

**Technical Report #1005**

**Technical Adequacy of the easyCBM Reading Measures (Grades 3-7),  
2009-2010 Version**

Leilani Sáez

Bitnara Park

Joseph F.T. Nese

Elisa Jamgochian

Cheng-Fei Lai

Daniel Anderson

Akihito Kamata

Julie Alonzo

Gerald Tindal

University of Oregon



behavioral research & teaching

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## **Abstract**

In this series of studies, we investigated the technical adequacy of three curriculum-based measures used as benchmarks and for monitoring progress in three critical reading-related skills: fluency, reading comprehension, and vocabulary. In particular, we examined the following easyCBM measurement across grades 3-7 at fall, winter, and spring time-points: internal consistency of the reading comprehension measure, construct and criterion-related validity, and practical utility for classifying student level performance. Data were analyzed both as an aggregated grade-level sample (approximately 3700 students per grade) and within ethnic background, achievement quartile, special education eligibility, and English Language Learner (ELL) status subgroups.

Progress monitoring assessments are a key component of many school improvement efforts, including the Response to Intervention (RTI) approach to meeting students' academic needs. In an RTI approach, teachers first administer a screening or benchmarking assessment to identify students who need supplemental interventions to meet grade-level expectations, then use a series of progress monitoring measures to evaluate the effectiveness of the interventions they are using with the students. When students fail to show expected levels of progress (as indicated by "flat line scores" or little improvement on repeated measures over time), teachers use this information to help them make instructional modifications with the goal of finding an intervention or combination of instructional approaches that will enable each student to make adequate progress toward achieving grade level proficiency and content standards. In such a system, it is critical to have reliable measures that assess the target construct and are sensitive enough to detect improvement in skill over short periods of time.

### **Conceptual Framework: Curriculum-Based Measurement and Progress Monitoring**

Curriculum-based measurement (CBM), long a bastion of special education, is gaining support among general education teachers seeking a way to monitor the progress their students are making toward achieving grade-level proficiency in key skill and content areas. While reading in particular has received a great deal of attention in the CBM literature, a growing body of work is beginning to appear in the area of mathematics CBM.

By definition, CBM is a formative assessment approach. By sampling skills related to the curricular content covered in a given year of instruction yet not specifically associated with a particular textbook, CBMs provide teachers with a snapshot of their students' current level of proficiency in a particular content area as well as a mechanism for tracking the progress students

make in gaining desired academic skills throughout the year. Historically, CBMs have been very brief individually administered measures (Deno, 2003; Good, Gruba, & Kaminski, 2002), yet they are not limited to the “one minute timed probes” that many people associate them with.

In one of the early definitions of curriculum-based measurement (CBM), Deno (1987) stated that “the term curriculum-based assessment, generally refers to any approach that uses direct observation and recording of a student’s performance in the local school curriculum as a basis for gathering information to make instructional decisions...The term curriculum-based measurement refers to a specific set of procedures created through a research and development program ... and grew out of the *Data-Based Program Modification* system developed by Deno and Mirkin (1977)” (p. 41). He noted that CBM is distinct from many teacher-made classroom assessments in two important respects: (a) the procedures reflect technically adequate measures (“they possess reliability and validity to a degree that equals or exceeds that of most achievement tests” (p. 41), and (b) “growth is described by an increasing score on a standard, or constant task. The most common application of CBM requires that a student’s performance in each curriculum area be measured on a single global task repeatedly across time” (p. 41).

In the three decades since Deno and his colleagues introduced CBM, *progress monitoring probes*, as they have come to be called, have increased in popularity, and they are now a regular part of many schools’ educational programs (Alonzo, Tindal, & Ketterlin-Geller, & 2006). However, CBMs – even those widely used across the United States – often lack the psychometric properties expected of modern technically-adequate assessments. Although the precision of instrument development has advanced tremendously in the past 30 years with the advent of more sophisticated statistical techniques for analyzing tests on an item by item basis rather than relying

exclusively on comparisons of means and standard deviations to evaluate comparability of alternate forms, the world of CBMs has not always kept pace with these statistical advances.

A key feature of assessments designed for progress monitoring is that alternate forms must be as equivalent as possible to allow meaningful interpretation of student performance data across time. Without such cross-form equivalence, changes in scores from one testing session to the next are difficult to attribute to changes in student skill or knowledge. Improvements in student scores may, in fact, be an artifact of the second form of the assessment being easier than the form that was administered first. The advent of more sophisticated data analysis techniques (such as the Rasch modeling used in the development of the easyCBM progress monitoring and benchmarking assessments) have made it possible to increase the precision with which we develop and evaluate the quality of assessment tools.

In this technical report, we provide the results of a series of studies to evaluate the technical adequacy of the easyCBM progress monitoring assessments in reading, designed for use with students in Grades 3 - 7. This assessment system was developed to be used by educators interested in monitoring the progress their students make in the area of acquiring skills in the constructs of oral reading fluency and comprehension. Additional technical reports report the results of similar studies of the easyCBM assessments in mathematics (Anderson et al, 2010; Nese et al., 2010) and in reading with a focus on earlier grades (Jamgochian, et al., 2010; Lai et al., 2010).

### **The easyCBM™ Progress Monitoring Assessments**

The online easyCBM™ progress monitoring assessment system, launched in September 2006 as part of a Model Demonstration Center on Progress Monitoring, was funded by the Office

of Special Education Programs (OSEP). At the time this technical report was published, there were 92,925 teachers with easyCBM accounts, representing schools and districts spread across every state in the country. During the 2008-2009 school year, the system had an average of 305 new accounts registered each week, and the popularity of the system continues to grow. In the month of October 2010, alone, 11,885 new teachers registered for accounts. The online assessment system provides both universal screener assessments for fall, winter, and spring administration and multiple alternate forms of a variety of progress monitoring measures designed for use in K-8 school settings.

As part of state funding for Response to Intervention (RTI), states need technically adequate measures for monitoring progress. Given the increasing popularity of the easyCBM online assessment system, it is imperative that a thorough analysis of the measures' technical adequacy be conducted and the results shared with research and practitioner communities. This technical report addresses that need directly, providing the results of a series of studies examining the technical adequacy of the 2009 / 2010 version of the easyCBM assessments in reading.

## Methods

In this section, we describe the setting and participants, measures, research procedures, and data analyses.

### Setting and Participants

During the 2009-2010 school year, 18,755 students in grades 3-7 participated in this study, with roughly 3700 students represented at each grade level ( $n$  range per grade = 3690-3886). Students were recruited from three school districts ( $n$  = 61 elementary, 36 middle, and 10 elementary-middle combined schools) reflecting metropolitan and suburban locations within a Pacific north-western state. All general education students in attendance on the days of testing were included in the sample.

Nearly half of the students were female (range = 47.4% in fourth grade to 49.8% in seventh grade). Across grades, the majority of students were White (61.9%- 65.3%). On average, Hispanics represented 22% of the sample at each grade except for sixth grade (6.7%). In addition, Asian/Pacific Islanders comprised approximately 5% of the sample at each grade (range = 4.7%- 5.7%). American Indian/Alaskan Native, Black, and Multi-Ethnic subgroups each represented less than 5% of the sample at each grade. Students eligible to receive special education (SPED) services represented approximately 17% of each grade level sample, except for seventh grade (27.3%). The number of students identified as English Language Learner (ELL) varied more among the grades, but on average, represented 7% of the sample (i.e., 10.0% in third grade, 8.1% in fourth grade, 7.3% in fifth grade, 6.2% in sixth grade, and 5.1% in seventh grade). See “Student Characteristics” tables in the Results section for specific student demographic information pertaining to particular data analyses conducted.



## Measures

The analyses in the current study include measures from the easyCBM battery of reading assessments: Word Reading Fluency (WRF; third grade only), Passage Reading Fluency (PRF), Multiple Choice Reading Comprehension (MCRC), and Vocabulary (VOC). EasyCBM, originally developed in 2006, currently has more than 60,000 users across 50 states. The fluency measures are administered via paper- pencil, and the comprehension and vocabulary measures are administered online. EasyCBM is administered at three time points during the school year to identify student at risk for academic difficulties (except for Vocabulary, which is only administered twice): fall, winter, and spring. In this report we examine relationships among these measures both collectively and individually with the Oregon state assessment in reading, the Oregon Assessment of Knowledge and Skills (OAKS), which is also an online assessment.

**Word Reading Fluency (WRF; third grade only).** Students read as many decodable and sight-words as possible aloud, moving left to right and then down the rows on a sheet of paper within 30- seconds. Errors and skipped words are counted as incorrect while self-corrections and words read correctly are counted as correct. Students receive one point for every word read correctly (maximum total possible = 60 words).

**Passage Reading Fluency (PRF).** Students read aloud a short, original narrative passage on a single side of a sheet of paper within 60-seconds. Examiners follow along on their own test protocol, marking as errors any words skipped or read incorrectly. If a student pauses more than three seconds on a word, the examiner supplies the word and marks it as incorrect; self-corrections are counted as correct. The passages were written to be at middle of the year reading level for each grade. The score, total words read correctly, is calculated by subtracting the

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number of errors from the total words read (maximum total possible = approximately 250 words).

**Multiple Choice Reading Comprehension (MCRC).** Students first read an original, narrative passage (approximately 1,500 words), then answer multiple choice questions based on the story, all online. All passages were developed and reviewed to fit grade-level using the Flesh-Kinkaid index feature available on Microsoft Word (Alonzo & Tindal, 2008). Reading comprehension is assessed by performance on seven literal, seven inferential, and six evaluative comprehension questions. Students receive credit for each question correctly answered (maximum total possible = 20 items). Each question is comprised of a question stem and three possible answers: the correct answer and two incorrect, but plausible, distractors. There is no time limit for passage reading, and students are allowed to look back at the passage while answering the comprehension questions. Typically, students spend approximately 30-minutes completing this measure.

**Vocabulary (VOC).** Students were presented with 25 multiple-choice vocabulary items, with one correct answer and two distractors (one of which was a synonym, but incorrect choice). Vocabulary words were drawn from a set of word lists developed by vocabulary researcher Edgar Dale at Ohio State University. In the primary grades, the test measures structural word knowledge of high frequency words. In contrast, in the intermediate grades semantic, rather than syntactic, elements of words is assessed. Typically, students spend approximately 15-minutes completing this measure.

**Oregon Assessment of Knowledge and Skills in Reading (OAKS).** The OAKS is Oregon's computer-adaptive statewide assessment, administered up to three times per year within an eight-month testing window. However, paper-pencil, Spanish, and Braille versions are

available for students with special needs. All of the test items were developed by Oregon teachers and reviewed by Oregon experts to assess student mastery of Oregon standards in reading.

Reading and Literature test item content was based on 2005-2006 state- adopted content standards. Items include a passage (narrative, informational, or “practical”), followed by 3-10 multiple- choice questions. For each question there is one correct answer and three distractors. Passage length varies by grade (i.e., approximately, grade 3= 150-250 words, grade 4= 250-350 words, grade 5= 350- 450 words, grade 6= 500- 600 words, grade 7= 600-700 words, and grade 8= 700- 800 words). Illustrations that are integral to the passage are included within the text. Questions were designed to assess 5 types of reading skills to be applied, based on the presented passage: using vocabulary knowledge, reading to perform a task, demonstrating general understanding, developing an interpretation, and examining content and text structure (for both narrative and informational text). Typically, students complete the OAKS in 60 – 75 minutes.

Student raw scores are derived “online”, based on the number of questions answered correctly and question difficulty. These scores are then converted to Rasch scaled scores, vertically linked across grades 3-10, allowing for an adaptive administration of subsequent test items. Student scaled score performance ranges from 195- 260. All students can take the test up to three times, and only the best score is retained as the final score. The state’s performance classification for the OAKS is: *meets, exceeds, or does not meet*. For the purposes of this study, the *meets and exceeds* categories were collapsed. The OAKS achievement standard for the *meets* category for the academic year of 2009-2010 for each grade was 204 (third grade), 211 (fourth grade), 218 (fifth grade), 222 (sixth grade), and 227 (seventh grade). The testing window for the

OAKS was October of 2009 through May of 2010; however, most students took the test in the spring of 2010.

### **Data Analysis**

Three general research questions guided the data analyses conducted in this study, across grades 3-7 during the 2009-2010 school year:

1. What is the practical utility of easyCBM measurement for instructional decision-making?
2. To what extent is the Multiple Choice Reading Comprehension (MCRC) measure reliable?
3. To what extent can easyCBM measures validly predict student performance on the Oregon state assessment in reading (OAKS)?

**Practical Utility.** In order to evaluate the practical utility of easyCBM use, two separate analyses were conducted. First, we separately examined the minimal acceptable growth on the PRF and MCRC easyCBM measures for passing the OAKS state reading assessment. The VOC measure was not included in this analysis because it is administered only twice (i.e., fall and spring), and at least three time-points are recommended for estimating growth (Raudenbush & Byrk, 2002). Using HLM 18.0, a two-level hierarchical linear growth model was used, for each grade, to estimate student reading growth rate within one academic year, with *time* at level-1 and *student* at level-2. Next, we split the sample into quartiles of normative achievement on the fall easyCBM PRF/MCRC scores to control for their initial achievement before conducting Receiver Operating Characteristics (ROC) curve analyses in SPSS 18.0 to determine the optimal growth rate for each grade. Student growth estimated from HLM analyses were entered as a test variable and student performance classification level (exceeds/meets or does not meet) was entered as a

state variable for the ROC analyses. Growth rate associated with maximum sensitivity and specificity values was selected as an optimal growth rate for each quartile of PRF and MCRC measures of each grade.

Second, we identified the minimal acceptable performance on the PRF, MCRC, and VOC easyCBM measures needed to reliably predict performance level classification status on the OAKS (i.e., does not meet or meets/exceeds performance level standards). ROC analyses were separately conducted for each measure to obtain optimal cut- scores by time point (fall, winter, or spring) to predict students' OAKS performance level classification. EasyCBM optimal cut scores were determined based on the following guidelines (Silbergitt & Hintze, 2005):

- (a) Select the cut score that is associated with both sensitivity and specificity higher than 0.7. If this is not feasible, retaining sensitivity at 0.7 or above becomes a priority;
- (b) when both sensitivity and specificity are higher than 0.7, select the cut score that is associated with higher overall correct classification percentage.

Once the benchmark cut- score was determined for each grade, diagnostic efficiency statistics were computed to obtain the following: positive predictive power, negative predictive power, total area under the ROC curve (AUC) and overall correct classification percentage. AUC closer to 1.0 generally implies more efficiency as a screening measure. Next, sensitivity and specificity of the cut-scores for predicting OAKS year-end performance were examined.

**Reliability.** To assess the reliability of the MCRC measure, we examined the internal consistency among items within the test using both raw score Cronbach's alpha and split-half reliability coefficients for each grade by time point using PASW Statistics 18 (SPSS for Windows, 2009). We also analyzed item-level performance by ethnic subgroup, special

education eligibility status, and English Language Learner (ELL) eligibility status. In addition, we considered the reliability of student performance on both PRF and MCRC over time (i.e., slope).

Our reliability of slope analyses involved a two-level hierarchical linear growth model to represent student reading growth within one academic year, with *time* at level-1 and *student* at level-2. Time point (fall, winter, spring) was used as the criterion variable, and each student's reading growth was represented by an individual growth trajectory over time. Analyses were separated by grade level, ethnicity group, and fall score status. In other words, analyses were separated by quartile based on fall PRF or MCRC performance, in effect conditioning the results on fall score status. The fixed and random effects for the intercept and slope and the reliability of the growth estimates were reported for each student group. The reliability of the growth estimates was defined as the ratio between the level-2 variance component and the sum of the level-2 and level-1 components, with the latter divided by the number of students within that particular group, that is

$$\lambda_{0j} = \frac{\tau_{00}}{\tau_{00} + \sigma^2/n_j},$$

where  $\tau_{00}$  represents level-2 variance of the growth estimate and  $\sigma^2/n_j$  represents the measurement error for the level-2 variance (Raudenbush, & Bryk, 2002). All analyses were conducted using *R*, the free online statistical software (R Development Core Team, 2010). Alternate forms reliability for this measure has been reported elsewhere (see Alonzo & Tindal, 2009).

**Validity.** Two main methods were used to evaluate the degree to which performance on

easyCBM measures provides valid evidence of reading skill proficiency. First, we examined the predictive validity of both the performance level score of each easyCBM measure, as well as the slope obtained over time. That is, we ran a series of regression analyses using the OAKS assessment of reading achievement as the dependent variable and WRF (third grade only), PRF, MCRC, and Vocabulary as independent variables for each grade. We explored these relationships across time points (concurrently and predictively), both uniquely across the total sample and by ethnic subgroup, special education eligibility status, and English Language Learner (ELL) eligibility status. In addition, we also used a combined easyCBM model (e.g., PRF, MCRC, and Vocabulary) to predict performance on the OAKS for each grade total sample. Descriptive statistics are presented in Tables 163-197, pp. 165-185.

For the validity of slope analyses, we examined student's rate of growth in a year using a two-level hierarchical linear growth model (HLM; Raudenbush & Bryk, 2002). Reading growth was represented by individual growth trajectories over time, with time at level-1 and student easyCBM performance at level-2. Student ethnicity along with initial reading achievement grouped into quartiles, were modeled at the intercept and slope for each grade. The HLM model was as follows:

$$\text{Level 1: } Y_{ti} = \pi_{0i} + \pi_{1i}(\text{Time}_{ti}) + e_{ti}$$

$$\text{Level 2: } \pi_{0i} = \beta_{00} + r_{0i}$$

$$\pi_{1i} = \beta_{10} + r_{1i}$$

where  $\pi_{1i}$  is the growth rate of student  $i$  and represents the expected linear change from fall to winter, and from winter to spring. The level-2 residuals,  $r_{1i}$  for each student  $i$ , were used as the growth estimates for each student. To obtain a predictive validity estimate, the residuals were correlated with students' performance scores on the OAKS.

Our second method was to examine the internal structure of the easyCBM assessment at each grade level for fall and spring time points. Using confirmatory factor analysis (CFA) in MPlus (Muthén & Muthén, 2007), we tested our hypothesized model of reading (see Figures 1 & 2). In the model, PRF, MCRC, and Vocabulary (and in third grade WRF is also included) are presumed to differentially relate to the construct of reading proficiency across all grades. That is, consistent with the conclusions of the National Reading Panel's report (NICHD, 2000), we posit related, but separate, contributions to reading proficiency by fluency, text comprehension, and vocabulary skills. In our third grade model, we distinguish between WRF and PRF because although both are indicators of fluency, they represent different competencies (i.e., speed of word recognition and fluency with reading connected text).

For the CFAs across all grades and time points, factor loadings were freed and factor variances were constrained to be 1.0. A weighted least square estimator (WLSMV) was used, and both the observed variables (WRF, PRF, VOC) and the latent variable (MCRC) were allowed to load on only 1 factor, resulting in a simple factor structure solution. Because WLSMV was used, the chi-square was not interpreted (Muthén & Muthén, 2007). Instead, we evaluated model fit using the Tucker Lewis Index (TLI), Comparative Fit Index (CFI), and Root-Mean Square Error of Approximation (RMSEA). In particular, with binary and continuous model variables, CFI and TLI values  $\geq 0.95$ , and RMSEA values  $\leq 0.05$  were considered indications of good model fit to the data (Yu, 2002).



**Data Preparation.** Data were screened for outlying cases; “out of range” cases were recoded as missing. Less than 1% of the data were recoded. Pairwise deletion was specified to remove missing variables in all regression analyses; listwise deletion was used for all other analyses. In the next section, descriptive student and scale statistics are reported by grade and season, where appropriate, prior to each set of data analyses (e.g., ROC curve, regression, confirmatory factor analysis).

## Results

### Practical Utility

In this section we report on findings related to the identification of minimal acceptable growth rates needed on the PRF and MCRC measures to reliably predict passing performance on the OAKS state reading assessment. The average growth estimates of each quartile are reported by each measure within each grade, and by OAKS performance level classification. The optimal growth rate (“ectime”) of each quartile to predict OAKS performance is reported by each measure. The total area under the curve (AUC) and the ROC curves are reported for each quartile by each grade. See Tables 1-32, pp. 32-44, and Figures 3-12, pp.577-596.

**Grade 3.** For grade 3, the average growth rate of PRF (18.17) was the highest for students in the fourth quartile, meaning that, on average, students read 18.17 words more per minute on the PRF measures over the course of the year. The average growth rate of PRF was the lowest for students in the first quartile, 14.81. Students who passed OAKs standards read approximately 3 more words on PRF measures than those who did not. The optimal PRF growth rate was the highest for students in the third quartile (i.e., 17.03) and the lowest for students in the first quartile (14.77). The AUC of PRF was the highest for the fourth quartile (.97) and the lowest for the third quartile (.54).

The average growth rate of MCRC (1.63) was the highest for students in the fourth quartile, meaning that students got 1.63 more items right on MCRC measures over the year. The average growth rate of MCRC was the lowest for the students in the first quartile, 1.53. Average growth on MCRC measures was similar for students who did and did not pass OAKS standards. The optimal MCRC growth rate was the highest for students in the fourth quartile (1.57) and the lowest for the students in the first quartile (1.52). The AUC of MCRC was the highest for the

third quartile (.97) and the lowest for the second quartile (.78).

**Grade 4.** For grade 4, the average growth rate of PRF (19.05) was the highest for students in the fourth quartile, meaning that students read 19.05 words more per minute on the PRF measures over the course of the year. The average growth rate of PRF was the lowest for students in the first quartile, 12.75. Students who passed OAKs standards read approximately 4 more words on PRF measures than those who did not. The optimal PRF growth rate was the highest for students in the fourth quartile (18.98) and the lowest for the students in the first quartile (12.36). The AUC of PRF was the highest for the second quartile (.78) and the lowest for the fourth quartile (.63).

The average growth rate of MCRC was the highest for students in the first quartile (1.22), meaning that students got 1.22 more items right on the MCRC measures over the year. The average growth rate of MCRC was the lowest for the students in the fourth quartile, 0.50. Average growth on MCRC measures was similar for students who did and did not pass OAKS standards. The optimal MCRC growth rate was the highest for students in the first quartile (1.22) and the lowest for the students in the fourth quartile (.76). The AUC of MCRC was the highest for the second quartile (.43) and the lowest for the fourth quartile (.26).

**Grade 5.** For grade 5, the average growth rate of PRF (12.20) was the highest for students in the first quartile, meaning that students read 12.20 words more per minute on the PRF measures over the course of the year. The average growth rate of PRF was the lowest for students in the fourth quartile, 8.66. Students who did not pass OAKs standards read approximately 2 more words on PRF measures than those who did. The optimal PRF growth rate was the highest for students in the first quartile (12.16) and the lowest for students in the fourth quartile (9.19). The AUC of PRF was the highest for third quartile (.59). The AUC was the

lowest for the fourth quartile, .22.

The average growth rate of MCRC was the highest for students in the first quartile (0.57), meaning that students got 1.22 more items right on the MCRC measures over the year. The average growth rate of MCRC was the lowest for the students in the fourth quartile, .18. Average growth on MCRC measures was similar for students who did and did not pass OAKS standards. The optimal MCRC growth rate was the highest for students in the first quartile (.55) and the lowest for students in the fourth quartile (.23). The AUC of MCRC was the highest for the first quartile (.19) and the lowest for the fourth quartile (.07).

**Grade 6.** For grade 6, the average growth rate of PRF was the highest for students in the fourth quartile (16.77), meaning that students read 16.77 words more per minute on the PRF measures over the course of the year. The average growth rate of PRF was the lowest for students in the first quartile, 7.35. Students who passed OAKs standards read approximately 3 more words on PRF measures than those who did not. The optimal PRF growth rate (15.79) was the highest for students in the fourth quartile and the lowest for students in the first quartile (7.56). The AUC of PRF was the highest for the first quartile (.71) and the lowest for the second quartile (.60).

