwood Acad	51	56	39	50	4	6	7	0	1	0	0	0	0	0	0	0	2	2	5
Energy Inst HS	37	51	28	28	1	11	5	6	1	0	1	0	1	1	0	5	2	2	14
Heights HS	30	37	23	32	3	3	3	2	1	0	0	0	0	0	0	0	1	2	7
Hou Acad. Intl.	3	6	3	3	0	2	0	1	0	0	0	0	0	0	0	0	0	0	3
Houston MSTC HS	6	6	5	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
HS for Law & Justice	8	3	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5
HS Perf. Vis. Arts	159	160	50	54	23	31	69	54	17	20	0	1	0	0	0	0	8	7	1
Jordan HS	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lamar HS	34	24	29	13	4	9	1	2	0	0	0	0	0	0	0	0	2	1	-10
Leland YMCPA	10	13	8	12	1	0	1	1	0	0	0	0	0	0	0	0	0	1	3
Madison HS	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Milby HS	3	2	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-1
Middle College-Fraga	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Mount Carmel Acad.	3	3	2	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
N. Houston ECHS	23	36	18	32	4	2	1	2	0	0	0	0	0	0	0	0	1	2	13
Northside HS	8	11	8	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Scarborough HS	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2
Sharpstown HS	8	7	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1
Sharpstown Intl	36	53	30	31	4	10	2	11	0	1	0	0	0	0	0	0	2	2	17
South ECHS	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Sterling HS	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tx Conn. Acad.	26	33	15	23	4	3	6	7	1	0	0	0	0	0	0	0	1	1	7
Waltrip HS	24	20	18	16	2	0	4	4	0	0	0	0	0	0	0	0	1	1	-4
Washington HS	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	-1
Westbury HS	16	15	13	12	2	1	1	1	0	0	0	0	0	1	0	0	1	1	-1
Westside HS	175	218	97	107	26	37	44	58	8	11	0	1	0	2	0	2	8	10	43
Wisdom HS	2	5	2	2	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3
Yates HS	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
YWCPA	4	15	4	9	0	0	0	0	0	0	0	0	2	0	4	0	1	1	11
HISD Totals	2,083	2,281	902	946	292	326	599	663	187	221	4	7	87	94	12	24			198

Sources: Online College-Board Report, *District Scholar Summary Report*, Downloaded October 6, 2017 and August 29, 2018

Note: State AP Scholar Awards were not available at the time of publication. Qualifying AP Exams are a cumulative count - not an annual count. Only campuses with at least one award are shown.