The average growth rate of MCRC was the highest for students in the first quartile (0.22), meaning that students get 0.22 more items right on the MCRC measures over the year. The average growth rate of MCRC was the lowest for the students in the fourth quartile, 0.10. Average growth on MCRC measures was similar for students who did and did not pass OAKS standards. The optimal MCRC growth rate was the highest for students in the first quartile (.20) and the lowest for students in the fourth quartile (.12). The AUC of MCRC was the highest for the third quartile (.27) and the lowest for the fourth quartile (.20).

**Grade 7.** For grade 7, the average growth rate of PRF (6.44) was the highest for students in the fourth quartile, meaning that students read 6.44 words more per minute on the PRF measures over the course of the year. The average growth rate of PRF was the lowest for students in the first quartile, 1.10. Students who passed OAKs standards read approximately 4 more words on PRF measures than those who did not. The optimal PRF growth rate was the highest for students in the fourth quartile (5.65) and the lowest for students in the first quartile (1.19). The AUC of PRF was the highest for the fourth quartile (.85) and the lowest for the second quartile (.67).

Grade 7 results for MCRC were somewhat puzzling, showing the negative average growth for all quartiles, which means that they get fewer items correct over the year. Students in the first quartile got the fewest items incorrect over the year and students in the fourth quartile got the most items incorrect. This may be related to ceiling effect, suggesting that the measure may not be sensitive to student growth. Average growth on MCRC measures was similar for students who did and did not pass OAKS standards. Therefore, optimal growth rates for MCRC may not be interpretable.

**Summary.** In general, average growth rates for students in grades 3-5 were much higher for both measures than grades 6-7. The optimal PRF growth rates for grades 3 to 7 show that the growth rates for students in the higher quartiles (e.g., third and fourth quartile) tend to be higher than lower quartiles with an exception of grade 5. In contrast, the optimal MCRC growth rates for grades 3 to 7 reveal the opposite pattern (i.e., growth rates for students in the higher quartiles were lower), with the exception of grade 3.

In this section we report on findings related to the identification of PRF, MCRC, VOC benchmarks for minimal acceptable performance needed to reliably predict passing/failing

performance on the OAKS state reading assessment. Based on optimal cut- score guidelines (described in Methods section; Silberglitt & Hintze, 2005), for each time point we obtained separate PRF, MCRC, and VOC cut-points for each grade. Sensitivity, specificity, positive predictive power, negative predictive power, overall correct classification percentage for the determined cut score as well as AUC for each measure. See Tables 33-35, pp. 45- 48. Figures 13-27, pp.597-607, are scatterplots illustrating the relation between the spring PRF or MCRC measures and the OAKS.

**Grade 3.** Sensitivity and specificity for the determined optimal cut scores for each measure ranged from .70 to .83 and .68 to .92, respectively. Winter PRF and spring MCRC were the most sensitive measures in third grade (i.e., .83) and fall PRF had the greatest specificity (i.e., .92). The overall correct classification ranged from .69 (winter MCRC) to .91 (fall PRF). Positive predictive power ranged from .24 (fall MCRC) to .59 (fall PRF). Negative predictive power ranged from .95 (fall MCRC) to .98 (fall and spring VOC, winter and spring PRF).

**Grade 4.** Sensitivity and specificity for the determined optimal cut scores for each measure ranged from .70 to .83 and .79 to .85, respectively. Spring VOC was the most sensitive measure in fourth grade (i.e., .83) and fall VOC had the greatest specificity (i.e., .85). The overall correct classification ranged from .79 (winter MCRC) to .84 (fall VOC). Positive predictive power ranged from .31 (fall and spring MCRC) to .37 (fall VOC). Negative predictive power ranged from .96 (fall PRF and MCRC) to .98 (spring VOC).

**Grade 5.** Sensitivity and specificity for the determined optimal cut scores for each measure ranged from .75 to .84 and .78 to .85, respectively. Fall VOC was the most sensitive measure in fifth grade (i.e., .84) and spring VOC had the greatest specificity (i.e., .85). The overall correct classification ranged from .77 (winter PRF) to .83 (fall and spring VOC). Positive

predictive power ranged from .41 (winter and spring PRF) to .49 (fall and spring VOC).

Negative predictive power ranged from .94 (winter and spring MCRC) to .96 (fall VOC).

**Grade 6.** Sensitivity and specificity for the determined optimal cut scores for each measure ranged from .70 to .76 and .76 to .84, respectively. Fall PRF and MCRC were the most sensitive measures in sixth grade (i.e., .76) and spring VOC had the greatest specificity (i.e., .84). The overall correct classification ranged from .76 (fall and winter PRF, and winter MCRC) to .82 (spring VOC). Positive predictive power ranged from .47 (fall MCRC and VOC, and winter MCRC) to .52 (spring PRF). Negative predictive power ranged from .90 (winter PRF and MCRC, spring PRF) to .93 (fall MCRC and VOC, and spring VOC).

**Grade 7.** Sensitivity and specificity for the determined optimal cut scores for each measure ranged from .70 to .79 and .77 to .83, respectively. Winter PRF was the most sensitive measures in seventh grade (i.e., .79) and winter MCRC had the greatest specificity (i.e., .83). The overall correct classification ranged from .77 (winter PRF and spring MCRC) to .81 (winter MCRC). Positive predictive power ranged from .38 (spring VOC) to .54 (spring PRF). Negative predictive power ranged from .90 (spring PRF) to .95 (spring VOC).

**Summary.** Across grades 3-7, correct classifications ranged from .69-.91 (both proportions were found in grade 3). The final cut-score used with PRF (fall and winter) was the most sensitive across all grades (however, in grades 4 and 5, VOC was more sensitive). Across grades, the final cut-score used with VOC (fall and spring) had the greatest specificity. Positive predictive power varied by grade level, but ranged from .24-.59 (both proportions found in grade 3). Negative predictive power varied by grade level, but ranged from .90-.98.

### **MCRC Reliability**

In this section, we report the reliability of the multiple-choice reading comprehension measure for grades 3-7. The MCRC measure for all grades has 20 items total. Students in grade 3 correctly answered, on average, 11 items during the fall and winter (fall  $M = 10.91$ ,  $SD = 3.64$ ; winter  $M = 10.60$ ,  $SD = 2.96$ ), and 14 during the spring (spring  $M = 13.86$ ,  $SD = 3.89$ ).

In general, student performance on this measure was fairly stable across grades and time points, ranging from 12.26 (fall Grade 4;  $SD = 4.11$ ) - 14.80 (spring Grade 6; 3.00). Scores for grade 5 during fall, however, were higher ( $M = 15.81$ ,  $SD = 3.26$ ).

Across the three time points (i.e., fall, winter, spring) for the total sample, Cronbach's alpha ranged from .55-.78 in 3<sup>rd</sup> grade, .73-.78 in 4<sup>th</sup> grade, .70-.75 in 5<sup>th</sup> grade, .63-.67 in 6<sup>th</sup> grade, and .59-.67 in 7<sup>th</sup> grade. Across ethnic subgroups, item correlations were moderately consistent, ranging from .59-.75 in 3<sup>rd</sup> grade, .60-.79 in 4<sup>th</sup> grade, .58-.76 in 5<sup>th</sup> grade, .56-.68 in 6<sup>th</sup> grade, and .61-.73 in 7<sup>th</sup> grade in the fall. In winter they ranged from .43-.68 in 3<sup>rd</sup> grade, .68-.77 in 4<sup>th</sup> grade, and .56-.79 in 5<sup>th</sup> grade. The Cronbach's alpha derived for the grade 6 and 7 American Indian/Alaskan Native subgroup during winter was particularly low (alpha = .36 and .23, respectively) and inconsistent with other obtained coefficients. Excluding those coefficients, the ranges across the remaining ethnic subgroups were .56-.66 in 6<sup>th</sup> grade, and .60-.74 in 7<sup>th</sup> grade. In the spring, alpha coefficients were at their most consistent compared with the other two time points, ranging from .73-.83 in 3<sup>rd</sup> grade, .62-.78 in 4<sup>th</sup> grade, .66-.71 in 5<sup>th</sup> grade, .61-.71 in 6<sup>th</sup> grade, and .50-.63 in 7<sup>th</sup> grade. In general, the MCRC internal consistency was similar among special education students, ranging from .54 (at grade 3 winter, only) - .77. The reliability among English Language Learners was less consistent across grades and time points, ranging from .35-.76. See Table 36-146, pp. 49-144 for results pertaining to this section.



Split-half reliability coefficients were also computed by comparing the first 10 items of the MCRC measure to the second 10 measure items. Across the three time points (i.e., fall, winter, spring) for the total sample, the Cronbach's split-half coefficient ranged from .39-.64 in 3<sup>rd</sup> grade, .56-.63 in 4<sup>th</sup> grade, .49-.59 in 5<sup>th</sup> grade, .47-.52 in 6<sup>th</sup> grade, and .37-.51 in 7<sup>th</sup> grade. Across ethnic subgroups, split half coefficients ranged from .43-.62 in 3<sup>rd</sup> grade, .49-.67 in 4<sup>th</sup> grade, .32-.66 in 5<sup>th</sup> grade, .38-.50 in 6<sup>th</sup> grade, and .43-.67 in 7<sup>th</sup> grade in the fall. In winter they ranged from .18-.59 in 3<sup>rd</sup> grade, .46-.73 in 4<sup>th</sup> grade, .44-.72 in 5<sup>th</sup> grade, .32-.62 in 6<sup>th</sup> grade, and .29-.63 in 7<sup>th</sup> grade. Similar coefficient results were found during spring: .55-.72 in 3<sup>rd</sup> grade, .32-.64 in 4<sup>th</sup> grade, .44-.58 in 5<sup>th</sup> grade, .45-.65 in 6<sup>th</sup> grade, and .17-.40 in 7<sup>th</sup> grade. Coefficients for special education students were similar, ranging from .37-.65. However, the split half internal consistency for English Language Learners was less consistent across grades and time points, ranging from .17-.74.

**Summary.** In general, the split-half reliability coefficients found mirrored the Cronbach's alpha coefficients, but were lower in magnitude. In addition, subgroup split-half coefficients tended to have wider ranges. In general, internal consistency of items was moderate for fall and spring time points, but less consistent in winter. Across ethnic groups, the correlation of test items was stable, with fairly similar ranges of reliability coefficients. For example, across grades Cronbach's alpha coefficients ranged from .43-.78 for the Black subgroup, .48-.76 for the Hispanic subgroup, .53-.78 for the White subgroup, and .56-.79 for the Multi-Ethnic subgroup.

### **Slope Reliability**

In this section we report the reliability of growth slopes obtained for the full sample and ethnic subgroups by quartiles for the WRF (third grade only), PRF, and MCRC measures.

Results for are presented below by grade level. For ethnic subgroups analyses, only sample sizes of 30 or more are reported here. See Tables 147-162, pp. 145-164.

**Grade 3.** For the grade 3 first quartile, the reliability of the WRF growth slope for the full sample was .76, for White students was .72, and for Hispanic students was .77. For the grade 3 second quartile, the reliability of the WRF growth slope for the full sample was .44, for White students was .34, and for Hispanic students was .31. For the grade 3 third quartile, the reliability of the WRF growth slope for the full sample was .45, for White students was .48, and for Hispanic students was .41. And for the grade 3 fourth quartile, the reliability of the WRF growth slope for the full sample was .50, for White students was .60, and for Hispanic students was .25.

For the grade 3 first quartile, the reliability of the PRF growth slope for the full sample was .36, for White students was .27, and for Hispanic students was .37. For the grade 3 second quartile, the reliability of the PRF growth slope for the full sample was .36, for White students was .39, and for Hispanic students was .26. For the grade 3 third quartile, the reliability of the PRF growth slope for the full sample was .36, for White students was .38, and for Hispanic students was .27. And for the grade 3 fourth quartile, the reliability of the PRF growth slope for the full sample was .14, for the Hispanic students was .16, and for the Asian students was .22.

For the grade 3 first quartile, the reliability of the MCRC growth slope for the full sample was .59, for White students was .63, and for Hispanic students was .46. For the grade 3 second quartile, the reliability of the MCRC growth slope for the full sample was .66, for White students was .66, and for Hispanic students was .60. For the grade 3 third quartile, the reliability of the MCRC growth slope for the full sample was .34, for White students was .32, and for Hispanic students was .37. For the grade 3 fourth quartile, the reliability of the MCRC growth slope for the full sample was .07, and for White students was .02.

**Grade 4.** For the grade 4 first quartile, the reliability of the PRF growth slope for the full sample was .33, for White students was .33, and for the Hispanic students was .42. For the grade 4 second quartile, the reliability of the PRF growth slope for the full sample was .68, for White students was .66, and for Hispanic students was .68. For the grade 4 third quartile, the reliability of the PRF growth slope for the full sample was .66, for White students was .63, and for Hispanic students was .68. And for the grade 4 fourth quartile, the reliability of the PRF growth slope for the full sample was .32, for White students was .33, and for Hispanic students was .57.

For the grade 4 first quartile, the reliability of the MCRC growth slope for the full sample was .33, for White students was .44, and for Hispanic students was .43. For the grade 4 second quartile, the reliability of the MCRC growth slope for the full sample was .63, for White students was .64, and for the Hispanic students was .65. For the grade 4 third quartile, the reliability of the MCRC growth slope for the full sample was .61, for multi-ethnic students was .48, for White students was .60, and for the Hispanic students was .67. For the grade 4 fourth quartile, the reliability of the MCRC growth slope for the full sample was .43, and for White students was .45.

**Grade 5.** For the grade 5 first quartile, the reliability of the PRF growth slope for the full sample was .19, for White students was .23, and for Hispanic students was .08. For the grade 5 second quartile, the reliability of the PRF growth slope for the full sample was .56, for White students was .58, and for Hispanic students was .58. For the grade 5 third quartile, the reliability of the PRF growth slope for the full sample was .50, for White students was .48, and for the Hispanic students was .63. And for the grade 5 fourth quartile, the reliability of the PRF growth slope for the full sample was .06, for White students was .06, for Black students was .12, and for Asian students was .05.

For the grade 5 first quartile, the reliability of the MCRC growth slope for the full sample was .13, and for White students was .17. For the grade 5 second quartile, the reliability of the MCRC growth slope for the full sample was .41, for White students was .30, and for Hispanic students was .63. For the grade 5 third quartile, the reliability of the MCRC growth slope for multi-ethnic students was .56, for White students was .43, and for Hispanic students was .57. For the grade 5 fourth quartile, the reliability of the MCRC growth slope for the full sample was .39, for White students was .39, and for Hispanic students was .59.

**Grade 6.** For the grade 6 first quartile, the reliability of the PRF growth slope for the full sample was .45, for White students was .51, and for Hispanic students was .43. For the grade 6 second quartile, the reliability of the PRF growth slope for the full sample was .71, for White students was .73, and for Hispanic students was .78. For the grade 6 third quartile, the reliability of the PRF growth slope for the full sample was .67, for White students was .68, and for Hispanic students was .74. And for the grade 6 fourth quartile, the reliability of the PRF growth slope for the full sample was .22, and for White students was .21.

For the grade 6 first quartile, the reliability of the MCRC growth slope for the full sample was .16, for those who declined to report ethnicity was .41, for White students was .15, and for Hispanic students was .24. For the grade 6 second quartile, the reliability of the MCRC growth slope for the full sample was .59, for White students was .58, and for Hispanic students was .61. For the grade 6 third quartile, the reliability of the MCRC growth slope for the full sample was .61, and for White students was .58. For the grade 6 fourth quartile, the reliability of the MCRC growth slope for the full sample was .37, and for White students was .27.

**Grade 7.** For the grade 7 first quartile, the reliability of the PRF growth slope for the full sample was .32, for White students was .38, and for Hispanic students was .25. For the grade 7

second quartile, the reliability of the PRF growth slope for the full sample was .36, for White students was .34, and for Hispanic students was .35. For the grade 7 third quartile, the reliability of the PRF growth slope for the full sample was .28, for White students was .24, for Hispanic students was .35, and for Asian students was .38. And for the grade 7 fourth quartile, the reliability of the PRF growth slope for the full sample was .11, for White students was .12, for Hispanic students was .14, and for Asian students was .02.

For the grade 7 first quartile, the reliability of the MCRC growth slope for the full sample was .05, for White students was .08, for Hispanic students was .01, and for Asian students was .42. For the grade 7 second quartile, the reliability of the MCRC growth slope for the full sample was .35, for White students was .35, for Hispanic students was .31, and for Asian students was .27. For the grade 7 third quartile, the reliability of the MCRC growth slope for the full sample was .48, for White students was .43, and for Hispanic students was .55. For the grade 7 fourth quartile, the reliability of the MCRC growth slope for the full sample was .52, for White students was .51, and for Hispanic students was .63.

**Summary.** In general, the reliability of slope across PRF and MCRC was low to moderate for students in the first quartile across grades 3-7 (PRF  $r$  range = .19-.45, MCRC  $r$  range = .05-.59). Reliability was higher for the second and third quartiles (PRF  $r$  range = .28-.71, MCRC  $r$  range = .34-.67). The reliability of slope across PRF and MCRC was low to moderate for students in the fourth quartile (PRF  $r$  range = .06-.32, MCRC  $r$  range = .07-.52).

### **Concurrent Validity**

In this section we report on relationships between easyCBM scores and OAKS reading assessment performance during spring 2010. We present findings from WRF (in third grade only), PRF, MCRC, and Vocabulary predictions of OAKS, both across total grade (full) samples,

and by ethnic, special education, and ELL subgroups. See Tables 203-271, pp. 196-280. When combined, the easyCBM measures accounted for approximately 60% of the variance in OAKS performance across grades ( $r^2$  range across grades 3-7 = .58-.66).

### **Grade 3.**

**Word Reading Fluency (WRF).** By third grade, the WRF measure was a weak predictor of OAKS performance, explaining 28.0% of the variance in student performance across the full sample. Among ethnic subgroups, it was not a reliable predictor of OAKS performance for American Indian/ Alaskan Natives, Asian/Pacific Islanders, or Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [11] = 1.925, p = .080, t [21] = 1.881, p = .074,$  and  $t [14] = 3.576, p = .003$  respectively). Among Hispanics, WRF explained 34.7% of the variance in performance on the OAKS,  $t (180) = 9.779, p = .000$ . Among Whites, WRF explained 27.3% of the variance in performance,  $t (673) = 15.899, p = .000$ . Among students in the Multi-Ethnic subgroup, WRF explained 69.7% of the variance in performance,  $t (20) = 6.782, p = .000$ . For the Special Education subgroup, WRF scores explained 36.6% of the variance in OAKS performance,  $t (168) = 9.839, p = .000$ . However, the model failed to reach statistical significance for the ELL subgroup,  $t (15) = 1.713, p = .107$ .

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 45.0% of the variance in OAKS student performance. Among ethnic groups, PRF explained 49.6% of the variance in performance among American Indian/Alaskan Natives ( $t [33] = 5.697, p = .000$ ), 40.8% of the variance in performance among Asian/ Pacific Islanders ( $t [77] = 7.287, p = .000$ ), 44.8% of the variance in performance among Blacks ( $t [41] = 5.763, p = .000$ ), 44.4% of the variance in performance among Hispanics ( $t [340] = 16.488, p = .000$ ), 43.9% of the variance in performance among Whites ( $t [1550] = 34.835, p = .000$ ), and 54.1% of the performance among

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students in the Multi-Ethnic subgroup ( $t [55] = 8.059, p = .000$ ). For the Special Education subgroup, PRF scores explained 50.0% of the variance in OAKS performance,  $t (348) = 18.646, p = .000$ . Among ELL, PRF scores explained 25.6% of the variance,  $t (91) = 5.597, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 36.8% of the variance in OAKS student performance. Among ethnic groups, MCRC was not a reliable predictor of OAKS performance for American Indian/ Alaskan Natives when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [34] = 3.813, p = .001$ ). However, it accounted for 33.7% of the variance in performance among Asian/ Pacific Islanders ( $t [92] = 6.950, p = .000$ ), 43.3% of the variance in performance among Blacks ( $t [44] = 5.948, p = .000$ ), 44.4% of the variance in performance among Hispanics ( $t [371] = 12.623, p = .000$ ), 35.0% of the variance in performance among Whites ( $t [1654] = 29.872, p = .000$ ), and 51.8% of the performance among students in the Multi-Ethnic subgroup ( $t [58] = 8.023, p = .000$ ). For the Special Education subgroup, MCRC scores explained 39.9% of the variance in OAKS performance,  $t (375) = 15.821, p = .000$ . Among ELL, MCRC scores explained 25.6% of the variance,  $t (110) = 5.161, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 45.6% of the variance in OAKS student performance. Among ethnic groups, VOC explained 37.3% of the variance in performance among American Indian/Alaskan Natives ( $t [33] = 4.428, p = .000$ ), 40.8% of the variance in performance among Asian/ Pacific Islanders ( $t [76] = 8.804, p = .000$ ), 53.7% of the variance in performance among Blacks ( $t [42] = 6.985, p = .000$ ), 50.1% of the variance in performance among Hispanics ( $t [306] = 17.524, p = .000$ ), 44.2% of the variance in performance among Whites ( $t [1521] = 34.680, p = .000$ ), and 56.9% of the performance among students in the Multi-Ethnic subgroup ( $t [56] = 8.605, p = .000$ ). For the Special Education subgroup, VOC

scores explained 56.3% of the variance in OAKS performance,  $t(352) = 21.289, p = .000$ . Among ELL, VOC scores explained 29.8% of the variance,  $t(74) = 5.605, p = .000$ .

#### **Grade 4.**

***Passage Reading Fluency (PRF)***. For the full sample, PRF scores accounted for 43.1% of the variance in OAKS student performance. Among ethnic groups, PRF explained 51.9% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 6.964, p = .000$ ), 37.5% of the variance in performance among Asian/ Pacific Islanders ( $t[73] = 6.624, p = .000$ ), 35.3% of the variance in performance among Blacks ( $t[48] = 5.114, p = .000$ ), 39.1% of the variance in performance among Hispanics ( $t[345] = 14.870, p = .000$ ), 42.9% of the variance in performance among Whites ( $t[1545] = 34.082, p = .000$ ), and 50.9% of the performance among students in the Multi-Ethnic subgroup ( $t[93] = 9.819, p = .000$ ). For the Special Education subgroup, PRF scores explained 47.0% of the variance in OAKS performance,  $t(400) = 18.828, p = .000$ . Among ELL, PRF scores explained 36.7% of the variance,  $t(79) = 6.767, p = .000$ .

***Multiple Choice Reading Comprehension (MCRC)***. For the full sample, MCRC scores accounted for 35.9% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 58.9% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 7.858, p = .000$ ), 16.2% of the variance in performance among Asian/ Pacific Islanders ( $t[89] = 4.140, p = .000$ ), 43.7% of the variance in performance among Blacks ( $t[50] = 6.231, p = .000$ ), 31.3% of the variance in performance among Hispanics ( $t[382] = 13.190, p = .000$ ), 35.4% of the variance in performance among Whites ( $t[1594] = 29.546, p = .000$ ), and 42.2% of the performance among students in the Multi-Ethnic subgroup ( $t[94] = 8.286, p = .000$ ). For the Special Education subgroup, MCRC scores explained 34.9% of the variance in



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OAKS performance,  $t(408) = 14.782, p = .000$ . Among ELL, MCRC scores explained 19.3% of the variance,  $t(95) = 4.769, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 47.6% of the variance in OAKS student performance. Among ethnic groups, VOC explained 29.9% of the variance in performance among American Indian/Alaskan Natives ( $t[41] = 4.185, p = .000$ ), 32.8% of the variance in performance among Asian/ Pacific Islanders ( $t[73] = 6.094, p = .000$ ), 46.1% of the variance in performance among Blacks ( $t[47] = 6.341, p = .000$ ), 45.9% of the variance in performance among Hispanics ( $t[329] = 16.724, p = .000$ ), 48.5% of the variance in performance among Whites ( $t[1456] = 37.002, p = .000$ ), and 51.9% of the performance among students in the Multi-Ethnic subgroup ( $t[90] = 9.861, p = .000$ ). For the Special Education subgroup, VOC scores explained 55.9% of the variance in OAKS performance,  $t(384) = 22.082, p = .000$ . Among ELL, VOC scores explained 24.5% of the variance,  $t(77) = 5.005, p = .000$ .

### **Grade 5.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 42.3% of the variance in OAKS student performance. Among ethnic groups, PRF explained 30.5% of the variance in performance among American Indian/Alaskan Natives ( $t[47] = 4.547, p = .000$ ), 46.2% of the variance in performance among Asian/ Pacific Islanders ( $t[95] = 9.023, p = .000$ ), 54.4% of the variance in performance among Blacks ( $t[51] = 7.803, p = .000$ ), 40.4% of the variance in performance among Hispanics ( $t[367] = 15.757, p = .000$ ), 41.5% of the variance in performance among Whites ( $t[1660] = 34.328, p = .000$ ), and 36.9% of the performance among students in the Multi-Ethnic subgroup ( $t[88] = 7.176, p = .000$ ). For the Special Education subgroup, PRF scores explained 40.9% of the variance in OAKS performance,  $t(432) = 17.283, p = .000$ . Among ELL, PRF scores explained 23.2% of the variance,  $t(88) = 5.162, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 29.7% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 38.0% of the variance in performance among American Indian/Alaskan Natives ( $t [47] = 5.363, p = .000$ ), 13.7% of the variance in performance among Asian/ Pacific Islanders ( $t [102] = 4.029, p = .000$ ), 25.5% of the variance in performance among Blacks ( $t [54] = 4.299, p = .000$ ), 27.3% of the variance in performance among Hispanics ( $t [377] = 11.910, p = .000$ ), 30.4% of the variance in performance among Whites ( $t [1666] = 26.962, p = .000$ ), and 20.2% of the performance among students in the Multi-Ethnic subgroup ( $t [87] = 4.695, p = .000$ ). For the Special Education subgroup, MCRC scores explained 32.3% of the variance in OAKS performance,  $t (429) = 14.314, p = .000$ . Among ELL, MCRC scores explained 30.0% of the variance,  $t (93) = 6.309, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 46.6% of the variance in OAKS student performance. Among ethnic groups, VOC explained 48.6% of the variance in performance among American Indian/Alaskan Natives ( $t [43] = 6.373, p = .000$ ), 46.6% of the variance in performance among Asian/ Pacific Islanders ( $t [93] = 9.001, p = .000$ ), 54.1% of the variance in performance among Blacks ( $t [49] = 7.593, p = .000$ ), 42.6% of the variance in performance among Hispanics ( $t [313] = 15.238, p = .000$ ), 45.2% of the variance in performance among Whites ( $t [1558] = 35.837, p = .000$ ), and 46.8% of the performance among students in the Multi-Ethnic subgroup ( $t [85] = 8.641, p = .000$ ). For the Special Education subgroup, VOC scores explained 43.6% of the variance in OAKS performance,  $t (403) = 17.666, p = .000$ . Among ELL, VOC scores explained 30.4% of the variance,  $t (67) = 5.416, p = .000$ .

**Grade 6.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 43.3% of the variance in OAKS student performance. Among ethnic groups, PRF was not a reliable predictor of OAKS performance for Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [22] = 3.193, p = .004$ ). However, PRF explained 38.8% of the variance in performance among American Indian/Alaskan Natives ( $t [34] = 4.639, p = .000$ ), 40.6% of the variance in performance among Asian/ Pacific Islanders ( $t [28] = 4.376, p = .000$ ), 46.4% of the variance in performance among Hispanics ( $t [155] = 11.591, p = .000$ ), 44.2% of the variance in performance among Whites ( $t [798] = 25.141, p = .000$ ), and 56.9% of the performance among students in the Multi-Ethnic subgroup ( $t [48] = 7.964, p = .000$ ). For the Special Education subgroup, PRF scores explained 41.8% of the variance in OAKS performance,  $t (233) = 12.942, p = .000$ . Among ELL, PRF scores explained 56.3% of the variance,  $t (33) = 6.520, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 35.7% of the variance in OAKS student performance. Among ethnic groups, MCRC was not a reliable predictor of OAKS performance for Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [51] = 3.537, p = .001$ ). However, MCRC accounted for 37.2% of the variance in performance among American Indian/Alaskan Natives ( $t [52] = 5.547, p = .000$ ), 27.0% of the variance in performance among Asian/ Pacific Islanders ( $t [82] = 5.504, p = .000$ ), 35.7% of the variance in performance among Hispanics ( $t [239] = 11.511, p = .000$ ), 29.2% of the variance in performance among Whites ( $t [1582] = 25.513, p = .000$ ), and 19.5% of the performance among students in the Multi-Ethnic subgroup ( $t [79] = 4.374, p = .000$ ). For the Special Education subgroup, MCRC scores

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explained 37.9% of the variance in OAKS performance,  $t(379) = 15.216, p = .000$ . Among ELL, MCRC scores explained 50.5% of the variance,  $t(78) = 8.916, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 50.1% of the variance in OAKS student performance. Among ethnic groups, VOC explained 49.1% of the variance in performance among American Indian/Alaskan Natives ( $t[49] = 6.873, p = .000$ ), 45.5% of the variance in performance among Asian/ Pacific Islanders ( $t[70] = 7.651, p = .000$ ), 41.1% of the variance in performance among Blacks ( $t[41] = 5.352, p = .000$ ), 39.8% of the variance in performance among Hispanics ( $t[234] = 12.448, p = .000$ ), 49.9% of the variance in performance among Whites ( $t[1429] = 37.745, p = .000$ ), and 51.4% of the performance among students in the Multi-Ethnic subgroup ( $t[64] = 8.227, p = .000$ ). For the Special Education subgroup, VOC scores explained 51.0% of the variance in OAKS performance,  $t(349) = 19.075, p = .000$ . Among ELL, VOC scores explained 26.5% of the variance,  $t(54) = 4.409, p = .000$ .

### **Grade 7.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 48.0% of the variance in OAKS student performance. Among ethnic groups, PRF was not a reliable predictor of OAKS performance for American Indian/Alaskan Natives when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t[17] = 4.121, p = .001$ ). However, PRF explained 49.5% of the variance in performance among Asian/ Pacific Islanders ( $t[128] = 11.198, p = .000$ ), 38.5% of the variance in performance among Blacks ( $t[49] = 5.537, p = .000$ ), 41.9% of the variance in performance among Hispanics ( $t[612] = 20.995, p = .000$ ), 47.9% of the variance in performance among Whites ( $t[1451] = 36.540, p = .000$ ), and 48.5% of the performance among students in the Multi-Ethnic subgroup ( $t[69] = 8.066, p = .000$ ). For the Special Education subgroup, PRF scores explained 47.6% of the variance in OAKS performance,

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$t(359) = 18.075, p = .000$ . Among ELL, PRF scores explained 25.5% of the variance,  $t(148) = 7.111, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 35.5% of the variance in OAKS student performance. Among ethnic groups, MCRC explained 43.4% of the variance in performance among American Indian/Alaskan Natives ( $t[31] = 4.877, p = .000$ ), 32.5% of the variance in performance among Asian/ Pacific Islanders ( $t[180] = 9.304, p = .000$ ), 26.4% of the variance in performance among Blacks ( $t[49] = 5.122, p = .000$ ), 35.0% of the variance in performance among Hispanics ( $t[647] = 33.136, p = .000$ ), 34.2% of the variance in performance among Whites ( $t[2116] = 33.136, p = .000$ ), and 35.3% of the performance among students in the Multi-Ethnic subgroup ( $t[118] = 8.022, p = .000$ ). For the Special Education subgroup, MCRC scores explained 35.0% of the variance in OAKS performance,  $t(433) = 15.285, p = .000$ . Among ELL, MCRC scores explained 27.4% of the variance,  $t(148) = 7.469, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 39.1% of the variance in OAKS student performance. Among ethnic groups, VOC explained 57.3% of the variance in performance among American Indian/Alaskan Natives ( $t[31] = 6.450, p = .000$ ), 38.2% of the variance in performance among Asian/ Pacific Islanders ( $t[76] = 6.855, p = .000$ ), 41.1% of the variance in performance among Blacks ( $t[40] = 5.283, p = .000$ ), 37.8% of the variance in performance among Hispanics ( $t[250] = 12.327, p = .000$ ), 49.9% of the variance in performance among Whites ( $t[1286] = 27.021, p = .000$ ), and 43.4% of the performance among students in the Multi-Ethnic subgroup ( $t[68] = 7.224, p = .000$ ). For the Special Education subgroup, VOC scores explained 39.8% of the variance in OAKS performance,  $t(286) = 13.752, p = .000$ . VOC

was not a reliable predictor of OAKS performance for ELL when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [55] = 3.571, p = .001$ ).

**Summary.** In general, spring PRF was a stable predictor of OAKS performance across grades 3-7, with variance accounted for ranging from .317-.569. Spring MRC variance accounted for fluctuated across grades, ranging from .137-.589. Like PRF, VOC was a stable predictor of OAKS performance, with variance accounted for ranging from .299-.569 across the grade levels sampled.

### **Predictive Validity**

In this section we report on relationships between easyCBM scores and OAKS reading assessment performance during fall 2009 and winter 2010. We present findings from WRF (third grade only), PRF, MCRC, and Vocabulary predictions of OAKS, both across total grade (full samples, and by ethnic, special education, and ELL subgroups. See Tables 272-409, pp. 281-552. When combined, the fall easyCBM measures accounted for approximately 60% of the variance in OAKS performance across grades ( $r^2$  range across grades 3-7 = .57-.64). Winter easyCBM scores, when combined within the predictive model, accounted for nearly 50% of the variance in OAKS performance across grades ( $r^2$  range across grades 3-7 = .44-.56).

#### **Grade 3 Fall.**

**Word Reading Fluency (WRF).** WRF scores reliably OAKS performance, accounting for 59.6% of the variance in student performance across the full sample. Among ethnic subgroups, it was not a reliable predictor of OAKS performance for American Indian/ Alaskan Natives, Asian/Pacific Islanders, or Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [11] = 1.823, p = .095, t [18] = 3.405, p = .003$ , and  $t [11] = 3.504, p = .005$ , respectively). Among Hispanics, WRF explained 41.7% of the variance

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in performance on the OAKS,  $t(160) = 10.688, p = .000$ . Among Whites, WRF explained 33.4% of the variance in performance,  $t(575) = 1.968, p = .000$ . Among students in the Multi-Ethnic subgroup, WRF explained 61.0% of the variance in performance,  $t(17) = 5.157, p = .000$ . For the Special Education subgroup, WRF scores explained 34.2% of the variance in OAKS performance,  $t(145) = 8.675, p = .000$ . However, the model failed to reach statistical significance for the ELL subgroup,  $t(12) = 2.100, p = .058$ .

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 44.6% of the variance in OAKS student performance. Among ethnic groups, PRF explained 39.2% of the variance in performance among American Indian/Alaskan Natives ( $t[33] = 4.611, p = .000$ ), 38.6% of the variance in performance among Asian/ Pacific Islanders ( $t[78] = 7.005, p = .000$ ), 42.2% of the variance in performance among Blacks ( $t[38] = 5.267, p = .000$ ), 46.3% of the variance in performance among Hispanics ( $t[337] = 17.035, p = .000$ ), 43.1% of the variance in performance among Whites ( $t[1548] = 34.250, p = .000$ ), and 39.4% of the performance among students in the Multi-Ethnic subgroup ( $t[58] = 6.144, p = .000$ ). For the Special Education subgroup, PRF scores explained 52.7% of the variance in OAKS performance,  $t(353) = 19.841, p = .000$ . Among ELL, PRF scores explained 34.1% of the variance,  $t(95) = 7.013, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 32.9% of the variance in OAKS student performance. Among ethnic groups, MCRC was accounted for 38.2% of the variance in performance among American Indian/Alaskan Natives ( $t[33] = 4.521, p = .000$ ), 28.7% of the variance in performance among Asian/ Pacific Islanders ( $t[90] = 6.019, p = .000$ ), 32.4% of the variance in performance among Blacks ( $t[41] = 4.430, p = .000$ ), 25.3% of the variance in performance among Hispanics ( $t[358] = 11.017, p = .000$ ), 31.8% of the variance in performance among Whites ( $t[1613] = 27.455, p$

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=.000), and 25.4% of the performance among students in the Multi-Ethnic subgroup ( $t [58] = 4.443, p = .000$ ). For the Special Education subgroup, MCRC scores explained 31.7% of the variance in OAKS performance,  $t (357) = 12.877, p = .000$ . Among ELL, MCRC scores explained 16.8% of the variance,  $t (111) = 4.739, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 49.1% of the variance in OAKS student performance. Among ethnic groups, VOC explained 60.5% of the variance in performance among American Indian/Alaskan Natives ( $t [32] = 7.005, p = .000$ ), 43.7% of the variance in performance among Asian/ Pacific Islanders ( $t [73] = 7.529, p = .000$ ), 63.2% of the variance in performance among Blacks ( $t [39] = 8.187, p = .000$ ), 49.6% of the variance in performance among Hispanics ( $t [285] = 16.740, p = .000$ ), 45.9% of the variance in performance among Whites ( $t [1479] = 35.411, p = .000$ ), and 56.2% of the performance among students in the Multi-Ethnic subgroup ( $t [55] = 8.394, p = .000$ ). For the Special Education subgroup, VOC scores explained 54.7% of the variance in OAKS performance,  $t (334) = 20.102, p = .000$ . Among ELL, VOC scores explained 35.6% of the variance,  $t (66) = 6.042, p = .000$ .

### **Grade 3 Winter.**

**Word Reading Fluency (WRF).** In Winter, WRF scores also reliably predicted OAKS performance, explaining 36.6% of the variance in student performance across the full sample. Among ethnic subgroups, it was not a reliable predictor of OAKS performance for American Indian/ Alaskan Natives, Asian/Pacific Islanders, or Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [14] = 1.407, p = 1.181, t [20] = 2.804, p = .011$  and  $t [13] = 3.976, p = .002$ , respectively). Among Hispanics, WRF explained 40.3% of the variance in performance on the OAKS,  $t (173) = 10.807, p = .000$ . Among Whites, WRF explained 35.7% of the variance in performance,  $t (661) = 19.171, p = .000$ . Among students in



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the Multi-Ethnic subgroup, WRF explained 52.0% of the variance in performance,  $t(22) = 4.887$ ,  $p = .000$ . For the Special Education subgroup, WRF scores explained 43.2% of the variance in OAKS performance,  $t(173) = 11.468$ ,  $p = .000$ . However, the model failed to reach statistical significance for the ELL subgroup,  $t(11) = 3.980$ ,  $p = .002$ .

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 43.7% of the variance in OAKS student performance. Among ethnic groups, PRF explained 46.1% of the variance in performance among American Indian/Alaskan Natives ( $t[34] = 5.396$ ,  $p = .000$ ), 37.7% of the variance in performance among Asian/ Pacific Islanders ( $t[84] = 7.137$ ,  $p = .000$ ), 48.8% of the variance in performance among Blacks ( $t[43] = 6.408$ ,  $p = .000$ ), 45.1% of the variance in performance among Hispanics ( $t[343] = 16.785$ ,  $p = .000$ ), 42.3% of the variance in performance among Whites ( $t[1611] = 34.385$ ,  $p = .000$ ), and 44.9% of the performance among students in the Multi-Ethnic subgroup ( $t[59] = 6.938$ ,  $p = .000$ ). For the Special Education subgroup, PRF scores explained 53.6% of the variance in OAKS performance,  $t(368) = 0.603$ ,  $p = .000$ . Among ELL, PRF scores explained 40.4% of the variance,  $t(95) = 8.023$ ,  $p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 29.2% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 29.2% of the variance in performance among American Indian/Alaskan Natives ( $t[34] = 3.929$ ,  $p = .000$ ), 36.1% of the variance in performance among Asian/ Pacific Islanders ( $t[93] = 7.254$ ,  $p = .000$ ), 41.2% of the variance in performance among Blacks ( $t[44] = 5.681$ ,  $p = .000$ ), 21.0% of the variance in performance among Hispanics ( $t[396] = 10.270$ ,  $p = .000$ ), 26.6% of the variance in performance among Whites ( $t[1698] = 24.827$ ,  $p = .000$ ), and 32.7% of the performance among students in the Multi-Ethnic subgroup ( $t[62] = 5.486$ ,  $p = .000$ ). For the Special Education subgroup, MCRC scores explained 27.2% of the variance in

OAKS performance,  $t(390) = 12.085, p = .000$ . Among ELL, MCRC scores explained 11.6% of the variance,  $t(121) = 3.989, p = .000$ .

#### **Grade 4 Fall.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 44.8% of the variance in OAKS student performance. Among ethnic groups, PRF explained 40.2% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 5.381, p = .000$ ), 38.5% of the variance in performance among Asian/ Pacific Islanders ( $t[76] = 6.892, p = .000$ ), 33.4% of the variance in performance among Blacks ( $t[43] = 4.646, p = .000$ ), 43.7% of the variance in performance among Hispanics ( $t[373] = 17.013, p = .000$ ), 45.0% of the variance in performance among Whites ( $t[1538] = 35.474, p = .000$ ), and 42.8% of the performance among students in the Multi-Ethnic subgroup ( $t[92] = 8.299, p = .000$ ). For the Special Education subgroup, PRF scores explained 46.3% of the variance in OAKS performance,  $t(394) = 18.449, p = .000$ . Among ELL, PRF scores explained 36.3% of the variance,  $t(98) = 7.479, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 45.3% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 35.2% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 4.830, p = .000$ ), 33.0% of the variance in performance among Asian/ Pacific Islanders ( $t[82] = 6.357, p = .000$ ), 40.0% of the variance in performance among Blacks ( $t[47] = 5.595, p = .000$ ), 41.1% of the variance in performance among Hispanics ( $t[378] = 16.251, p = .000$ ), 43.7% of the variance in performance among Whites ( $t[1553] = 34.694, p = .000$ ), and 56.4% of the performance among students in the Multi-Ethnic subgroup ( $t[91] = 10.856, p = .000$ ). For the Special Education subgroup, MCRC scores explained 41.4% of the variance in

OAKS performance,  $t(394) = 16.667, p = .000$ . Among ELL, MCRC scores explained 25.7% of the variance,  $t(97) = 5.789, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 50.2% of the variance in OAKS student performance. Among ethnic subgroups, it was not a reliable predictor of OAKS performance for Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t[41] = 6.341, p = .002$ ). However, VOC explained 41.5% of the variance in performance among American Indian/Alaskan Natives ( $t[39] = 5.263, p = .000$ ), 30.6% of the variance in performance among Asian/ Pacific Islanders ( $t[66] = 5.391, p = .000$ ), 50.1% of the variance in performance among Hispanics ( $t[283] = 16.912, p = .000$ ), 49.6% of the variance in performance among Whites ( $t[1390] = 36.992, p = .000$ ), and 52.4% of the performance among students in the Multi-Ethnic subgroup ( $t[88] = 9.850, p = .000$ ). For the Special Education subgroup, VOC scores explained 45.2% of the variance in OAKS performance,  $t(364) = 17.343, p = .000$ . Among ELL, VOC scores explained 29.9% of the variance,  $t(57) = 4.930, p = .000$ .

#### **Grade 4 Winter.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 41.4% of the variance in OAKS student performance. Among ethnic groups, PRF explained 42.4% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 5.631, p = .000$ ), 37.5% of the variance in performance among Asian/ Pacific Islanders ( $t[74] = 6.660, p = .000$ ), 40.3% of the variance in performance among Blacks ( $t[45] = 5.506, p = .000$ ), 40.1% of the variance in performance among Hispanics ( $t[332] = 14.923, p = .000$ ), 40.9% of the variance in performance among Whites ( $t[1527] = 32.492, p = .000$ ), and 44.5% of the performance among students in the Multi-Ethnic subgroup ( $t[94] = 8.674, p = .000$ ). For the Special Education

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subgroup, PRF scores explained 46.7% of the variance in OAKS performance,  $t(390) = 18.471$ ,  $p = .000$ . Among ELL, PRF scores explained 39.9% of the variance,  $t(75) = 7.060$ ,  $p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 30.0% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 51.6% of the variance in performance among American Indian/Alaskan Natives ( $t[43] = 6.767$ ,  $p = .000$ ), 25.0% of the variance in performance among Asian/ Pacific Islanders ( $t[84] = 5.286$ ,  $p = .000$ ), 40.5% of the variance in performance among Blacks ( $t[47] = 5.653$ ,  $p = .000$ ), 20.5% of the variance in performance among Hispanics ( $t[387] = 10.004$ ,  $p = .000$ ), 29.3% of the variance in performance among Whites ( $t[1580] = 25.587$ ,  $p = .000$ ), and 33.6% of the performance among students in the Multi-Ethnic subgroup ( $t[96] = 6.968$ ,  $p = .000$ ). For the Special Education subgroup, MCRC scores explained 32.8% of the variance in OAKS performance,  $t(406) = 14.076$ ,  $p = .000$ . Among ELL, MCRC scores explained 15.7% of the variance,  $t(100) = 4.314$ ,  $p = .000$ .

### **Grade 5 Fall.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 45.3% of the variance in OAKS student performance. Among ethnic groups, PRF explained 33.1% of the variance in performance among American Indian/Alaskan Natives ( $t[46] = 4.770$ ,  $p = .000$ ), 46.4% of the variance in performance among Asian/ Pacific Islanders ( $t[92] = 8.917$ ,  $p = .000$ ), 68.8% of the variance in performance among Blacks ( $t[47] = 10.189$ ,  $p = .000$ ), 43.8% of the variance in performance among Hispanics ( $t[378] = 17.148$ ,  $p = .000$ ), 43.5% of the variance in performance among Whites ( $t[1627] = 35.379$ ,  $p = .000$ ), and 45.5% of the performance among students in the Multi-Ethnic subgroup ( $t[86] = 8.471$ ,  $p = .000$ ). For the Special Education

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subgroup, PRF scores explained 44.2% of the variance in OAKS performance,  $t(422) = 18.280, p = .000$ . Among ELL, PRF scores explained 26.2% of the variance,  $t(93) = 5.742, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 31.5% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 36.0% of the variance in performance among American Indian/Alaskan Natives ( $t[45] = 5.034, p = .000$ ), 43.3% of the variance in performance among Asian/ Pacific Islanders ( $t[95] = 8.524, p = .000$ ), 37.3% of the variance in performance among Blacks ( $t[49] = 5.394, p = .000$ ), 24.0% of the variance in performance among Hispanics ( $t[420] = 11.515, p = .000$ ), 29.5% of the variance in performance among Whites ( $t[1658] = 26.366, p = .000$ ), and 29.7% of the performance among students in the Multi-Ethnic subgroup ( $t[87] = 6.068, p = .000$ ). For the Special Education subgroup, MCRC scores explained 36.4% of the variance in OAKS performance,  $t(431) = 15.718, p = .000$ . Among ELL, MCRC scores explained 25.0% of the variance,  $t(109) = 6.035, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 48.7% of the variance in OAKS student performance. Among ethnic groups, VOC explained 32.3% of the variance in performance among American Indian/Alaskan Natives ( $t[42] = 4.474, p = .000$ ), 52.6% of the variance in performance among Asian/ Pacific Islanders ( $t[85] = 9.712, p = .000$ ), 68.1% of the variance in performance among Blacks ( $t[45] = 9.806, p = .000$ ), 44.2% of the variance in performance among Hispanics ( $t[317] = 15.847, p = .000$ ), 47.3% of the variance in performance among Whites ( $t[1515] = 36.878, p = .000$ ), and 34.3% of the performance among students in the Multi-Ethnic subgroup ( $t[84] = 6.624, p = .000$ ). For the Special Education subgroup, VOC scores explained 50.7% of the variance in OAKS performance,  $t(386) = 19.915, p = .000$ . Among ELL, VOC scores explained 31.5% of the variance,  $t(71) = 5.716, p = .000$ .

**Grade 5 Winter.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 42.8% of the variance in OAKS student performance. Among ethnic groups, PRF explained 36.5% of the variance in performance among American Indian/Alaskan Natives ( $t [45] = 5.082, p = .000$ ), 39.8% of the variance in performance among Asian/ Pacific Islanders ( $t [92] = 7.805, p = .000$ ), 62.2% of the variance in performance among Blacks ( $t [46] = 8.691, p = .000$ ), 40.4% of the variance in performance among Hispanics ( $t [327] = 14.903, p = .000$ ), 42.4% of the variance in performance among Whites ( $t [1616] = 34.467, p = .000$ ), and 36.6% of the performance among students in the Multi-Ethnic subgroup ( $t [88] = 7.127, p = .000$ ). For the Special Education subgroup, PRF scores explained 38.4% of the variance in OAKS performance,  $t (413) = 16.053, p = .000$ . Among ELL, PRF scores explained 22.2% of the variance,  $t (73) = 4.562, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 27.6% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 32.2% of the variance in performance among American Indian/Alaskan Natives ( $t [46] = 4.673, p = .000$ ), 21.9% of the variance in performance among Asian/ Pacific Islanders ( $t [104] = 5.394, p = .000$ ), 28.4% of the variance in performance among Blacks ( $t [54] = 4.631, p = .000$ ), 28.6% of the variance in performance among Hispanics ( $t [398] = 12.621, p = .000$ ), 26.4% of the variance in performance among Whites ( $t [1678] = 24.504, p = .000$ ), and 26.0% of the performance among students in the Multi-Ethnic subgroup ( $t [88] = 5.554, p = .000$ ). For the Special Education subgroup, MCRC scores explained 33.0% of the variance in OAKS performance,  $t (435) = 14.634, p = .000$ . Among ELL, MCRC scores explained 28.7% of the variance,  $t (105) = 6.502, p = .000$ .

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**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 41.6% of the variance in OAKS student performance. Among ethnic groups, PRF explained 46.4% of the variance in performance among American Indian/Alaskan Natives ( $t [30] = 5.095, p = .000$ ), 37.7% of the variance in performance among Asian/ Pacific Islanders ( $t [28] = 4.119, p = .000$ ), 44.2% of the variance in performance among Blacks ( $t [22] = 4.295, p = .000$ ), 45.3% of the variance in performance among Hispanics ( $t [141] = 10.806, p = .000$ ), 41.3% of the variance in performance among Whites ( $t [748] = 22.930, p = .000$ ), and 40.3% of the performance among students in the Multi-Ethnic subgroup ( $t [45] = 5.506, p = .000$ ). For the Special Education subgroup, PRF scores explained 65.1% of the variance in OAKS performance,  $t (205) = 12.275, p = .000$ . Among ELL, PRF scores explained 52.9% of the variance,  $t (45) = 7.114, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 30.4% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 38.4% of the variance in performance among American Indian/Alaskan Natives ( $t [54] = 5.798, p = .000$ ), 45.8% of the variance in performance among Asian/ Pacific Islanders ( $t [87] = 8.579, p = .000$ ), 21.5% of the variance in performance among Blacks ( $t [87] = 3.732, p = .000$ ), 41.6% of the variance in performance among Hispanics ( $t [240] = 13.075, p = .000$ ), 26.7% of the variance in performance among Whites ( $t [1600] = 24.143, p = .000$ ), and 39.4% of the performance among students in the Multi-Ethnic subgroup ( $t [79] = 7.171, p = .000$ ). For the Special Education subgroup, MCRC scores explained 33.5% of the variance in OAKS performance,  $t (399) = 14.191, p = .000$ . Among ELL, MCRC scores explained 31.1% of the variance,  $t (96) = 6.584, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 48.0% of the variance in OAKS student performance. Among ethnic groups, VOC explained 56.1% of the variance in performance among American Indian/Alaskan Natives ( $t [54] = 8.302, p = .000$ ), 46.4% of the variance in performance among Asian/ Pacific Islanders ( $t [74] = 7.996, p = .000$ ), 26.7% of the variance in performance among Blacks ( $t [45] = 4.050, p = .000$ ), 46.8% of the variance in performance among Hispanics ( $t [237] = 14.446, p = .000$ ), 46.1% of the variance in performance among Whites ( $t [1461] = 35.337, p = .000$ ), and 57.5% of the performance among students in the Multi-Ethnic subgroup ( $t [67] = 9.529, p = .000$ ). For the Special Education subgroup, VOC scores explained 41.9% of the variance in OAKS performance,  $t (358) = 16.080, p = .000$ . Among ELL, VOC scores explained 23.6% of the variance,  $t (67) = 4.545, p = .000$ .

#### **Grade 6 Winter.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 41.8% of the variance in OAKS student performance. Among ethnic groups, PRF was not a reliable predictor of OAKS performance for American Indian/Alaskan Natives, Asian/ Pacific Islanders, and Blacks when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [29] = 3.816, p = .001$ ,  $t [26] = 3.412, p = .002$ ,  $t [19] = 1.469, p = .158$ ). However, PRF explained 45.0% of the variance in performance among Hispanics ( $t [136] = 10.540, p = .000$ ), 42.7% of the variance in performance among Whites ( $t [737] = 23.424, p = .000$ ), and 43.8% of the performance among students in the Multi-Ethnic subgroup ( $t [42] = 5.718, p = .000$ ). For the Special Education subgroup, PRF scores explained 42.3% of the variance in OAKS performance,  $t (175) = 11.337, p = .000$ . Among ELL, PRF scores explained 43.1% of the variance,  $t (23) = 4.170, p = .000$ .



**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 19.4% of the variance in OAKS student performance. Among ethnic groups, MCRC accounted for 48.2% of the variance in performance among American Indian/Alaskan Natives ( $t [31] = 5.372, p = .000$ ), 31.0% of the variance in performance among Asian/ Pacific Islanders ( $t [42] = 4.348, p = .000$ ), 48.1% of the variance in performance among Blacks ( $t [31] = 5.363, p = .000$ ), 31.6% of the variance in performance among Hispanics ( $t [135] = 7.889, p = .000$ ), 15.8% of the variance in performance among Whites ( $t [800] = 12.237, p = .000$ ), and 30.1% of the performance among students in the Multi-Ethnic subgroup ( $t [46] = 4.448, p = .000$ ). For the Special Education subgroup, MCRC scores explained 23.4% of the variance in OAKS performance,  $t (213) = 8.060, p = .000$ . Among ELL, MCRC scores explained 39.6% of the variance,  $t (46) = 5.488, p = .000$ .

#### **Grade 7 Fall.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 44.0% of the variance in OAKS student performance. Among ethnic groups, PRF was not a reliable predictor of OAKS performance for American Indian/Alaskan Natives when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [16] = 4.095, p = .001$ ). However, PRF explained 43.4% of the variance in performance among Asian/ Pacific Islanders ( $t [119] = 9.561, p = .000$ ), 40.7% of the variance in performance among Blacks ( $t [45] = 5.558, p = .000$ ), 39.0% of the variance in performance among Hispanics ( $t [581] = 19.273, p = .000$ ), 44.2% of the variance in performance among Whites ( $t [1382] = 33.097, p = .000$ ), and 36.7% of the performance among students in the Multi-Ethnic subgroup ( $t [70] = 6.371, p = .000$ ). For the Special Education subgroup, PRF scores explained 46.9% of the variance in OAKS performance,

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$t(317) = 16.725, p = .000$ . Among ELL, PRF scores explained 20.9% of the variance,  $t(137) = 6.021, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 42.2% of the variance in OAKS student performance. Among ethnic groups, MCRC explained 36.0% of the variance in performance among American Indian/Alaskan Natives ( $t[30] = 4.108, p = .000$ ), 39.3% of the variance in performance among Asian/ Pacific Islanders ( $t[180] = 10.792, p = .000$ ), 56.1% of the variance in performance among Blacks ( $t[66] = 9.184, p = .000$ ), 42.1% of the variance in performance among Hispanics ( $t[619] = 21.229, p = .000$ ), 37.2% of the variance in performance among Whites ( $t[2114] = 35.412, p = .000$ ), and 54.5% of the performance among students in the Multi-Ethnic subgroup ( $t[118] = 11.898, p = .000$ ). For the Special Education subgroup, MCRC scores explained 41.9% of the variance in OAKS performance,  $t(422) = 17.455, p = .000$ . Among ELL, MCRC scores explained 24.1% of the variance,  $t(142) = 6.712, p = .000$ .

**Vocabulary (VOC).** For the full sample, VOC scores accounted for 44.9% of the variance in OAKS student performance. Among ethnic groups, VOC explained 34.4% of the variance in performance among American Indian/Alaskan Natives ( $t[30] = 3.970, p = .000$ ), 34.4% of the variance in performance among Asian/ Pacific Islanders ( $t[80] = 6.480, p = .000$ ), 42.0% of the variance in performance among Blacks ( $t[36] = 5.107, p = .000$ ), 44.6% of the variance in performance among Hispanics ( $t[255] = 14.327, p = .000$ ), 43.6% of the variance in performance among Whites ( $t[1334] = 32.106, p = .000$ ), and 52.4% of the performance among students in the Multi-Ethnic subgroup ( $t[75] = 9.087, p = .000$ ). For the Special Education subgroup, VOC scores explained 42.9% of the variance in OAKS performance,  $t(297) = 14.926, p = .000$ . VOC

was not a reliable predictor of OAKS performance for ELL when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [54] = 2.601, p = .012$ ).

### **Grade 7 Winter.**

**Passage Reading Fluency (PRF).** For the full sample, PRF scores accounted for 46.6% of the variance in OAKS student performance. Among ethnic groups, PRF explained 54.4% of the variance in performance among American Indian/Alaskan Natives ( $t [16] = 4.374, p = .000$ ), 51.2% of the variance in performance among Asian/ Pacific Islanders ( $t [121] = 11.269, p = .000$ ), 37.7% of the variance in performance among Blacks ( $t [46] = 5.277, p = .000$ ), 41.4% of the variance in performance among Hispanics ( $t [585] = 20.327, p = .000$ ), 44.1% of the variance in performance among Whites ( $t [1393] = 33.139, p = .000$ ), and 42.1% of the performance among students in the Multi-Ethnic subgroup ( $t [67] = 6.983, p = .000$ ). For the Special Education subgroup, PRF scores explained 50.3% of the variance in OAKS performance,  $t (298) = 17.369, p = .000$ . Among ELL, PRF scores explained 28.8% of the variance,  $t (134) = 7.353, p = .000$ .

**Multiple Choice Reading Comprehension (MCRC).** For the full sample, MCRC scores accounted for 36.7% of the variance in OAKS student performance. Among ethnic groups, MCRC was not a reliable predictor of OAKS performance for American Indian/Alaskan Natives when a critical alpha level criterion of  $p < .001$  for rejecting the null hypothesis was applied ( $t [14] = 1.057, p = .308$ ). However, it explained 34.0% of the variance in performance among Asian/ Pacific Islanders ( $t [118] = 7.805, p = .000$ ), 26.4% of the variance in performance among Blacks ( $t [44] = 6.695, p = .000$ ), 37.7% of the variance in performance among Hispanics ( $t [530] = 33.136, p = .000$ ), 31.1% of the variance in performance among Whites ( $t [1226] = 23.527, p = .000$ ), and 43.1% of the performance among students in the Multi-Ethnic subgroup ( $t [60] =$

6.735,  $p = .000$ ). For the Special Education subgroup, MCRC scores explained 41.3% of the variance in OAKS performance,  $t(244) = 13.115$ ,  $p = .000$ . Among ELL, MCRC scores explained 34.4% of the variance,  $t(115) = 7.759$ ,  $p = .000$ .

**Summary.** In general, across grades 3-7, easyCBM measures (PRF, MCRC, and VOC) accounted for moderate variance in performance on the Spring OAKS reading measure (fall  $r^2$  range = .304-.502; winter  $r^2$  range = .194-.466). These relationships, for the most part, were weaker when winter scores were used in the predictive model, compared with fall scores. Across time points, PRF and VOC were the strongest predictors of OAKS performance, accounting for 45-50% of the variance. Although easyCBM measures reliably explained variance in OAKS performance among ethnic subgroups and students in special education, the predictive models (across measures and time points) for ELL students were weaker.

### **Construct Validity**

In this section we report on relationships among easyCBM measures. We present correlational findings by season (fall and spring time points) using scores from the full grade-level samples. In grades 4-7, we hypothesized that a 3-factor model, with PRF, MCRC, and Vocabulary, would best characterize the internal structure of the data. In grade 3, we hypothesized that WRF would be a related, but distinguishable factor, yielding a 4-factor model of reading performance (see Figures 1 & 2). Item-level information was included for MCRC only; all other scores in the models were raw score totals. Bivariate correlations are reported in Tables 198-202, pp. 186-195; correlations among confirmatory factor analysis model variables and fit indices are reported in Tables 426-446, pp. 569-574.

**Grade 3.** Across fall, winter, and spring, scores on WRF are highly, and positively, related ( $r$  range= .91-.92). PRF scores were also highly, and positively, related across time points ( $r$  =.89-.91). The MCRC correlation was identical between fall, winter, and spring ( $r$  = .57). Fall and Spring Vocabulary were moderately correlated ( $r$  =.72).

Correlations among easyCBM measures were moderate to high, ranging from .72-.92 for fall and .56-.88 for spring. Using the criterion of CFI and TLI >.95 and RMSEA < .05 (Yu, 2002), our CFA results indicated that a 4-factor model (WRF, PRF, MCRC, & Vocabulary) adequately fit the data, both for fall (CFI=.993, TLI=.996, RMSEA =.021) and spring (CFI=.992, TLI=.995, RMSEA =.024).

**Grade 4.** Across fall, winter, and spring, PRF scores were highly related across time points ( $r$  =.88-.90). MCRC was less correlated across time points ( $r$  range= .61-.64). Fall and spring Vocabulary were moderately correlated ( $r$  =.71).

Correlations among easyCBM measures were moderately high, ranging from .71-.76 for fall and .60-.63 for spring. Using the criterion of CFI and TLI >.95 and RMSEA < .05 (Yu, 2002), our CFA results indicated that a 3-factor model (PRF, MCRC, & Vocabulary) adequately fit the data, both for fall (CFI=.973, TLI=.985, RMSEA =.023) and spring (CFI=.972, TLI=.985, RMSEA =.025).

**Grade 5.** Across fall, winter, and spring, PRF scores were highly related across time points ( $r$  =.89-.91). MCRC was less correlated across time points ( $r$  range= .55-.64). Fall and Spring Vocabulary were moderately correlated ( $r$  =.75).

Correlations among easyCBM measures were moderate, ranging from .65-.73 for fall and .56-.64 for spring. Using the criterion of CFI and TLI >.95 and RMSEA < .05 (Yu, 2002), our CFA results indicated that a 3-factor model (PRF, MCRC, & Vocabulary) adequately fit the data,

both for fall (CFI=.973, TLI=.985, RMSEA =.023) and spring (CFI=.972, TLI=.985, RMSEA =.025).

**Grade 6.** Across fall, winter, and spring, the PRF correlation was identical ( $r = .88$ ). MCRC was less correlated across time points ( $r$  range= .53-.54). Fall and spring Vocabulary were moderately correlated ( $r = .73$ ).

Correlations among easyCBM measures were moderate, ranging from .59-.66 for fall and .57-.65 for spring. Using the criterion of CFI and  $TLI > .95$  and  $RMSEA < .05$  (Yu, 2002), our CFA results indicated that a 3-factor model (PRF, MCRC, & Vocabulary) adequately fit the data, both for fall (CFI=.952, TLI=.969, RMSEA =.025) and spring (CFI=.964, TLI=.977, RMSEA =.023).

**Grade 7.** Across fall, winter, and spring, PRF scores were highly, and positively, related across time points ( $r = .89-.91$ ). MCRC was less correlated across time points ( $r$  range= .50-.55). Fall and spring Vocabulary were moderately correlated ( $r = .70$ ).

Correlations among easyCBM measures were moderate, ranging from .54-.65 for fall, and .38-.62 for Spring. Using the criterion of CFI and  $TLI > .95$  and  $RMSEA < .05$  (Yu, 2002), our CFA results indicated that a 3-factor model (PRF, MCRC, & Vocabulary) adequately fit the data, both for fall (CFI=.952, TLI=.969, RMSEA =.025) and spring (CFI=.964, TLI=.977, RMSEA =.023).

**Summary.** In general, PRF and VOC scores displayed high stability across time points and grades, yielding correlations between .88-.91 for PRF and .70-.75 for Vocabulary across all grades. MCRC scores were lower, but consistent, across time points and grades, yielding correlations between .50-.64. Correlations among easyCBM measures were consistently moderate, ranging from .56-.92 in 3<sup>rd</sup> grade, .60-.76 in 4<sup>th</sup> grade, .56-.73 in 5<sup>th</sup> grade, .57-.66 in

6<sup>th</sup> grade, and .38-.65 in 7<sup>th</sup> grade. At all grades, our hypothesized models (i.e., a 4-factor model in third grade, and a 3-factor model in fourth-seventh grades) of reading proficiency adequately fit the data.

### **Predictive Validity of Slope**

In this section we report on findings related to the validity of easyCBM yearly growth rate. Groups that declined to reveal their ethnicity and with small sample sizes (i.e.,  $n < 30$ ) were not reported. Results are presented in grade-based quartiles, reflecting lowest performance in quartile 1 and highest performance in quartile 4. The predictive validity coefficient was obtained by correlating level 2 (student) residuals from the HLM models with OAKS performance. See Tables 410-425, pp. 553-568.

**Grade 3.** For WRF, the first quartile group was the only group with a moderate rate of growth ( $r = .50$ ). Other quartiles had low correlations between the WRF slope random effect with OAKS (2<sup>nd</sup> quartile  $r = .07$ , 3<sup>rd</sup> quartile  $r = -.07$ , 4<sup>th</sup> quartile  $r = .18$ ). The results for PRF were similar: moderate rate of growth among students in the first quartile ( $r = .58$ ), and lower correlations between the slope random effect and OAKS performance (2<sup>nd</sup> quartile  $r = .33$ , 3<sup>rd</sup> quartile  $r = .26$ , 4<sup>th</sup> quartile  $r = .36$ ). Due to issues with model convergence, results for White students in the fourth quartile were not reported. For the MCRC measure, rate of growth among students across quartiles was strikingly similar (1<sup>st</sup> quartile  $r = .56$ , 2<sup>nd</sup> quartile  $r = .58$ , 3<sup>rd</sup> quartile  $r = .58$ , 4<sup>th</sup> quartile  $r = .46$ ).

**Grade 4.** For PRF, the first quartile group was the only group with a moderate rate of growth ( $r = .54$ ). Other quartiles had lower correlations between the PRF slope random effect with OAKS (2<sup>nd</sup> quartile  $r = .28$ , 3<sup>rd</sup> quartile  $r = .27$ , 4<sup>th</sup> quartile  $r = .16$ ). Due to issues with

model convergence, results for Black students in the fourth quartile were not reported. For the MCRC measure, rate of growth among students across quartiles was strikingly similar (1<sup>st</sup> quartile  $r = .53$ , 2<sup>nd</sup> quartile  $r = .54$ , 3<sup>rd</sup> quartile  $r = .48$ , 4<sup>th</sup> quartile  $r = .48$ ).

**Grade 5.** For PRF, the first quartile group was the only group with a moderate rate of growth ( $r = .47$ ). Other quartiles had lower correlations between the PRF slope random effect with OAKS (2<sup>nd</sup> quartile  $r = .24$ , 3<sup>rd</sup> quartile  $r = .22$ , 4<sup>th</sup> quartile  $r = .32$ ). Due to issues with model convergence, results for Asian students in the 3<sup>rd</sup> quartile were not reported. For the MCRC measure, rate of growth among students across quartiles was highest for the first quartile ( $r = .61$ ) and lower for the other quartiles (2<sup>nd</sup> quartile  $r = .52$ , 4<sup>th</sup> quartile  $r = .45$ ). Due to issues with model convergence, results for all students (i.e., the full sample) in the third quartile were not reported.

**Grade 6.** For PRF, the first quartile group was the only group with a moderate rate of growth ( $r = .51$ ). Other quartiles had lower correlations between the PRF slope random effect with OAKS (2<sup>nd</sup> quartile  $r = .27$ , 3<sup>rd</sup> quartile  $r = .27$ , 4<sup>th</sup> quartile  $r = .35$ ). For the MCRC measure, rate of growth among students across quartiles was strikingly similar (1<sup>st</sup> quartile  $r = .60$ , 2<sup>nd</sup> quartile  $r = .58$ , 3<sup>rd</sup> quartile  $r = .46$ , 4<sup>th</sup> quartile  $r = .42$ ).

**Grade 7.** For PRF, the first quartile group was the only group with a moderate rate of growth ( $r = .58$ ). Other quartiles had lower correlations between the PRF slope random effect with OAKS (2<sup>nd</sup> quartile  $r = .37$ , 3<sup>rd</sup> quartile  $r = .32$ , 4<sup>th</sup> quartile  $r = .38$ ). For the MCRC measure, rate of growth among students across quartiles was highest for the first quartile ( $r = .63$ ) and lower for the other quartiles (2<sup>nd</sup> quartile  $r = .54$ , 3<sup>rd</sup> quartile  $r = .50$ , 4<sup>th</sup> quartile  $r = .46$ ). Due to issues with model convergence, results for American Indian/Alaskan Native students in the second quartile were not reported.



**Summary.** In general, rate of growth on the PRF ranged from .22-.58. MCRC rate of growth was slightly higher, ranging from .42-.63. Within quartiles across grades 3-7, predictive validity coefficients were fairly similar, with results from the 1<sup>st</sup> quartile reflecting the most growth, and students in the fourth quartile second. Students in the second and third quartile yielded stable, but lower, growth than either of the other quartiles.

### **Discussion**

In this series of studies we aimed to answer the following research questions: 1) What is the practical utility of easyCBM measurement for instructional decision-making? 2) To what extent is the Multiple Choice Reading Comprehension (MCRC) measure reliable? 3) To what extent can easyCBM measures validly predict student performance on the Oregon state assessment in reading (OAKS)? We will briefly address our conclusions regarding each of these below. As a general note, in analyses that involved growth, VOC measure performance was excluded due to insufficient time point data for estimating growth (i.e., because it was administered during fall and spring only).

To assess the practical utility of the Passage Reading Fluency and MCRC measures we explored optimal yearly growth rates across performance quartiles in grades 3-7. In general, growth rates obtained from PRF performance tended to be higher among students in the third and fourth quartiles, reflecting typical growth associated with good readers, except at grade 5. Growth rates associated with MCRC revealed an opposite pattern (i.e., high achievers yielded lower growth rates), except at grade 3, which may reflect greater instructional attention to comprehension skill building among poor readers. However, the sample size of students in the first quartile (below 25th percentile) who actually passed the OAKS and students in the fourth quartile (above 75th percentile) who actually failed to meet the OAKS standard was low, which

may have negatively impacted our results. Despite of this limitation, our findings provide important information about students in the second quartile, who are often considered to be in “the gray zone”.

We also examined the average performance on the PRF, MCRC, and VOC measures by OAKS performance level (i.e., students who did and did not pass the OAKS state test) by grade and time-point. In general, across all seasonal time points, students who met or exceeded OAKS standards had statistically significant higher PRF, MCRC, and VOC scores than students who did not. We also inspected the correct classification, positive and negative predictive power estimates associated with our cut-points, which were selected to have sensitivity and specificity at .70 or above. The positive predictive power, or the probability of correctly identifying students do not pass the OAKS test given a score below our selected cut-point, was moderate, ranging from .24-.59. The negative predictive power, or the probability of correctly identifying who pass the OAKS state test given a score above our designated cut-point, was consistently high across grades, ranging from .90-.98. Combined, these findings suggest that our easyCBM measures adequately identify students who are likely to pass the OAKS state test. However, more work is needed to bolster the positive predictive power of these measures in order to better identify students at risk for not passing the OAKS. The overall correct classification proportions found indicate relative strengths in classifying students in grades 3-4, particularly for PRF and VOC (range =.81-.91). The probability of correctly classifying students declines in grades 5-7, although remaining above .75 (except for grade 3 MCRC performance).

To assess MCRC reliability, we inspected both Cronbach’s alpha coefficients and split-half coefficients for evidence of internal consistency. In general, the split-half reliability coefficients found mirrored the Cronbach’s alpha coefficients, but were lower in magnitude and

broader in range. Internal consistency was moderate for fall and spring, less so for winter. Across ethnic groups within grades 3-7, coefficients were fairly consistent, with no particular ethnic group demonstrating a distinct performance advantage overall.

We also examined the reliability of growth slopes obtained from performance on PRF and MCRC. In general, the reliability of slope was low to moderate for students falling into the first and fourth quartiles (i.e., the lowest and highest performers). Reliability was better for students in the second and third performance quartiles. These results highlight the challenge in adequately estimating growth among extreme readers (i.e., the lowest and highest performers), who may be less likely to demonstrate linear growth.

We assessed the issue of validity by examining how well the WRF (in third grade), PRF, MCRC, and VOC measures predicted performance on the OAKS test across grades 3-7. In general, spring PRF and VOC scores were the best concurrent predictors of OAKS performance. When fall and winter time points were also examined, fall PRF and VOC scores were the best predictors of OAKS performance, accounting for approximately half of the variance in performance. The results from our subgroup analyses suggest that these easyCBM measures reliably predict performance on the OAKS state test for students in special education and with varying ethnic backgrounds. However, the prediction models were less conclusive regarding English Language Learner (ELL) students.

In addition, we examined the interrelationships among the easyCBM measures in order to assess how well measurement using these tests reflects what is presently known regarding reading-related skills. That is, consistent with current understandings of reading sub-skills (e.g., the National Reading Panel report; NICHD, 2000), we hypothesized that PRF, MCRC, and VOC would be related, but also independent, contributors to reading performance. Consequently, we

examined correlations among the measures across time-points within grades. In general, PRF and VOC scores displayed the highest stability across time-points, and this held across grade levels (e.g.,  $r$  range for PRF = .88-.91 and VOC = .70-.75). MCRC scores were consistent, as well, but, in general, lower (e.g.,  $r$  range = .50-.64). Correlations among the measures revealed moderate relationships (e.g., .56-.92 for all grades except seventh, in which the range = .38-.65). Thus, although related, these measures appear to also tap different reading skills. To test this, we ran grade-level confirmatory factor analyses in which PRF, MCRC, and VOC were modeled as part of a 3-factor structure (in grade 3, we also included WRF for a 4-factor model). At all grades our hypothesized models adequately fit the data underscoring the related, but unique, skill measurement involved with using easyCBM (i.e., fluency, reading comprehension, and use of vocabulary knowledge).

Our final set of analyses involved examining the validity of growth rates (i.e., slope) found for the PRF and MCRC measures across all students and within quartiles by ethnic groups. In general, rate of growth was positive and moderate across grade levels for both measures. Within quartiles across grades, the predictive validity coefficients were fairly similar, reflecting the greatest growth among students in the first and fourth quartiles. Students in the second and third quartile yielded stable, but lower, growth. However, we were limited in our ability to conclusively evaluate these results as a consequence of small sample sizes within ethnic groups at each quartile across grades.

In spite of the aforementioned limitations, our results highlight the ways in which easyCBM measures can help identify students with weak fluency, reading comprehension, and vocabulary skills. Particularly for schools interested in targeting interventions for students not likely to pass the state test, these results suggest that fall predictions of passing the OAKS using

easyCBM measures may reliably and validly support early identification efforts. Although these findings are preliminary, combined, they point to a promising direction for future research and rationale for school use across grades 3-7.

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**Tables****Table 1*****Grade 3 Average Yearly Growth Estimates for PRF by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	541	12.313	17.903	14.81236	.780480
Valid N (listwise)	541				
Quartile 2 ectime	512	14.841	18.102	16.17178	.527835
Valid N (listwise)	512				
Quartile 3 ectime	529	15.450	19.118	17.18626	.578609
Valid N (listwise)	529				
Quartile 4 ectime	711	12.790	22.829	18.16644	1.710618
Valid N (listwise)	711				

**Table 2*****Grade 3 Average Yearly Growth Estimates for MCRC by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	636	1.369	1.682	1.53482	.054331
Valid N (listwise)	636				
Quartile 2 ectime	508	1.439	1.693	1.57688	.052171
Valid N (listwise)	508				
Quartile 3 ectime	624	1.483	1.700	1.61505	.039909
Valid N (listwise)	624				
Quartile 4 ectime	525	1.424	1.710	1.62652	.053888
Valid N (listwise)	525				

**Table 3*****Grade 4 Average Yearly Growth Estimates for PRF by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	557	5.392	20.278	12.74738	2.108781
Valid N (listwise)	557				
Quartile 2 ectime	535	10.382	21.382	14.99620	1.688325
Valid N (listwise)	535				
Quartile 3 ectime	527	11.390	22.348	16.98184	1.842031
Valid N (listwise)	527				
Quartile 4 ectime	565	9.920	29.819	19.04853	2.293401
Valid N (listwise)	565				

**Table 4*****Grade 4 Average Yearly Growth Estimates for MCRC by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	608	.831	1.808	1.21937	.149946
Valid N (listwise)	608				
Quartile 2 ectime	463	.675	1.225	.95569	.088626
Valid N (listwise)	463				
Quartile 3 ectime	687	.282	.990	.70323	.096359
Valid N (listwise)	687				
Quartile 4 ectime	426	.243	1.181	.49039	.109506
Valid N (listwise)	426				

**Table 5**  
***Grade 5 Average Yearly Growth Estimates for PRF by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	559	9.322	16.599	12.20416	.933084
Valid N (listwise)	559				
Quartile 2 ectime	600	8.709	14.650	11.01876	.771945
Valid N (listwise)	600				
Quartile 3 ectime	564	8.009	12.916	10.26264	.718369
Valid N (listwise)	564				
Quartile 4 ectime	597	4.909	12.331	8.66082	1.113940
Valid N (listwise)	597				

**Table 6**  
***Grade 5 Average Yearly Growth Estimates for MCRC by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	643	.240	1.121	.56664	.161306
Valid N (listwise)	643				
Quartile 2 ectime	524	.183	.856	.34867	.088147
Valid N (listwise)	524				
Quartile 3 ectime	691	.124	.695	.26268	.076783
Valid N (listwise)	691				
Quartile 4 ectime	462	.028	1.000	.18386	.079600
Valid N (listwise)	462				

**Table 7**  
***Grade 6 Average Yearly Growth Estimates for PRF by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	274	-1.722	17.673	7.34687	3.309384
Valid N (listwise)	274				
Quartile 2 ectime	283	4.395	19.745	10.95150	2.695266
Valid N (listwise)	283				
Quartile 3 ectime	287	4.575	22.975	13.63633	2.830298
Valid N (listwise)	287				
Quartile 4 ectime	293	1.516	30.172	16.77032	3.682697
Valid N (listwise)	293				

**Table 8**  
***Grade 6 Average Yearly Growth Estimates for MCRC by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	281	.121	.390	.22105	.047080
Valid N (listwise)	281				
Quartile 2 ectime	396	.095	.224	.14895	.024101
Valid N (listwise)	396				
Quartile 3 ectime	181	.084	.220	.12368	.019534
Valid N (listwise)	181				
Quartile 4 ectime	279	.045	.254	.10415	.024359
Valid N (listwise)	279				

**Table 9**  
***Grade 7 Average Yearly Growth Estimates for PRF by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	560	-3.982	6.968	1.10329	1.353772
Valid N (listwise)	560				
Quartile 2 ectime	558	.613	7.477	3.12999	.753312
Valid N (listwise)	558				
Quartile 3 ectime	542	2.625	7.034	4.66261	.840596
Valid N (listwise)	542				
Quartile 4 ectime	612	-2.012	11.747	6.43531	1.705803
Valid N (listwise)	612				

**Table 10**  
***Grade 7 Average Yearly Growth Estimates for MCRC by Quartile***

	N	Minimum	Maximum	Mean	Std. Deviation
Quartile 1 ectime	540	-.728	.449	-.26631	.219101
Valid N (listwise)	540				
Quartile 2 ectime	641	-.905	.051	-.59193	.145453
Valid N (listwise)	641				
Quartile 3 ectime	505	-1.042	-.390	-.75778	.120725
Valid N (listwise)	505				
Quartile 4 ectime	586	-1.153	.657	-.81604	.262645
Valid N (listwise)	586				

**Table 11*****Grade 3 Average Yearly Growth Estimates for PRF by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	252	12.313	18.712	14.54262	1.043369
	Valid N (listwise)	252				
Pass	ectime	2041	13.027	22.829	16.97039	1.542680
	Valid N (listwise)	2041				

**Table 12*****Grade 3 Average Yearly Growth Estimates for MCRC by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	Ectime	252	1.369	1.653	1.50405	.047664
	Valid N (listwise)	252				
Pass	Ectime	2041	1.369	1.710	1.59721	.055776
	Valid N (listwise)	2041				

**Table 13*****Grade 4 Average Yearly Growth Estimates for PRF by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	221	5.392	19.383	12.05560	2.371535
	Valid N (listwise)	221				
Pass	ectime	1963	8.477	29.819	16.38860	2.852518
	Valid N (listwise)	1963				

**Table 14*****Grade 4 Average Yearly Growth Estimates for MCRC by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	221	.702	1.741	1.20016	.202504
	Valid N (listwise)	221				
Pass	ectime	1963	.243	1.808	.82051	.275509
	Valid N (listwise)	1963				

**Table 15*****Grade 5 Average Yearly Growth Estimates for PRF by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	384	7.779	16.599	11.88985	1.213367
	Valid N (listwise)	384				
Pass	ectime	1936	4.909	15.130	10.24087	1.486073
	Valid N (listwise)	1936				

**Table 16*****Grade 5 Average Yearly Growth Estimates for MCRC by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	384	.178	1.121	.60289	.173547
	Valid N (listwise)	384				
Pass	ectime	1936	.028	1.033	.30062	.134765
	Valid N (listwise)	1936				

**Table 17*****Grade 6 Average Yearly Growth Estimates for PRF by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	267	-1.722	24.508	8.31210	4.079684
	Valid N (listwise)	267				
Pass	ectime	870	1.516	30.172	13.47162	4.158336
	Valid N (listwise)	870				

**Table 18*****Grade 6 Average Yearly Growth Estimates for MCRC by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	267	.075	.390	.21079	.055506
	Valid N (listwise)	267				
Pass	ectime	870	.045	.363	.13363	.036772
	Valid N (listwise)	870				

**Table 19*****Grade 7 Average Yearly Growth Estimates for PRF by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	486	-3.982	7.858	1.64312	1.898614
	Valid N (listwise)	486				
Pass	ectime	1786	-1.685	11.747	4.49685	2.063515
	Valid N (listwise)	1786				

**Table 20*****Grade 7 Average Yearly Growth Estimates for MCRC by OAKS Performance Level Classification***

		N	Minimum	Maximum	Mean	Std. Deviation
No Pass	ectime	486	-.968	.657	-.27681	.265884
	Valid N (listwise)	486				
Pass	ectime	1786	-1.153	.333	-.69965	.217474
	Valid N (listwise)	1786				



**Table 21*****Grade 3-7 PRF Optimal Yearly Growth Cut Scores for Predicting OAKS Performance Classification Level***

Grade	Mean Growth	Yearly growth cut score			
		Quartile 1	Quartile 2	Quartile 3	Quartile 4
3	16.70	14.77 (0.69, 0.68)	16.00 (0.66, 0.66)	17.03 (0.58, 0.50)	16.36 (0.90, 0.89)
4	15.95	12.36 (0.69, 0.69)	14.22 (0.70, 0.70)	15.97 (0.73, 0.73)	18.98 (0.50, 0.50)
5	10.51	12.16 (0.41, 0.40)	11.06 (0.49, 0.48)	10.14 (0.56, 0.56)	9.19 (0.30, 0.27)
6	12.26	7.56 (0.65, 0.64)	10.82 (0.57, 0.56)	12.71 (0.64, 0.60)	15.79 (0.64, 0.62)
7	3.89	1.19 (0.67, 0.65)	2.90 (0.69, 0.65)	4.33 (0.65, 0.66)	5.65 (0.79, 0.76)

*Note.* Values in parenthesis indicate sensitivity and specificity, respectively, associated with derived optimal growth cut-scores.

**Table 22*****Grade 3-7 MCRC Optimal Yearly Growth Cut Scores for Predicting OAKS Performance Level Classification***

Grade	Mean Growth	Yearly growth cut score			
		Quartile 1	Quartile 2	Quartile 3	Quartile 4
3	1.59	1.52 (0.72, 0.72)	1.56 (0.72, 0.70)	1.56 (0.90, 0.90)	1.57 (0.91, 0.89)
4	0.86	1.22 (0.43, 0.43)	0.97 (0.45, 0.42)	0.74 (0.34, 0.33)	0.76 (1.00, 0.00)
5	0.35	0.55 (0.27, 0.27)	0.38 (0.25, 0.24)	0.30 (0.23, 0.23)	0.23 (0.18, 0.13)
6	0.15	0.20 (0.26, 0.26)	0.16 (0.28, 0.28)	0.13 (0.35, 0.33)	0.12 (0.21, 0.25)
7	-0.61	-0.29 (0.26, 0.25)	-0.55 (0.27, 0.27)	-0.70 (0.26, 0.21)	-0.75 (0.14, 0.14)

*Note.* Values in parenthesis indicate sensitivity and specificity, respectively, associated with derived optimal growth cut-scores.

**Table 23**  
*Grade 3 Total Area Under Curve (AUC) Estimate for PRF by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.769	.022	.000	.726	.811
Quartile 2	.754	.043	.000	.669	.839
Quartile 3	.537	.114	.753	.313	.761
Quartile 4	.970	.008	.000	.955	.985

**Table 24**  
*Grade 3 Total Area Under Curve (AUC) Estimate for MCRC by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.796	.020	.000	.757	.835
Quartile 2	.784	.032	.000	.721	.847
Quartile 3	.966	.013	.000	.940	.992
Quartile 4	.957	.010	.000	.937	.977

**Table 25**  
*Grade 4 Total Area Under Curve (AUC) Estimate for PRF by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.767	.023	.000	.723	.812
Quartile 2	.779	.037	.000	.707	.852
Quartile 3	.774	.071	.002	.635	.913
Quartile 4	.627	.119	.379	.393	.861

**Table 26**  
*Grade 4 Total Area Under Curve (AUC) Estimate for MCRC by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.393	.025	.000	.343	.443
Quartile 2	.430	.051	.191	.329	.531
Quartile 3	.263	.049	.015	.166	.360
Quartile 4	.000	.000	.084	.000	.000

**Table 27**  
*Grade 5 Total Area Under Curve (AUC) Estimate for PRF by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.380	.024	.000	.333	.426
Quartile 2	.490	.034	.783	.424	.557
Quartile 3	.594	.055	.111	.485	.703
Quartile 4	.215	.078	.001	.063	.368

**Table 28**  
*Grade 5 Total Area Under Curve (AUC) Estimate for MCRC by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.186	.017	.000	.153	.218
Quartile 2	.153	.023	.000	.108	.198
Quartile 3	.138	.030	.000	.078	.197
Quartile 4	.069	.031	.000	.008	.130

**Table 29**  
*Grade 6 Total Area Under Curve (AUC) Estimate for PRF by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error <sup>a</sup>	Asymptotic Sig. <sup>b</sup>	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.712	.031	.000	.652	.773
Quartile 2	.598	.042	.017	.516	.680
Quartile 3	.674	.048	.002	.580	.768
Quartile 4	.674	.076	.034	.525	.823

**Table 30**  
*Grade 6 Total Area Under Curve (AUC) Estimate for MCRC by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.205	.027	.000	.152	.258
Quartile 2	.199	.029	.000	.142	.257
Quartile 3	.268	.088	.003	.096	.441
Quartile 4	.198	.064	.000	.072	.324

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**Table 31**  
*Grade 7 Total Area Under Curve (AUC) Estimate for PRF by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.722	.021	.000	.681	.764
Quartile 2	.694	.027	.000	.640	.747
Quartile 3	.668	.044	.000	.581	.754
Quartile 4	.850	.038	.000	.775	.924

**Table 32**  
*Grade 7 Total Area Under Curve (AUC) Estimate for MCRC by Quartile*

Test Result Variable(s):ectime

	Area	Std. Error	Asymptotic Sig.	Asymptotic 95% Confidence Interval	
				Lower Bound	Upper Bound
Quartile 1	.183	.018	.000	.148	.218
Quartile 2	.208	.023	.000	.163	.253
Quartile 3	.147	.031	.000	.085	.208
Quartile 4	.077	.020	.000	.038	.116

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**Table 33**  
*Grades 3- 7 Total Sample Student Characteristics for Diagnostic Efficiency Analyses*

District 1													
Grade	n	% ELL	% FRL	% SPED	Gender		% Ethnicity						Decline/ Missing
					% M	% F	AI/AN	Asian/Pac Islander	Black	Hispanic	White	Multi	
3	1261	4.4	46.1	15.9	52.8	47.2	1.7	4.6	2.5	10.2	75.8	3.2	1.9
4	1254	4.0	46.0	17.4	50.7	49.3	2.0	4.2	2.9	12.3	72.4	4.9	1.4
5	1312	3.5	44.7	17.4	51.7	48.3	1.8	5.3	2.7	10.3	73.3	4.0	2.7
6	1209	4.0	41.9	18.7	50.6	49.4	2.8	2.3	2.9	10.1	73.8	3.2	1.9
7	1219	2.6	40.7	15.6	47.5	52.5	1.5	5.7	2.8	10.5	72.8	4.8	2.1
8	1249	2.0	40.0	14.0	50.2	49.8	1.0	4.6	2.9	11.2	71.5	2.1	3.8
District 2													
3	825	1.1	65.2	17	51.0	49	1.7	2.1	1.5	20.3	70.1	2.4	1.9
4	772	0.0	66.3	19.9	57.5	42.5	2.5	1.9	1.7	17.8	69.9	4.3	1.9
5	830	1.3	63.0	19.3	51.8	48.2	2.5	2.3	1.6	17.5	71.1	4.3	0.7
6	809	1.5	60.7	16.9	49.6	50.4	2.7	1.5	1.7	15.5	73.7	3.7	1.1
7	697	3.0	59.0	16.1	52.5	47.5	2.3	1.7	1.1	19.5	70.7	2.8	1.9
8	806	1.9	57.2	15.5	52.1	47.9	1.4	1.4	2.2	16.8	73.2	3.0	2.1
District 3													
3	1632	18.7	--	13.7	51.6	48.4	0.4	6.9	1.9	33.8	52.1	1.5	30.3
4	1491	15.2	--	12.5	51.7	48.3	0.7	7.7	2.2	34.8	50.0	1.7	3.0
5	1584	13.8	--	13.4	53.0	47.0	1.0	7.9	3.1	33.8	49.7	0.9	3.6
6	1535	11.9	--	13.6	51.5	48.5	0.7	7.1	2.4	34.1	50.9	1.1	3.6
7	1592	8.1	--	12.9	51.3	48.7	0.0	7.1	2.2	29.7	56.7	2.9	1.4

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch. SPED = receives special education services. AI/AN = American Indian/Alaskan Native.

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**Table 34**

*Grades 3- 7 Passage Reading Fluency (PRF), Multiple Choice Reading Comprehension (MCRC), and Vocabulary (VOC) Average Scores by OAKS Performance Level Classification- Fall, Winter, Spring*

Grade	Performance Level Classification	Average score								
		Fall			Winter			Spring		
		PRF	MCRC	VOC	PRF	MCRC	PRF	MCRC	VOC	
3	Does not meet	38.60	6.75	9.42	62.09	7.22	65.45	8.58	14.86	
	Meets or Exceeds	92.97	11.00	17.79	125.83	10.65	125.88	14.22	22.54	
4	Does not meet	69.52	7.01	9.88	85.86	8.74	90.17	8.60	13.07	
	Meets or Exceeds	115.78	12.62	16.80	139.68	13.97	148.80	14.17	20.31	
5	Does not meet	103.77	9.88	12.36	112.31	11.53	126.62	10.66	15.74	
	Meets or Exceeds	157.95	14.33	19.79	164.33	16.29	178.15	15.03	21.43	
6	Does not meet	106.27	10.48	10.85	119.15	10.07	119.86	11.31	11.65	
	Meets or Exceeds	152.19	15.07	16.26	168.30	13.78	178.40	15.41	17.50	
7	Does not meet	119.00	10.26	10.13	127.92	11.10	121.19	9.56	11.20	
	Meets or Exceeds	163.50	14.61	15.54	184.36	15.42	172.66	13.18	16.79	

*Note.* Mean difference for all measures within each grade is statistically significant,  $p < .05$ .

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**Table 35**

*Grades 3-7 Passage Reading Fluency (PRF), Multiple Choice Reading Comprehension (MCRC), and Vocabulary (VOC) Optimal Cut Score Diagnostic Efficiency Statistics- Fall, Winter, and Spring*

Measure		Cut score	Sensitivity	Specificity	Positive Predictive Power	Negative Predictive Power	Overall Correct Classification	Area Under the Curve
Grade 3								
Fall	PRF	60	0.81	0.92	0.59	0.97	0.91	0.90
	MCRC	9	0.70	0.74	0.24	0.95	0.73	0.81
	VOC	13	0.82	0.87	0.42	0.98	0.86	0.91
Winter	PRF	86	0.83	0.83	0.38	0.98	0.83	0.90
	MCRC	10	0.77	0.68	0.23	0.96	0.69	0.81
Spring	PRF	90	0.82	0.84	0.38	0.98	0.83	0.90
	MCRC	12	0.83	0.78	0.31	0.97	0.79	0.87
	VOC	20	0.82	0.88	0.46	0.98	0.88	0.94
Grade 4								
Fall	PRF	85	0.70	0.82	0.34	0.96	0.83	0.88
	MCRC	9	0.71	0.82	0.31	0.96	0.81	0.87
	VOC	13	0.78	0.85	0.37	0.97	0.84	0.90
Winter	PRF	110	0.81	0.82	0.33	0.97	0.82	0.89
	MCRC	12	0.80	0.79	0.31	0.97	0.79	0.87
Spring	PRF	115	0.79	0.81	0.32	0.97	0.81	0.88
	MCRC	12	0.80	0.80	0.31	0.97	0.80	0.89
	VOC	18	0.83	0.83	0.36	0.98	0.83	0.90
Grade 5								
Fall	PRF	128	0.79	0.79	0.43	0.95	0.79	0.88
	MCRC	13	0.78	0.80	0.44	0.95	0.79	0.85
	VOC	17	0.84	0.83	0.49	0.96	0.83	0.91
Winter	PRF	134	0.78	0.78	0.41	0.95	0.78	0.87
	MCRC	15	0.76	0.82	0.46	0.94	0.81	0.88
Spring	PRF	152	0.76	0.78	0.41	0.94	0.77	0.87
	MCRC	14	0.75	0.82	0.46	0.94	0.81	0.87
	VOC	19	0.75	0.85	0.49	0.95	0.83	0.89



easyCBM Technical Adequacy  
Practical Utility

Measure	Cut score	Sensitivity	Specificity	Positive Predictive Power	Negative Predictive Power	Overall Correct Classification	Area Under the Curve	
Grade 6								
Fall	PRF	128	0.76	0.76	0.50	0.91	0.76	0.83
	MCRC	14	0.76	0.79	0.47	0.93	0.79	0.84
	VOC	13	0.72	0.82	0.47	0.93	0.80	0.83
Winter	PRF	141	0.71	0.78	0.49	0.90	0.77	0.86
	MCRC	13	0.70	0.77	0.47	0.90	0.76	0.82
Spring	PRF	146	0.74	0.77	0.52	0.90	0.76	0.84
	MCRC	14	0.70	0.82	0.48	0.92	0.80	0.83
	VOC	14	0.72	0.84	0.51	0.93	0.82	0.87
Grade 7								
Fall	PRF	133	0.71	0.81	0.52	0.91	0.79	0.85
	MCRC	13	0.75	0.79	0.43	0.94	0.78	0.85
	VOC	12	0.70	0.82	0.41	0.94	0.80	0.81
Winter	PRF	154	0.79	0.77	0.49	0.93	0.77	0.85
	MCRC	14	0.73	0.83	0.53	0.92	0.81	0.85
Spring	PRF	141	0.71	0.81	0.54	0.90	0.79	0.84
	MCRC	12	0.72	0.78	0.41	0.93	0.77	0.84
	VOC	14	0.76	0.78	0.38	0.95	0.78	0.80

easyCBM Technical Adequacy  
Reliability

**Table 36**  
*Grade 3 Student Characteristics for Multiple Choice Reading Comprehension Internal Consistency Analyses*

	Fall09 MCRC		Winter10 MCRC		Spring10 MCRC	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1088	47.4%	1110	47.4%	1110	47.0%
Ethnicity						
American Indian/ Alaskan Native	45	2.0%	45	2.0%	45	1.9%
Asian/Pacific Islander	87	3.8%	88	3.8%	92	4.0%
Black	49	2.2%	49	2.1%	52	2.3%
Hispanic	385	17.1%	394	17.1%	385	16.7%
White	1559	69.2%	1587	69.0%	1589	69.2%
Multi-Ethnic	93	4.1%	98	4.3%	96	4.2%
Special Education	400	17.5%	414	17.7%	414	17.5%
English Language Learner	102	4.4%	105	4.5%	97	4.1%

easyCBM Technical Adequacy  
Reliability

**Table 37**  
*Grade 4 Student Characteristics for Multiple Choice Reading Comprehension Internal Consistency Analyses*

	Fall09 MCRC		Winter10 MCRC		Spring10 MCRC	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1212	49.1%	1207	48.8%	1189	48.5%
Ethnicity						
American Indian/ Alaskan Native	47	1.9%	48	2.0%	49	2.0%
Asian/Pacific Islander	99	4.1%	107	4.4%	104	4.3%
Black	52	2.1%	56	2.3%	56	2.3%
Hispanic	433	17.8%	403	16.5%	383	15.9%
White	1668	68.6%	1689	69.2%	1673	69.6%
Multi-Ethnic	90	3.7%	91	3.7%	89	3.6%
Special Education	440	17.8%	441	17.8%	434	17.7%
English Language Learner	117	4.7%	109	4.4%	97	4.0%

easyCBM Technical Adequacy  
Reliability

**Table 38**  
*Grade 5 Student Characteristics for Multiple Choice Reading Comprehension Internal Consistency Analyses*

	Fall09 MCRC		Winter10 MCRC		Spring10 MCRC	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1212	49.1%	1207	48.8%	1189	48.5%
Ethnicity						
American Indian/ Alaskan Native	47	1.9%	48	2.0%	49	2.0%
Asian/Pacific Islander	99	4.1%	107	4.4%	104	4.3%
Black	52	2.1%	56	2.3%	56	2.3%
Hispanic	433	17.8%	403	16.5%	383	15.9%
White	1668	68.6%	1689	69.2%	1673	69.6%
Multi-Ethnic	90	3.7%	91	3.7%	89	3.6%
Special Education	440	17.8%	441	17.8%	434	17.7%
English Language Learner	117	4.7%	109	4.4%	97	4.0%

easyCBM Technical Adequacy  
Reliability

**Table 39**  
*Grade 6 Student Characteristics for Multiple Choice Reading Comprehension Internal Consistency Analyses*

	Fall		Winter		Spring	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1182	50.3%	620	50.4%	1132	50.0%
Ethnicity						
American Indian/ Alaskan Native	56	2.4%	33	2.5%	54	2.4%
Asian/Pacific Islander	90	3.8%	44	3.4%	84	3.7%
Black	54	2.3%	33	2.5%	53	2.3%
Hispanic	243	10.3%	138	10.6%	242	10.7%
White	1608	68.4%	805	62.0%	1589	70.2%
Multi-Ethnic	81	3.4%	48	3.7%	81	3.6%
Special Education	411	17.5%	218	16.8%	383	16.9%
English Language Learner	106	4.5%	50	3.8%	81	3.6%

**Table 40**  
*Grade 7 Student Characteristics for Multiple Choice Reading Comprehension Internal Consistency Analyses*

	Fall		Winter		Spring	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1633	50.3%	994	48.2%	1657	50.2%
Ethnicity						
American Indian/ Alaskan Native	32	1%	16	<1%	33	1%
Asian/Pacific Islander	182	5.6%	120	5.8%	182	5.5%
Black	69	2.1%	47	2.3%	75	2.3%
Hispanic	627	19.3%	536	26.0%	656	19.9%
White	2125	65.5%	1238	60.0%	2130	64.5%
Multi-Ethnic	120	3.7%	62	3.0%	120	3.6%
Special Education	432	13.3%	253	12.3%	441	13.3%
English Language Learner	149	4.6%	120	5.8%	154	4.7%

easyCBM Technical Adequacy  
Reliability

**Table 41**  
*Full Sample Cronbach's Alpha Coefficients for Multiple Choice Reading Comprehension with N = 20 Items*

Grade	Fall				Winter				Spring			
	Cronbach's Alpha Coefficient	<i>n</i>	M	SD	Cronbach's Alpha Coefficient	<i>n</i>	M	SD	Cronbach's Alpha Coefficient	<i>n</i>	M	SD
3	.690	2105	10.91	3.64	.548	2247	10.60	2.96	.779	2271	13.86	3.89
4	.777	2100	12.26	4.11	.730	2118	13.84	3.59	.776	2286	13.82	3.78
5	.698	2278	13.76	3.23	.750	2251	15.81	3.26	.701	2383	14.36	2.99
6	.659	2275	14.35	3.16	.631	1156	13.61	3.04	.672	2166	14.80	3.00
7	.654	3163	13.11	3.13	.665	2013	14.70	2.97	.588	3263	12.61	2.75

**Table 42**  
*Grade 3 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.85	11.705	3.421	34	.648

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.05	14.879	3.857	85	.750

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.85	10.528	3.245	41	.593

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
9.60	11.935	3.455	321	.632

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.17	12.945	3.598	1501	.688

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.16	13.519	3.677	56	.696

**Table 43**  
*Grade 3 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for Multiple Choice Reading Comprehension by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
9.05	12.213	3.495	330	.642

**Table 44**  
*Grade 3 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for Multiple Choice Reading Comprehension by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
8.91	10.449	3.232	93	.570



**Table 45**  
*Grade 3 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.11	11.302	3.362	36	.643

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.00	8.894	2.982	86	.581

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
9.96	7.225	2.688	45	.434

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
9.33	8.205	2.864	351	.478

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.91	8.216	2.866	1592	.529

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.74	12.297	3.507	61	.684

**Table 46**  
*Grade 3 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
8.87	9.410	3.068	363	.541

**Table 47**  
*Grade 3 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
8.90	7.324	2.706	103	.394

**Table 48**  
*Grade 3 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.51	19.787	4.448	35	.831

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.39	15.090	3.885	88	.799

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.70	12.661	3.558	46	.728

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.28	14.796	3.847	347	.740

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.27	14.151	3.762	1603	.772

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.98	13.542	3.680	60	.759

**Table 49**  
*Grade 3 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.88	17.770	4.215	360	.783

**Table 50**  
*Grade 3 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.04	14.138	3.760	101	.708

**Table 51**  
*Grade 4 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.20	10.436	3.231	45	.598

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.49	15.630	3.953	78	.760

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.51	13.780	3.712	43	.701

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.39	14.157	3.763	345	.705

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.83	16.262	4.033	1440	.776

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.18	17.882	4.229	83	.790

**Table 52**  
*Grade 4 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.08	15.130	3.890	354	.721

**Table 53**  
*Grade 4 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
8.45	6.941	2.635	85	.353

**Table 54**  
*Grade 4 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.44	10.633	3.261	43	.680

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.63	11.405	3.377	78	.719

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.78	15.152	3.893	46	.767

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.42	13.055	3.613	334	.704

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.22	11.744	3.427	1463	.714

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.19	10.765	3.281	86	.676

**Table 55**  
*Grade 4 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.73	13.732	3.706	376	.705

**Table 56**  
*Grade 4 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.76	10.730	3.276	82	.614

**Table 57**  
*Grade 4 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.14	9.932	3.152	43	.665

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.81	12.130	3.483	86	.738

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.35	9.721	3.118	52	.623

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.56	14.225	3.772	360	.744

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.20	14.035	3.746	1567	.782

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.65	13.910	3.730	95	.768

**Table 58**  
*Grade 4 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.84	15.766	3.971	400	.757

**Table 59**  
*Grade 4 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.17	12.888	3.590	84	.687

**Table 60**  
*Grade 5 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.09	9.503	3.083	46	.640

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.81	12.247	3.500	89	.755

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.20	9.102	3.017	50	.581

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.59	10.24	3.20	396	.657

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.20	9.478	3.079	1540	.683

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.32	7.624	2.761	85	.603

**Table 61**  
*Grade 5 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.05	14.459	3.803	404	.745

**Table 62**  
*Grade 5 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.96	11.214	3.349	103	.644

**Table 63**  
*Grade 5 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.64	7.503	2.739	42	.617

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.86	12.524	3.539	91	.793

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.49	14.695	3.833	51	.783

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.59	13.116	3.622	363	.759

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
16.17	9.155	3.026	1558	.725

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
16.71	5.469	2.339	82	.564

**Table 64**  
*Grade 5 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.00	14.543	3.814	397	.769

**Table 65**  
*Grade 5 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.77	15.453	3.931	92	.755

**Table 66**  
*Grade 5 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.04	10.389	3.223	47	.710

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.77	7.899	2.811	102	.681

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.94	11.374	3.373	54	.699

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.33	10.910	3.303	365	.711

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.70	7.428	2.725	1638	.663

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.93	7.214	2.686	88	.669

**Table 67**  
*Grade 5 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.89	11.771	3.431	414	.719

**Table 68**  
*Grade 5 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.16	14.028	3.745	91	.747



**Table 69**  
*Grade 6 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.67	10.298	3.209	55	.655

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.90	7.248	2.692	86	.558

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.24	12.189	3.491	49	.683

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.54	10.375	3.221	240	.639

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.77	8.338	2.888	1558	.608

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.74	8.994	2.999	81	.637

**Table 70**  
*Grade 6 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.23	13.546	3.680	389	.700

**Table 71**  
*Grade 6 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.77	13.906	3.729	97	.693

**Table 72**  
*Grade 6 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items*  
**American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.91	5.443	2.333	32	.361

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.23	9.761	3.124	39	.657

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.48	10.687	3.269	29	.620

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.73	9.983	3.160	132	.627

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.90	8.457	2.908	755	.614

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.12	7.516	2.742	48	.561

**Table 73**  
*Grade 6 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.09	12.527	3.539	199	.690

**Table 74**  
*Grade 6 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.57	15.507	3.938	44	.739

**Table 75**  
*Grade 6 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.10	8.802	2.967	49	.671

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.85	8.447	2.906	82	.673

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.62	11.383	3.374	50	.705

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.72	11.520	3.394	229	.707

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.16	7.189	2.681	1535	.605

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.03	9.226	3.037	76	.694

**Table 76**  
*Grade 6 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.36	12.467	3.531	348	.720

**Table 77**  
*Grade 6 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.49	14.306	3.782	77	.741

**Table 78**  
*Grade 7 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation		Cronbach's Alpha
12.13	11.449	3.384	31	.703

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation		Cronbach's Alpha
13.27	10.032	3.167	180	.664

**Black**

Mean	Variance	Std. Deviation		Cronbach's Alpha
12.31	11.500	3.391	68	.680

**Hispanic**

Mean	Variance	Std. Deviation		Cronbach's Alpha
11.81	10.762	3.281	606	.648

**White**

Mean	Variance	Std. Deviation		Cronbach's Alpha
13.55	8.440	2.905	2083	.614

**Multi-Ethnic**

Mean	Variance	Std. Deviation		Cronbach's Alpha
12.97	12.460	3.530	116	.733

**Table 79**  
*Grade 7 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation		Cronbach's Alpha
10.95	11.314	3.364	409	.640

**Table 80**  
*Grade 7 (Fall), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
9.87	10.032	3.167	142	.575

**Table 81**  
*Grade 7 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.13	3.717	1.928	16	.227

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.77	7.601	2.757	119	.614

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.70	12.518	3.538	47	.739

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
13.60	10.999	3.316	518	.696

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
15.23	6.839	2.615	1215	.597

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
14.33	11.480	3.388	60	.744

**Table 82**  
*Grade 7 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.57	14.094	3.754	237	.737

**Table 83**  
*Grade 7 (Winter), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.50	12.641	3.555	109	.685

**Table 84**  
*Grade 7 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Ethnicity with N = 20 Items*  
**American Indian/Alaskan Native**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.22	6.757	2.599	32	.500

**Asian/Pacific Islander**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.92	6.948	2.636	180	.565

**Black**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.11	7.413	2.723	74	.550

**Hispanic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
11.86	7.976	2.824	641	.573

**White**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.88	7.045	2.654	2114	.572

**Multi-Ethnic**

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
12.53	8.388	2.896	118	.627

**Table 85**  
*Grade 7 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by Special Education Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.82	9.352	3.058	421	.598

**Table 86**  
*Grade 7 (Spring), Descriptive Scale Statistics and Cronbach's Alpha for MCRC by English Language Learner Eligibility with N = 20 Items*

Mean	Variance	Std. Deviation	N	Cronbach's Alpha
10.69	6.846	2.616	144	.425

**Table 87**  
**Grade 3 (Fall), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.402
		N of Items	10 <sup>a</sup>
	Part 2	Value	.630
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.502
Spearman-Brown Coefficient	Equal Length		.669
	Unequal Length		.669
Guttman Split-Half Coefficient			.659

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.26	3.515	1.875	10 <sup>a</sup>
Part 2	5.65	5.350	2.313	10 <sup>b</sup>
Both Parts	10.91	13.223	3.636	20

**Table 88**  
**Grade 3 (Fall), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items**

<b>American Indian/Alaskan Native- Grade 3</b>				
Cronbach's Alpha	Part 1	Value		.301
		N of Items		10 <sup>a</sup>
	Part 2	Value		.624
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.450
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	5.24	3.216	1.793	10 <sup>a</sup>
Part 2	5.62	4.910	2.216	10 <sup>b</sup>
Both Parts	10.85	11.705	3.421	20
<b>Asian/Pacific Islander- Grade 3</b>				
Cronbach's Alpha	Part 1	Value		.462
		N of Items		10 <sup>a</sup>
	Part 2	Value		.687
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.618
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	5.95	3.664	1.914	10 <sup>a</sup>
Part 2	6.09	5.610	2.369	10 <sup>b</sup>
Both Parts	12.05	14.879	3.857	20



**Black- Grade 3**

Cronbach's Alpha	Part 1	Value	.399
		N of Items	10 <sup>a</sup>
	Part 2	Value	.371
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.496

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.34	3.530	1.879	10 <sup>a</sup>
Part 2	5.51	3.506	1.872	10 <sup>b</sup>
Both Parts	10.85	10.528	3.245	20

**Hispanic- Grade 3**

Cronbach's Alpha	Part 1	Value	.394
		N of Items	10 <sup>a</sup>
	Part 2	Value	.544
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.426

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.71	3.631	1.906	10 <sup>a</sup>
Part 2	4.88	4.759	2.181	10 <sup>b</sup>
Both Parts	9.60	11.935	3.455	20

**White- Grade 3**

Cronbach's Alpha	Part 1	Value	.388
		N of Items	10 <sup>a</sup>
	Part 2	Value	.634
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.499

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.36	3.382	1.839	10 <sup>a</sup>
Part 2	5.81	5.330	2.309	10 <sup>b</sup>
Both Parts	11.17	12.945	3.598	20

**Multi-Ethnic- Grade 3**

Cronbach's Alpha	Part 1	Value	.404
		N of Items	10 <sup>a</sup>
	Part 2	Value	.663
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.477

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.38	3.693	1.922	10 <sup>a</sup>
Part 2	5.79	5.517	2.349	10 <sup>b</sup>
Both Parts	11.16	13.519	3.677	20

**Table 89**  
*Grade 3 (Fall), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.309
		N of Items	10 <sup>a</sup>
	Part 2	Value	.585
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.476
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.			
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.43	3.267	1.808	10 <sup>a</sup>
Part 2	4.62	5.069	2.251	10 <sup>b</sup>
Both Parts	9.05	12.213	3.495	20

**Table 90**  
*Grade 3 (Fall), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.413
		N of Items	10 <sup>a</sup>
	Part 2	Value	.453
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.330
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.			
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.39	3.740	1.934	10 <sup>a</sup>
Part 2	4.53	4.122	2.030	10 <sup>b</sup>
Both Parts	8.91	10.449	3.232	20

**Table 91**  
**Grade 3 (Winter), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.373
		N of Items	10 <sup>a</sup>
	Part 2	Value	.368
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.390
Spearman-Brown Coefficient	Equal Length		.562
	Unequal Length		.562
Guttman Split-Half Coefficient			.562

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.35	3.193	1.787	10 <sup>a</sup>
Part 2	5.24	3.105	1.762	10 <sup>b</sup>
Both Parts	10.60	8.757	2.959	20

**Table 92**  
*Grade 3 (Winter), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items***American Indian/Alaskan Native- Grade 3**

Cronbach's Alpha	Part 1	Value	.489
		N of Items	10 <sup>a</sup>
	Part 2	Value	.366
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.567

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.94	3.997	1.999	10 <sup>a</sup>
Part 2	5.17	3.229	1.797	10 <sup>b</sup>
Both Parts	10.11	11.302	3.362	20

**Asian/Pacific Islander- Grade 3**

Cronbach's Alpha	Part 1	Value	.424
		N of Items	10 <sup>a</sup>
	Part 2	Value	.425
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.379

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.57	3.354	1.831	10 <sup>a</sup>
Part 2	5.43	3.095	1.759	10 <sup>b</sup>
Both Parts	11.00	8.894	2.982	20

**Black- Grade 3**

Cronbach's Alpha	Part 1	Value	.374
		N of Items	10 <sup>a</sup>
	Part 2	Value	.305
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.179

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.04	3.134	1.770	10 <sup>a</sup>
Part 2	4.91	2.992	1.730	10 <sup>b</sup>
Both Parts	9.96	7.225	2.688	20

**Hispanic- Grade 3**

Cronbach's Alpha	Part 1	Value	.371
		N of Items	10 <sup>a</sup>
	Part 2	Value	.256
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.311

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.69	3.306	1.818	10 <sup>a</sup>
Part 2	4.64	2.956	1.719	10 <sup>b</sup>
Both Parts	9.33	8.205	2.864	20

**White- Grade 3**

Cronbach's Alpha	Part 1	Value	.332
		N of Items	10 <sup>a</sup>
	Part 2	Value	.362
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.380

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.52	2.966	1.722	10 <sup>a</sup>
Part 2	5.39	2.985	1.728	10 <sup>b</sup>
Both Parts	10.91	8.216	2.866	20

**Multi-Ethnic- Grade 3**

Cronbach's Alpha	Part 1	Value	.344
		N of Items	10 <sup>a</sup>
	Part 2	Value	.598
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.593

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.39	3.143	1.773	10 <sup>a</sup>
Part 2	5.34	4.630	2.152	10 <sup>b</sup>
Both Parts	10.74	12.297	3.507	20

**Table 93**  
*Grade 3 (Winter), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.385
		N of Items	10 <sup>a</sup>
	Part 2	Value	.363
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.365
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.39	3.444	1.856	10 <sup>a</sup>
Part 2	4.47	3.449	1.857	10 <sup>b</sup>
Both Parts	8.87	9.410	3.068	20

**Table 94**  
*Grade 3 (Winter), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.146
		N of Items	10 <sup>a</sup>
	Part 2	Value	.134
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.397
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	4.49	2.586	1.608	10 <sup>a</sup>
Part 2	4.42	2.657	1.630	10 <sup>b</sup>
Both Parts	8.90	7.324	2.706	20



**Table 95**  
**Grade 3 (Spring), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.604
		N of Items	10 <sup>a</sup>
	Part 2	Value	.668
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.637
Spearman-Brown Coefficient	Equal Length		.778
	Unequal Length		.778
Guttman Split-Half Coefficient			.771

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.30	3.850	1.962	10 <sup>a</sup>
Part 2	6.56	5.452	2.335	10 <sup>b</sup>
Both Parts	13.86	15.139	3.891	20

**Table 96**  
*Grade 3 (Spring), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*

<b>American Indian/Alaskan Native- Grade 3</b>				
Cronbach's Alpha	Part 1	Value		.714
		N of Items		10 <sup>a</sup>
	Part 2	Value		.704
		N of Items		10 <sup>b</sup>
	Total N of Items			
Correlation Between Forms				.724
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.14	5.420	2.328	10 <sup>a</sup>
Part 2	6.37	6.064	2.462	10 <sup>b</sup>
Both Parts	13.51	19.787	4.448	20
<b>Asian/Pacific Islander- Grade 3</b>				
Cronbach's Alpha	Part 1	Value		.646
		N of Items		10 <sup>a</sup>
	Part 2	Value		.691
		N of Items		10 <sup>b</sup>
	Total N of Items			
Correlation Between Forms				.649
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.68	3.645	1.909	10 <sup>a</sup>
Part 2	6.70	5.590	2.364	10 <sup>b</sup>
Both Parts	14.39	15.090	3.885	20

**Black- Grade 3**

Cronbach's Alpha	Part 1	Value	.579
		N of Items	10 <sup>a</sup>
	Part 2	Value	.579
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.554

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.15	3.643	1.909	10 <sup>a</sup>
Part 2	6.54	4.520	2.126	10 <sup>b</sup>
Both Parts	13.70	12.661	3.558	20

**Hispanic- Grade 3**

Cronbach's Alpha	Part 1	Value	.544
		N of Items	10 <sup>a</sup>
	Part 2	Value	.625
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.582

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.52	3.961	1.990	10 <sup>a</sup>
Part 2	5.76	5.431	2.330	10 <sup>b</sup>
Both Parts	12.28	14.796	3.847	20

**White- Grade 3**

Cronbach's Alpha	Part 1	Value	.581
		N of Items	10 <sup>a</sup>
	Part 2	Value	.668
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.629

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.50	3.491	1.868	10 <sup>a</sup>
Part 2	6.77	5.268	2.295	10 <sup>b</sup>
Both Parts	14.27	14.151	3.762	20

**Multi-Ethnic- Grade 3**

Cronbach's Alpha	Part 1	Value	.608
		N of Items	10 <sup>a</sup>
	Part 2	Value	.608
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.625

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.28	3.732	1.932	10 <sup>a</sup>
Part 2	6.70	4.620	2.149	10 <sup>b</sup>
Both Parts	13.98	13.542	3.680	20

**Table 97**  
**Grade 3 (Spring), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.633
		N of Items	10 <sup>a</sup>
	Part 2	Value	.648
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.652

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.33	4.918	2.218	10 <sup>a</sup>
Part 2	5.54	5.853	2.419	10 <sup>b</sup>
Both Parts	11.88	17.770	4.215	20

**Table 98**  
**Grade 3 (Spring), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.616
		N of Items	10 <sup>a</sup>
	Part 2	Value	.509
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.504

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.89	4.898	2.213	10 <sup>a</sup>
Part 2	5.15	4.508	2.123	10 <sup>b</sup>
Both Parts	11.04	14.138	3.760	20

**Table 99**  
**Grade 4 (Fall), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.641
		N of Items	10
	Part 2	Value	.630
		N of Items	10
	Total N of Items		20
Correlation Between Forms			.632
Spearman-Brown Coefficient	Equal Length		.774
	Unequal Length		.774
Guttman Split-Half Coefficient			.774

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

**Scale Statistics**

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.24	5.167	2.273	10 <sup>a</sup>
Part 2	6.03	5.173	2.274	10 <sup>b</sup>
Both Parts	12.26	16.870	4.107	20

**Table 100**  
**Grade 4 (Fall), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items****American Indian/Alaskan Native- Grade 4**

Cronbach's Alpha	Part 1	Value	.328
		N of Items	10 <sup>a</sup>
	Part 2	Value	.455
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.489

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.22	3.177	1.782	10 <sup>a</sup>
Part 2	5.98	3.840	1.960	10 <sup>b</sup>
Both Parts	12.20	10.436	3.231	20

**Asian/Pacific Islander- Grade 4**

Cronbach's Alpha	Part 1	Value	.602
		N of Items	10 <sup>a</sup>
	Part 2	Value	.602
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.649

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.42	4.637	2.153	10 <sup>a</sup>
Part 2	6.06	4.840	2.200	10 <sup>b</sup>
Both Parts	12.49	15.630	3.953	20

**Black- Grade 4**

Cronbach's Alpha	Part 1	Value	.580
		N of Items	10 <sup>a</sup>
	Part 2	Value	.408
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.641

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.81	4.679	2.163	10 <sup>a</sup>
Part 2	5.70	3.740	1.934	10 <sup>b</sup>
Both Parts	11.51	13.780	3.712	20

**Hispanic- Grade 4**

Cronbach's Alpha	Part 1	Value	.566
		N of Items	10 <sup>a</sup>
	Part 2	Value	.538
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.523

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.28	4.716	2.172	10 <sup>a</sup>
Part 2	5.11	4.579	2.140	10 <sup>b</sup>
Both Parts	10.39	14.157	3.763	20



**White- Grade 4**

Cronbach's Alpha	Part 1	Value	.636
		N of Items	10 <sup>a</sup>
	Part 2	Value	.638
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.626

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.53	4.928	2.220	10 <sup>a</sup>
Part 2	6.30	5.073	2.252	10 <sup>b</sup>
Both Parts	12.83	16.262	4.033	20

**Multi-Ethnic- Grade 4**

Cronbach's Alpha	Part 1	Value	.690
		N of Items	10 <sup>a</sup>
	Part 2	Value	.602
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.666

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.07	5.848	2.418	10 <sup>a</sup>
Part 2	6.11	4.903	2.214	10 <sup>b</sup>
Both Parts	12.18	17.882	4.229	20

**Table 101**  
**Grade 4 (Fall), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.548	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.561	
		N of Items	10 <sup>b</sup>	
	Total N of Items		20	
Correlation Between Forms			.588	
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	5.12	4.645	2.155	10 <sup>a</sup>
Part 2	4.95	4.882	2.209	10 <sup>b</sup>
Both Parts	10.08	15.130	3.890	20

**Table 102**  
**Grade 4 (Fall), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.282	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.214	
		N of Items	10 <sup>b</sup>	
	Total N of Items		20	
Correlation Between Forms			.167	
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	4.22	3.033	1.741	10 <sup>a</sup>
Part 2	4.22	2.914	1.707	10 <sup>b</sup>
Both Parts	8.45	6.941	2.635	20

**Table 103**  
**Grade 4 (Winter), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.632
		N of Items	10 <sup>a</sup>
	Part 2	Value	.536
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.556
Spearman-Brown Coefficient	Equal Length		.715
	Unequal Length		.715
Guttman Split-Half Coefficient			.714

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.67	3.930	1.982	10 <sup>a</sup>
Part 2	6.17	4.338	2.083	10 <sup>b</sup>
Both Parts	13.84	12.864	3.587	20

**Table 104**  
*Grade 4 (Winter), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*

<b>American Indian/Alaskan Native- Grade 4</b>					
Cronbach's Alpha	Part 1	Value		.404	
		N of Items		10 <sup>a</sup>	
	Part 2	Value		.572	
		N of Items		10 <sup>b</sup>	
	Total N of Items			20	
Correlation Between Forms				.549	
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.					
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.					
		Mean	Variance	Std. Deviation	N of Items
Part 1		7.86	2.599	1.612	10 <sup>a</sup>
Part 2		6.58	4.344	2.084	10 <sup>b</sup>
Both Parts		14.44	10.633	3.261	20
<b>Asian/Pacific Islander- Grade 4</b>					
Cronbach's Alpha	Part 1	Value		.636	
		N of Items		10 <sup>a</sup>	
	Part 2	Value		.574	
		N of Items		10 <sup>b</sup>	
	Total N of Items			20	
Correlation Between Forms				.457	
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.					
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.					
		Mean	Variance	Std. Deviation	N of Items
Part 1		8.18	3.370	1.836	10 <sup>a</sup>
Part 2		6.45	4.484	2.118	10 <sup>b</sup>
Both Parts		14.63	11.405	3.377	20

**Black- Grade 4**

Cronbach's Alpha	Part 1	Value	.653
		N of Items	10 <sup>a</sup>
	Part 2	Value	.531
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.726

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.57	4.340	2.083	10 <sup>a</sup>
Part 2	6.22	4.441	2.107	10 <sup>b</sup>
Both Parts	13.78	15.152	3.893	20

**Hispanic- Grade 4**

Cronbach's Alpha	Part 1	Value	.577
		N of Items	10 <sup>a</sup>
	Part 2	Value	.517
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.534

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.92	4.167	2.041	10 <sup>a</sup>
Part 2	5.50	4.341	2.083	10 <sup>b</sup>
Both Parts	12.42	13.055	3.613	20

**White- Grade 4**

Cronbach's Alpha	Part 1	Value	.621
		N of Items	10 <sup>a</sup>
	Part 2	Value	.507
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.541

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.88	3.583	1.893	10 <sup>a</sup>
Part 2	6.35	4.044	2.011	10 <sup>b</sup>
Both Parts	14.22	11.744	3.427	20

**Multi-Ethnic- Grade 4**

Cronbach's Alpha	Part 1	Value	.649
		N of Items	10 <sup>a</sup>
	Part 2	Value	.399
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.457

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.77	3.922	1.980	10 <sup>a</sup>
Part 2	6.42	3.470	1.863	10 <sup>b</sup>
Both Parts	14.19	10.765	3.281	20

**Table 105**  
**Grade 4 (Winter), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.603
		N of Items	10 <sup>a</sup>
	Part 2	Value	.466
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.559
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.56	4.658	2.158	10 <sup>a</sup>
Part 2	5.17	4.154	2.038	10 <sup>b</sup>
Both Parts	11.73	13.732	3.706	20

**Table 106**  
**Grade 4 (Winter), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.558
		N of Items	10 <sup>a</sup>
	Part 2	Value	.290
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.445
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.99	4.308	2.076	10 <sup>a</sup>
Part 2	4.77	3.143	1.773	10 <sup>b</sup>
Both Parts	10.76	10.730	3.276	20

**Table 107**  
**Grade 4 (Spring), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.710
		N of Items	10 <sup>a</sup>
	Part 2	Value	.573
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.603
Spearman-Brown Coefficient	Equal Length		.752
	Unequal Length		.752
Guttman Split-Half Coefficient			.752

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.66	4.579	2.140	10 <sup>a</sup>
Part 2	6.16	4.356	2.087	10 <sup>b</sup>
Both Parts	13.82	14.317	3.784	20



**Table 108**  
*Grade 4 (Spring), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*

<b>American Indian/Alaskan Native- Grade 4</b>				
Cronbach's Alpha	Part 1	Value		.736
		N of Items		10 <sup>a</sup>
	Part 2	Value		.205
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.388
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.74	4.719	2.172	10 <sup>a</sup>
Part 2	6.40	2.530	1.591	10 <sup>b</sup>
Both Parts	14.14	9.932	3.152	20
<b>Asian/Pacific Islander- Grade 4</b>				
Cronbach's Alpha	Part 1	Value		.686
		N of Items		10 <sup>a</sup>
	Part 2	Value		.427
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.640
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.73	3.986	1.997	10 <sup>a</sup>
Part 2	6.08	3.417	1.848	10 <sup>b</sup>
Both Parts	13.81	12.130	3.483	20

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**Black- Grade 4**

Cronbach's Alpha	Part 1	Value	.608
		N of Items	10 <sup>a</sup>
	Part 2	Value	.417
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.323

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.63	3.648	1.910	10 <sup>a</sup>
Part 2	5.71	3.699	1.923	10 <sup>b</sup>
Both Parts	13.35	9.721	3.118	20

**Hispanic- Grade 4**

Cronbach's Alpha	Part 1	Value	.670
		N of Items	10 <sup>a</sup>
	Part 2	Value	.547
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.534

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.00	4.905	2.215	10 <sup>a</sup>
Part 2	5.56	4.376	2.092	10 <sup>b</sup>
Both Parts	12.56	14.225	3.772	20

**White- Grade 4**

Cronbach's Alpha	Part 1	Value	.707
		N of Items	10 <sup>a</sup>
	Part 2	Value	.586
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.627

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.86	4.263	2.065	10 <sup>a</sup>
Part 2	6.35	4.366	2.089	10 <sup>b</sup>
Both Parts	14.20	14.035	3.746	20

**Multi-Ethnic- Grade 4**

Cronbach's Alpha	Part 1	Value	.718
		N of Items	10 <sup>a</sup>
	Part 2	Value	.531
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.590

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.63	4.852	2.203	10 <sup>a</sup>
Part 2	6.02	3.914	1.978	10 <sup>b</sup>
Both Parts	13.65	13.910	3.730	20

**Table 109**  
*Grade 4 (Spring), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.690	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.538	
		N of Items	10 <sup>b</sup>	
	Total N of Items			20
	Correlation Between Forms			.570
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	6.69	5.580	2.362	10 <sup>a</sup>
Part 2	5.15	4.485	2.118	10 <sup>b</sup>
Both Parts	11.84	15.766	3.971	20

**Table 110**  
*Grade 4 (Spring), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.624	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.450	
		N of Items	10 <sup>b</sup>	
	Total N of Items			20
	Correlation Between Forms			.463
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	6.23	5.021	2.241	10 <sup>a</sup>
Part 2	4.94	3.816	1.953	10 <sup>b</sup>
Both Parts	11.17	12.888	3.590	20

**Table 111**  
*Grade 5 (Fall), Total Sample Split-Half Coefficients for MCRC with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.577
		N of Items	10 <sup>a</sup>
	Part 2	Value	.544
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.485
Spearman-Brown Coefficient	Equal Length		.653
	Unequal Length		.653
Guttman Split-Half Coefficient			.646

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.55	2.881	1.697	10
Part 2	6.21	2.174	2.043	10
Both Parts	13.76	10.422	3.228	20

**Table 112**  
**Grade 5 (Fall), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items**

<b>Asian/Pacific Islander- Grade 5</b>				
Cronbach's Alpha	Part 1	Value		.531
		N of Items		10 <sup>a</sup>
	Part 2	Value		.638
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.655
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.53	2.525	1.589	10 <sup>a</sup>
Part 2	6.28	5.045	2.246	10 <sup>b</sup>
Both Parts	13.81	12.247	3.500	20
<b>Black- Grade 5</b>				
Cronbach's Alpha	Part 1	Value		.409
		N of Items		10 <sup>a</sup>
	Part 2	Value		.369
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.457
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	6.72	2.818	1.679	10 <sup>a</sup>
Part 2	5.48	3.438	1.854	10 <sup>b</sup>
Both Parts	12.20	9.102	3.017	20

**Hispanic- Grade 5**

Cronbach's Alpha	Part 1	Value	.564
		N of Items	10 <sup>a</sup>
	Part 2	Value	.459
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.448

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.12	3.248	1.802	10 <sup>a</sup>
Part 2	5.46	3.829	1.957	10 <sup>b</sup>
Both Parts	12.59	10.238	3.200	20

**White- Grade 5**

Cronbach's Alpha	Part 1	Value	.551
		N of Items	10 <sup>a</sup>
	Part 2	Value	.542
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.460

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.74	2.545	1.595	10 <sup>a</sup>
Part 2	6.46	3.999	2.000	10 <sup>b</sup>
Both Parts	14.20	9.478	3.079	20

**Multi-Ethnic- Grade 5**

Cronbach's Alpha	Part 1	Value	.518
		N of Items	10 <sup>a</sup>
	Part 2	Value	.471
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.321

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.85	2.203	1.484	10 <sup>a</sup>
Part 2	6.47	3.609	1.900	10 <sup>b</sup>
Both Parts	14.32	7.624	2.761	20

**Table 113**

**Grade 5 (Fall), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.640
		N of Items	10 <sup>a</sup>
	Part 2	Value	.592
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.533

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.77	4.360	2.088	10 <sup>a</sup>
Part 2	5.28	5.079	2.254	10 <sup>b</sup>
Both Parts	12.05	14.459	3.803	20



**Table 114**  
**Grade 5 (Fall), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.553	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.461	
		N of Items	10 <sup>b</sup>	
	Total N of Items			20
Correlation Between Forms			.402	
a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.				
b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	6.24	3.911	1.978	10 <sup>a</sup>
Part 2	4.72	4.087	2.022	10 <sup>b</sup>
Both Parts	10.96	11.214	3.349	20

**Table 115**  
**Grade 5 (Winter), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.567
		N of Items	10 <sup>a</sup>
	Part 2	Value	.630
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.593
Spearman-Brown Coefficient	Equal Length		.745
	Unequal Length		.745
Guttman Split-Half Coefficient			.738

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	8.28	2.803	1.674	10 <sup>a</sup>
Part 2	7.53	3.909	1.977	10 <sup>b</sup>
Both Parts	15.81	10.641	3.262	20

**Table 116**  
*Grade 5 (Winter), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*

<b>American Indian/Alaskan Native- Grade 5</b>					
Cronbach's Alpha	Part 1	Value			.257
		N of Items			10 <sup>a</sup>
	Part 2	Value			.508
		N of Items			10 <sup>b</sup>
	Total N of Items				20
Correlation Between Forms					.541
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.					
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.					
		Mean	Variance	Std. Deviation	N of Items
Part 1		8.07	1.970	1.404	10 <sup>a</sup>
Part 2		7.57	2.934	1.713	10 <sup>b</sup>
Both Parts		15.64	7.503	2.739	20
<b>Asian/Pacific Islander- Grade 5</b>					
Cronbach's Alpha	Part 1	Value			.642
		N of Items			10 <sup>a</sup>
	Part 2	Value			.640
		N of Items			10 <sup>b</sup>
	Total N of Items				20
Correlation Between Forms					.718
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.					
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.					
		Mean	Variance	Std. Deviation	N of Items
Part 1		8.15	3.398	1.843	10 <sup>a</sup>
Part 2		7.70	3.900	1.975	10 <sup>b</sup>
Both Parts		15.86	12.524	3.539	20

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**Black- Grade 5**

Cronbach's Alpha	Part 1	Value	.596
		N of Items	10 <sup>a</sup>
	Part 2	Value	.650
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.707

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.75	3.554	1.885	10 <sup>a</sup>
Part 2	6.75	5.114	2.261	10 <sup>b</sup>
Both Parts	14.49	14.695	3.833	20

**Hispanic- Grade 5**

Cronbach's Alpha	Part 1	Value	.580
		N of Items	10 <sup>a</sup>
	Part 2	Value	.641
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.606

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.73	3.547	1.883	10 <sup>a</sup>
Part 2	6.86	4.646	2.155	10 <sup>b</sup>
Both Parts	14.59	13.116	3.622	20

**White- Grade 5**

Cronbach's Alpha	Part 1	Value	.542
		N of Items	10 <sup>a</sup>
	Part 2	Value	.604
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.549

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	8.45	2.448	1.565	10 <sup>a</sup>
Part 2	7.71	3.493	1.869	10 <sup>b</sup>
Both Parts	16.17	9.155	3.026	20

**Multi-Ethnic- Grade 5**

Cronbach's Alpha	Part 1	Value	.037
		N of Items	10 <sup>a</sup>
	Part 2	Value	.531
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.444

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	8.68	1.133	1.064	10 <sup>a</sup>
Part 2	8.02	2.765	1.663	10 <sup>b</sup>
Both Parts	16.71	5.469	2.339	20

**Table 117**  
*Grade 5 (Winter), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.573
		N of Items	10 <sup>a</sup>
	Part 2	Value	.654
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.645
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.50	3.735	1.933	10 <sup>a</sup>
Part 2	6.50	5.150	2.269	10 <sup>b</sup>
Both Parts	14.00	14.543	3.814	20

**Table 118**  
*Grade 5 (Winter), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.523
		N of Items	10 <sup>a</sup>
	Part 2	Value	.664
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.620
a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.			
b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.80	3.961	1.990	10 <sup>a</sup>
Part 2	5.97	5.636	2.374	10 <sup>b</sup>
Both Parts	12.77	15.453	3.931	20

**Table 119**  
**Grade 5 (Spring), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.565
		N of Items	10 <sup>a</sup>
	Part 2	Value	.530
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.529
Spearman-Brown Coefficient	Equal Length		.692
	Unequal Length		.692
Guttman Split-Half Coefficient			.688

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.50	2.555	1.598	10 <sup>a</sup>
Part 2	6.86	3.320	1.822	10 <sup>b</sup>
Both Parts	14.36	8.958	2.993	20

**Table 120**  
*Grade 5 (Spring), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*

<b>American Indian/Alaskan Native- Grade 5</b>				
Cronbach's Alpha	Part 1	Value		.610
		N of Items		10 <sup>a</sup>
	Part 2	Value		.521
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.515
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.32	3.265	1.807	10 <sup>a</sup>
Part 2	6.72	3.596	1.896	10 <sup>b</sup>
Both Parts	14.04	10.389	3.223	20
<b>Asian/Pacific Islander- Grade 5</b>				
Cronbach's Alpha	Part 1	Value		.505
		N of Items		10 <sup>a</sup>
	Part 2	Value		.490
		N of Items		10 <sup>b</sup>
	Total N of Items			20
Correlation Between Forms				.577
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				
	Mean	Variance	Std. Deviation	N of Items
Part 1	7.76	2.043	1.429	10 <sup>a</sup>
Part 2	7.01	3.000	1.732	10 <sup>b</sup>
Both Parts	14.77	7.899	2.811	20



**Black- Grade 5**

Cronbach's Alpha	Part 1	Value	.600
		N of Items	10 <sup>a</sup>
	Part 2	Value	.545
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.448

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.91	3.708	1.926	10 <sup>a</sup>
Part 2	6.04	4.150	2.037	10 <sup>b</sup>
Both Parts	12.94	11.374	3.373	20

**Hispanic- Grade 5**

Cronbach's Alpha	Part 1	Value	.617
		N of Items	10 <sup>a</sup>
	Part 2	Value	.494
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.542

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.06	3.543	1.882	10 <sup>a</sup>
Part 2	6.28	3.530	1.879	10 <sup>b</sup>
Both Parts	13.33	10.910	3.303	20

**White- Grade 5**

Cronbach's Alpha	Part 1	Value	.492
		N of Items	10 <sup>a</sup>
	Part 2	Value	.513
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.485

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.66	2.005	1.416	10 <sup>a</sup>
Part 2	7.05	3.030	1.741	10 <sup>b</sup>
Both Parts	14.70	7.428	2.725	20

**Multi-Ethnic- Grade 5**

Cronbach's Alpha	Part 1	Value	.493
		N of Items	10 <sup>a</sup>
	Part 2	Value	.557
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.438

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.81	1.997	1.413	10 <sup>a</sup>
Part 2	7.12	3.053	1.747	10 <sup>b</sup>
Both Parts	14.93	7.214	2.686	20

**Table 121**  
**Grade 5 (Spring), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.585
		N of Items	10 <sup>a</sup>
	Part 2	Value	.554
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.543
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.			
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.			

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.83	3.460	1.860	10 <sup>a</sup>
Part 2	6.07	4.182	2.045	10 <sup>b</sup>
Both Parts	12.89	11.771	3.431	20

**Table 122**  
**Grade 5 (Spring), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Reliability Statistics <sup>c</sup>				
Cronbach's Alpha	Part 1	Value	.652	
		N of Items	10 <sup>a</sup>	
	Part 2	Value	.516	
		N of Items	10 <sup>b</sup>	
	Total N of Items		20	
Correlation Between Forms			.625	
a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.				
b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.				

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.51	4.475	2.115	10 <sup>a</sup>
Part 2	5.66	4.160	2.040	10 <sup>b</sup>
Both Parts	12.16	14.028	3.745	20

**Table 123**  
*Grade 6 (Fall), Total Sample Split-Half Coefficients for MCRC with N = 20 Items*

Reliability Statistics			
Cronbach's Alpha	Part 1	Value	.453
		N of Items	10 <sup>a</sup>
	Part 2	Value	.544
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.472
Spearman-Brown Coefficient	Equal Length		.641
	Unequal Length		.641
Guttman Split-Half Coefficient			.640

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.03	3.205	1.790	10 <sup>a</sup>
Part 2	7.32	3.594	1.896	10 <sup>b</sup>
Both Parts	14.35	10.001	3.162	20

**Table 124**  
**Grade 6 (Fall), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items**  
**American Indian/Alaskan Native- Grade 6**

Cronbach's Alpha	Part 1	Value	.448
		N of Items	10 <sup>a</sup>
	Part 2	Value	.565
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.427

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.85	3.090	1.758	10 <sup>a</sup>
Part 2	6.82	4.152	2.038	10 <sup>b</sup>
Both Parts	13.67	10.298	3.209	20

**Asian/Pacific Islander- Grade 6**

Cronbach's Alpha	Part 1	Value	.355
		N of Items	10 <sup>a</sup>
	Part 2	Value	.425
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.381

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.26	2.616	1.617	10 <sup>a</sup>
Part 2	7.64	2.633	1.623	10 <sup>b</sup>
Both Parts	14.90	7.248	2.692	20

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**Black- Grade 6**

Cronbach's Alpha	Part 1	Value	.558
		N of Items	10 <sup>a</sup>
	Part 2	Value	.511
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.475

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.57	4.292	2.072	10 <sup>a</sup>
Part 2	6.67	3.974	1.994	10 <sup>b</sup>
Both Parts	13.24	12.189	3.491	20

**Hispanic- Grade 6**

Cronbach's Alpha	Part 1	Value	.379
		N of Items	10 <sup>a</sup>
	Part 2	Value	.547
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.466

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.57	3.159	1.777	10 <sup>a</sup>
Part 2	6.98	3.932	1.983	10 <sup>b</sup>
Both Parts	13.54	10.375	3.221	20

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**White- Grade 6**

Cronbach's Alpha	Part 1	Value	.399
		N of Items	10 <sup>a</sup>
	Part 2	Value	.496
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.410

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.21	2.821	1.680	10 <sup>a</sup>
Part 2	7.56	3.094	1.759	10 <sup>b</sup>
Both Parts	14.77	8.338	2.888	20

**Multi-Ethnic- Grade 6**

Cronbach's Alpha	Part 1	Value	.477
		N of Items	10 <sup>a</sup>
	Part 2	Value	.430
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.498

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.56	3.000	1.732	10 <sup>a</sup>
Part 2	7.19	3.003	1.733	10 <sup>b</sup>
Both Parts	14.74	8.994	2.999	20

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**Table 125****Grade 6 (Fall), Split-Half Coefficients for Multiple Choice Reading Comprehension by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.495
		N of Items	10 <sup>a</sup>
	Part 2	Value	.585
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.528

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.99	4.072	2.018	10 <sup>a</sup>
Part 2	6.24	4.804	2.192	10 <sup>b</sup>
Both Parts	12.23	13.546	3.680	20

**Table 126****Grade 6 (Fall), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.510
		N of Items	10 <sup>a</sup>
	Part 2	Value	.545
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.536

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.32	4.386	2.094	10 <sup>a</sup>
Part 2	5.45	4.667	2.160	10 <sup>b</sup>
Both Parts	10.77	13.906	3.729	20



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**Table 127**

*Grade 6 (Winter), Total Sample Split-Half Coefficients for MCRC with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.416
		N of Items	10 <sup>a</sup>
	Part 2	Value	.488
N of Items		10 <sup>b</sup>	
	Total N of Items		20
Correlation Between Forms			.477
Spearman-Brown Coefficient	Equal Length		.646
	Unequal Length		.646
Guttman Split-Half Coefficient			.644

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.35	2.856	1.690	10 <sup>a</sup>
Part 2	6.26	3.421	1.850	10 <sup>b</sup>
Both Parts	13.61	9.256	3.042	20

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**Table 128****Grade 6 (Winter), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items****American Indian/Alaskan Native- Grade 6**

Cronbach's Alpha	Part 1	Value	-.371 <sup>a</sup>
		N of Items	10 <sup>b</sup>
	Part 2	Value	.334
		N of Items	10 <sup>c</sup>
	Total N of Items		20
Correlation Between Forms			.402

a. The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

b. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

c. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.59	1.281	1.132	10 <sup>a</sup>
Part 2	6.31	2.673	1.635	10 <sup>b</sup>
Both Parts	13.91	5.443	2.333	20

**Asian/Pacific Islander- Grade 6**

Cronbach's Alpha	Part 1	Value	.537
		N of Items	10 <sup>a</sup>
	Part 2	Value	.493
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.429

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.51	3.309	1.819	10 <sup>a</sup>
Part 2	6.72	3.524	1.877	10 <sup>b</sup>
Both Parts	14.23	9.761	3.124	20

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**Black- Grade 6**

Cronbach's Alpha	Part 1	Value	.589
		N of Items	10 <sup>a</sup>
	Part 2	Value	.416
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.315

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.90	4.453	2.110	10 <sup>a</sup>
Part 2	5.59	3.680	1.918	10 <sup>b</sup>
Both Parts	12.48	10.687	3.269	20

**Hispanic- Grade 6**

Cronbach's Alpha	Part 1	Value	.347
		N of Items	10 <sup>a</sup>
	Part 2	Value	.540
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.452

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.05	2.792	1.671	10 <sup>a</sup>
Part 2	5.69	4.124	2.031	10 <sup>b</sup>
Both Parts	12.73	9.983	3.160	20

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**White- Grade 6**

Cronbach's Alpha	Part 1	Value	.379
		N of Items	10 <sup>a</sup>
	Part 2	Value	.479
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.464

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.50	2.592	1.610	10 <sup>a</sup>
Part 2	6.40	3.195	1.787	10 <sup>b</sup>
Both Parts	13.90	8.457	2.908	20

**Multi-Ethnic- Grade 6**

Cronbach's Alpha	Part 1	Value	.161
		N of Items	10 <sup>a</sup>
	Part 2	Value	.362
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.615

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.56	1.996	1.413	10 <sup>a</sup>
Part 2	6.56	2.677	1.636	10 <sup>b</sup>
Both Parts	14.12	7.516	2.742	20

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**Table 129*****Grade 6 (Winter), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.512
		N of Items	10 <sup>a</sup>
	Part 2	Value	.537
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.533

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.53	3.937	1.984	10 <sup>a</sup>
Part 2	5.56	4.238	2.059	10 <sup>b</sup>
Both Parts	12.09	12.527	3.539	20

**Table 130*****Grade 6 (Winter), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.563
		N of Items	10 <sup>a</sup>
	Part 2	Value	.506
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.739

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.98	4.627	2.151	10 <sup>a</sup>
Part 2	5.59	4.294	2.072	10 <sup>b</sup>
Both Parts	11.57	15.507	3.938	20

**Table 131****Grade 6 (Spring), Total Sample Split-Half Coefficients for MCRC with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.477
		N of Items	10 <sup>a</sup>
	Part 2	Value	.521
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.519
Spearman-Brown Coefficient	Equal Length		.684
	Unequal Length		.684
Guttman Split-Half Coefficient			.680

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.90	2.590	1.609	10 <sup>a</sup>
Part 2	6.90	3.341	1.828	10 <sup>b</sup>
Both Parts	14.80	8.987	2.998	20

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**Table 132****Grade 6 (Spring), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items****American Indian/Alaskan Native- Grade 6**

Cronbach's Alpha	Part 1	Value	.247
		N of Items	10 <sup>a</sup>
	Part 2	Value	.570
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.654

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.98	1.895	1.377	10 <sup>a</sup>
Part 2	7.12	3.526	1.878	10 <sup>b</sup>
Both Parts	15.10	8.802	2.967	20

**Asian/Pacific Islander- Grade 6**

Cronbach's Alpha	Part 1	Value	.389
		N of Items	10 <sup>a</sup>
	Part 2	Value	.594
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.495

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	8.07	2.069	1.438	10 <sup>a</sup>
Part 2	6.78	3.655	1.912	10 <sup>b</sup>
Both Parts	14.85	8.447	2.906	20

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**Black- Grade 6**

Cronbach's Alpha	Part 1	Value	.504
		N of Items	10 <sup>a</sup>
	Part 2	Value	.562
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.571

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.76	3.002	1.733	10 <sup>a</sup>
Part 2	5.86	4.286	2.070	10 <sup>b</sup>
Both Parts	13.62	11.383	3.374	20

**Hispanic- Grade 6**

Cronbach's Alpha	Part 1	Value	.561
		N of Items	10 <sup>a</sup>
	Part 2	Value	.535
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.546

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.44	3.476	1.864	10 <sup>a</sup>
Part 2	6.28	3.981	1.995	10 <sup>b</sup>
Both Parts	13.72	11.520	3.394	20



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**White- Grade 6**

Cronbach's Alpha	Part 1	Value	.396
		N of Items	10 <sup>a</sup>
	Part 2	Value	.456
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.445

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	8.05	2.156	1.468	10 <sup>a</sup>
Part 2	7.10	2.834	1.684	10 <sup>b</sup>
Both Parts	15.16	7.189	2.681	20

**Multi-Ethnic- Grade 6**

Cronbach's Alpha	Part 1	Value	.554
		N of Items	10 <sup>a</sup>
	Part 2	Value	.457
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.603

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.97	2.853	1.689	10 <sup>a</sup>
Part 2	7.05	2.904	1.704	10 <sup>b</sup>
Both Parts	15.03	9.226	3.037	20

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**Table 133*****Grade 6 (Spring), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.562
		N of Items	10 <sup>a</sup>
	Part 2	Value	.567
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.559

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.24	3.638	1.907	10 <sup>a</sup>
Part 2	6.11	4.373	2.091	10 <sup>b</sup>
Both Parts	13.36	12.467	3.531	20

**Table 134*****Grade 6 (Spring), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.632
		N of Items	10 <sup>a</sup>
	Part 2	Value	.620
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.477

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.79	4.535	2.130	10 <sup>a</sup>
Part 2	5.70	5.160	2.271	10 <sup>b</sup>
Both Parts	12.49	14.306	3.782	20

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**Table 135**

*Grade 7 (Fall), Total Sample Split-Half Coefficients for MCRC with N = 20 Items*

Cronbach's Alpha	Part 1	Value	.453
		N of Items	10 <sup>a</sup>
	Part 2	Value	.522
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.473
Spearman-Brown Coefficient	Equal Length		.643
	Unequal Length		.643
Guttman Split-Half Coefficient			.636

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.76	2.764	1.662	10 <sup>a</sup>
Part 2	6.35	3.931	1.983	10 <sup>b</sup>
Both Parts	13.11	9.815	3.133	20

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**Table 136****Grade 7 (Fall), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items*****American Indian/Alaskan Native- Grade 7***

Cronbach's Alpha	Part 1	Value	.387
		N of Items	10 <sup>a</sup>
	Part 2	Value	.575
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.670

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.00	2.733	1.653	10 <sup>a</sup>
Part 2	6.13	4.183	2.045	10 <sup>b</sup>
Both Parts	12.13	11.449	3.384	20

***Asian/Pacific Islander- Grade 7***

Cronbach's Alpha	Part 1	Value	.466
		N of Items	10 <sup>a</sup>
	Part 2	Value	.536
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.481

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.87	2.771	1.665	10 <sup>a</sup>
Part 2	6.40	4.040	2.010	10 <sup>b</sup>
Both Parts	13.27	10.032	3.167	20

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**Black- Grade 7**

Cronbach's Alpha	Part 1	Value	.530
		N of Items	10 <sup>a</sup>
	Part 2	Value	.488
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.534

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.38	3.523	1.877	10 <sup>a</sup>
Part 2	5.93	3.980	1.995	10 <sup>b</sup>
Both Parts	12.31	11.500	3.391	20

**Hispanic- Grade 7**

Cronbach's Alpha	Part 1	Value	.464
		N of Items	10 <sup>a</sup>
	Part 2	Value	.498
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.473

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.09	3.248	1.802	10 <sup>a</sup>
Part 2	5.71	4.073	2.018	10 <sup>b</sup>
Both Parts	11.81	10.762	3.281	20

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Reliability

**White- Grade 7**

Cronbach's Alpha	Part 1	Value	.386
		N of Items	10 <sup>a</sup>
	Part 2	Value	.500
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.426

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.98	2.330	1.526	10 <sup>a</sup>
Part 2	6.57	3.632	1.906	10 <sup>b</sup>
Both Parts	13.55	8.440	2.905	20

**Multi-ethnic- Grade 7**

Cronbach's Alpha	Part 1	Value	.603
		N of Items	10 <sup>a</sup>
	Part 2	Value	.604
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.506

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.67	3.613	1.901	10 <sup>a</sup>
Part 2	6.30	4.682	2.164	10 <sup>b</sup>
Both Parts	12.97	12.460	3.530	20

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**Table 137****Grade 7 (Fall), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.392
		N of Items	10 <sup>a</sup>
	Part 2	Value	.520
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.487

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.82	3.186	1.785	10 <sup>a</sup>
Part 2	5.13	4.454	2.111	10 <sup>b</sup>
Both Parts	10.95	11.314	3.364	20

**Table 138****Grade 7 (Fall), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items**

Cronbach's Alpha	Part 1	Value	.379
		N of Items	10 <sup>a</sup>
	Part 2	Value	.397
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.434

a. The items are: FallMCRCQ1C, FallMCRCQ2C, FallMCRCQ3C, FallMCRCQ4C, FallMCRCQ5C, FallMCRCQ6C, FallMCRCQ7C, FallMCRCQ8C, FallMCRCQ9C, FallMCRCQ10C.

b. The items are: FallMCRCQ11C, FallMCRCQ12C, FallMCRCQ13C, FallMCRCQ14C, FallMCRCQ15C, FallMCRCQ16C, FallMCRCQ17C, FallMCRCQ18C, FallMCRCQ19C, FallMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	5.15	3.318	1.822	10 <sup>a</sup>
Part 2	4.72	3.679	1.918	10 <sup>b</sup>
Both Parts	9.87	10.032	3.167	20

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Reliability

**Table 139**

***Grade 7 (Winter), Total Sample Split-Half Coefficients for MCRC with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.468
		N of Items	10 <sup>a</sup>
	Part 2	Value	.517
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.508
Spearman-Brown Coefficient	Equal Length		.674
	Unequal Length		.674
Guttman Split-Half Coefficient			.670

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.66	2.539	1.594	10 <sup>a</sup>
Part 2	7.03	3.322	1.823	10 <sup>b</sup>
Both Parts	14.70	8.814	2.969	20



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**Table 140****Grade 7 (Winter), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items****American Indian/Alaskan Native- Grade 7**

Cronbach's Alpha	Part 1	Value	.132
		N of Items	10 <sup>a</sup>
	Part 2	Value	-.119 <sup>b</sup>
		N of Items	10 <sup>c</sup>
	Total N of Items		20
Correlation Between Forms			.288

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The value is negative due to a negative average covariance among items. This violates reliability model assumptions. You may want to check item codings.

c. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.94	1.263	1.124	10 <sup>a</sup>
Part 2	7.19	1.629	1.276	10 <sup>b</sup>
Both Parts	15.13	3.717	1.928	20

**Asian/Pacific Islander- Grade 7**

Cronbach's Alpha	Part 1	Value	.373
		N of Items	10 <sup>a</sup>
	Part 2	Value	.503
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.437

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.72	2.168	1.472	10 <sup>a</sup>
Part 2	7.05	3.150	1.775	10 <sup>b</sup>
Both Parts	14.77	7.601	2.757	20

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Reliability

**Black- Grade 7**

Cronbach's Alpha	Part 1	Value	.591
		N of Items	10 <sup>a</sup>
	Part 2	Value	.553
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.628

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.11	3.880	1.970	10 <sup>a</sup>
Part 2	6.60	3.811	1.952	10 <sup>b</sup>
Both Parts	13.70	12.518	3.538	20

**Hispanic- Grade 7**

Cronbach's Alpha	Part 1	Value	.559
		N of Items	10 <sup>a</sup>
	Part 2	Value	.509
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.538

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.20	3.428	1.852	10 <sup>a</sup>
Part 2	6.40	3.726	1.930	10 <sup>b</sup>
Both Parts	13.60	10.999	3.316	20

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Reliability

**White- Grade 7**

Cronbach's Alpha	Part 1	Value	.358
		N of Items	10 <sup>a</sup>
	Part 2	Value	.468
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.439

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.89	1.965	1.402	10 <sup>a</sup>
Part 2	7.34	2.811	1.677	10 <sup>b</sup>
Both Parts	15.23	6.839	2.615	20

**Multi-ethnic- Grade 7**

Cronbach's Alpha	Part 1	Value	.501
		N of Items	10 <sup>a</sup>
	Part 2	Value	.653
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.601

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.50	2.797	1.672	10 <sup>a</sup>
Part 2	6.83	4.446	2.109	10 <sup>b</sup>
Both Parts	14.33	11.480	3.388	20

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Reliability

**Table 141*****Grade 7 (Winter), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.580
		N of Items	10 <sup>a</sup>
	Part 2	Value	.592
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.576

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.74	4.160	2.040	10 <sup>a</sup>
Part 2	5.83	4.793	2.189	10 <sup>b</sup>
Both Parts	12.57	14.094	3.754	20

**Table 142*****Grade 7 (Winter), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.546
		N of Items	10 <sup>a</sup>
	Part 2	Value	.491
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.530

a. The items are: WintMCRCQ1C, WintMCRCQ2C, WintMCRCQ3C, WintMCRCQ4C, WintMCRCQ5C, WintMCRCQ6C, WintMCRCQ7C, WintMCRCQ8C, WintMCRCQ9C, WintMCRCQ10C.

b. The items are: WintMCRCQ11C, WintMCRCQ12C, WintMCRCQ13C, WintMCRCQ14C, WintMCRCQ15C, WintMCRCQ16C, WintMCRCQ17C, WintMCRCQ18C, WintMCRCQ19C, WintMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.21	4.038	2.010	10 <sup>a</sup>
Part 2	5.28	4.224	2.055	10 <sup>b</sup>
Both Parts	11.50	12.641	3.555	20

## easyCBM Technical Adequacy

## Reliability

**Table 143*****Grade 7 (Spring), Total Sample Split-Half Coefficients for MCRC with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.515
		N of Items	10 <sup>a</sup>
	Part 2	Value	.372
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.365
Spearman-Brown Coefficient	Equal Length		.535
	Unequal Length		.535
Guttman Split-Half Coefficient			.535

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.22	2.700	1.643	10 <sup>a</sup>
Part 2	5.39	2.850	1.688	10 <sup>b</sup>
Both Parts	12.61	7.576	2.753	20

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Reliability

**Table 144****Grade 7 (Spring), Split-Half Coefficients for MCRC by Ethnicity with N = 20 Items****American Indian/Alaskan Native- Grade 7**

Cronbach's Alpha	Part 1	Value	.502
		N of Items	10 <sup>a</sup>
	Part 2	Value	.180
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.288

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.25	2.968	1.723	10 <sup>a</sup>
Part 2	4.97	2.289	1.513	10 <sup>b</sup>
Both Parts	12.22	6.757	2.599	20

**Asian/Pacific Islander- Grade 7**

Cronbach's Alpha	Part 1	Value	.507
		N of Items	10 <sup>a</sup>
	Part 2	Value	.345
		N of Items	10 <sup>b</sup>
Total N of Items			20
Correlation Between Forms			.328

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.21	2.678	1.637	10 <sup>a</sup>
Part 2	5.71	2.553	1.598	10 <sup>b</sup>
Both Parts	12.92	6.948	2.636	20

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Reliability

**Black- Grade 7**

Cronbach's Alpha	Part 1	Value	.632
		N of Items	10 <sup>a</sup>
	Part 2	Value	.299
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.174

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.85	3.608	1.899	10 <sup>a</sup>
Part 2	5.26	2.714	1.647	10 <sup>b</sup>
Both Parts	12.11	7.413	2.723	20

**Hispanic- Grade 7**

Cronbach's Alpha	Part 1	Value	.524
		N of Items	10 <sup>a</sup>
	Part 2	Value	.384
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.295

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.82	3.153	1.776	10 <sup>a</sup>
Part 2	5.03	3.008	1.734	10 <sup>b</sup>
Both Parts	11.86	7.976	2.824	20

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Reliability

**White- Grade 7**

Cronbach's Alpha	Part 1	Value	.481
		N of Items	10 <sup>a</sup>
	Part 2	Value	.356
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.375

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.37	2.386	1.545	10 <sup>a</sup>
Part 2	5.51	2.743	1.656	10 <sup>b</sup>
Both Parts	12.88	7.045	2.654	20

**Multi-ethnic- Grade 7**

Cronbach's Alpha	Part 1	Value	.504
		N of Items	10 <sup>a</sup>
	Part 2	Value	.464
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.403

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	7.18	2.695	1.642	10 <sup>a</sup>
Part 2	5.36	3.291	1.814	10 <sup>b</sup>
Both Parts	12.53	8.388	2.896	20



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Reliability

**Table 145*****Grade 7 (Spring), Split-Half Coefficients for MCRC by Special Education Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.565
		N of Items	10 <sup>a</sup>
	Part 2	Value	.281
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.392

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.32	3.921	1.980	10 <sup>a</sup>
Part 2	4.51	2.822	1.680	10 <sup>b</sup>
Both Parts	10.82	9.352	3.058	20

**Table 146*****Grade 7 (Spring), Split-Half Coefficients for MCRC by English Language Learner Eligibility with N = 20 Items***

Cronbach's Alpha	Part 1	Value	.436
		N of Items	10 <sup>a</sup>
	Part 2	Value	.203
		N of Items	10 <sup>b</sup>
	Total N of Items		20
Correlation Between Forms			.177

a. The items are: SprMCRCQ1C, SprMCRCQ2C, SprMCRCQ3C, SprMCRCQ4C, SprMCRCQ5C, SprMCRCQ6C, SprMCRCQ7C, SprMCRCQ8C, SprMCRCQ9C, SprMCRCQ10C.

b. The items are: SprMCRCQ11C, SprMCRCQ12C, SprMCRCQ13C, SprMCRCQ14C, SprMCRCQ15C, SprMCRCQ16C, SprMCRCQ17C, SprMCRCQ18C, SprMCRCQ19C, SprMCRCQ20C.

	Mean	Variance	Std. Deviation	N of Items
Part 1	6.25	3.238	1.799	10 <sup>a</sup>
Part 2	4.44	2.583	1.607	10 <sup>b</sup>
Both Parts	10.69	6.846	2.616	20

easyCBM Technical Adequacy

Reliability

**Table 147*****Student Characteristics for Grade 3 Reliability of Slope Analyses***

	Oral Reading Fluency		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Ethnicity						
American Indian/ Alaskan Native	13	1.53	36	1.66	36	1.62
Asian/Pacific Islander	20	2.36	77	3.54	84	3.79
Black	13	1.53	40	1.84	42	1.90
Hispanic	162	19.08	332	15.26	334	15.07
White	578	68.08	1547	71.13	1577	71.16
Multi-Ethnic	19	2.24	60	2.76	60	2.71
Special Education	147	17.31	350	16.09	356	16.06
Female	413	49.00	1055	48.00	1069	48.00
ELL	14	1.65	93	4.28	96	4.33
FRL	497	58.54	1042	47.91	1041	46.98

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

easyCBM Technical Adequacy

Reliability

**Table 148***Student Characteristics for Grade 4 Reliability of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	45	2.02	45	2.03
Asian/Pacific Islander	77	3.45	77	3.47
Black	45	2.02	46	2.07
Hispanic	361	16.17	355	15.98
White	1536	68.82	1531	68.93
Multi-Ethnic	94	4.21	93	4.19
Special Education	396	17.74	390	17.56
Missing	5	0.22	4	0.18
Female	1062	48.00	1059	48.00
ELL	92	4.12	89	4.01
FRL	1025	45.92	1020	45.93

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

easyCBM Technical Adequacy

Reliability

**Table 149***Student Characteristics for Grade 5 Reliability of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	48	2.02	47	1.99
Asian/Pacific Islander	95	3.99	96	4.06
Black	49	2.06	47	1.99
Hispanic	385	16.18	376	15.89
White	1633	68.61	1631	68.91
Multi-Ethnic	89	3.74	90	3.80
Special Education	429	18.03	425	17.96
Missing	-	-	-	-
Female	1173	49.00	1170	49.00
ELL	98	4.12	93	3.93
FRL	1048	44.03	1046	44.19

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

easyCBM Technical Adequacy

Reliability

**Table 150***Student Characteristics for Grade 6 Reliability of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	32	2.76	37	3.00
Asian/Pacific Islander	30	2.59	32	2.59
Black	24	2.07	25	2.02
Hispanic	144	12.42	159	12.87
White	754	65.06	811	65.67
Multi-Ethnic	47	4.06	50	4.05
Special Education	210	18.12	246	19.92
Female	592	51.00	631	51.00
ELL	49	4.23	48	3.89
FRL	534	46.07	586	47.45

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

easyCBM Technical Adequacy  
Reliability

**Table 151**  
*Student Characteristics for Grade 7 Reliability of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	18	0.80	18	0.81
Asian/Pacific Islander	121	5.41	122	5.52
Black	46	2.06	46	2.08
Hispanic	561	25.08	534	24.16
White	1371	61.29	1365	61.76
Multi-Ethnic	72	3.22	72	3.26
Special Education	301	13.46	314	14.21
Female	1086	49.00	1076	49.00
ELL	131	5.86	126	5.70
FRL	462	20.65	487	22.04

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

easyCBM Technical Adequacy  
Reliability  
**Table 152**

*Grade 3, Reliability of Multiple Choice Reading Comprehension Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Reliability, Intercept	Level-1 residual variance	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	6.00	0.08	5.02	0.00	2.53	0.09	2.50	0.59	660
	Multi-Ethnic	5.63	0.51	4.20	0.21	2.65	0.61	3.31	0.70	15
	White	6.23	0.10	4.53	0.00	2.68	0.11	2.60	0.63	422
	Hispanic	5.83	0.16	4.78	0.02	2.34	0.16	1.40	0.46	151
	Black	6.67	0.47	2.96	0.00	2.46	0.66	3.27	0.77	11
	Asian	5.91	0.61	4.17	0.54	2.21	0.39	0.00	0.00	14
	American Indian/ Alaskan Native	5.53	0.83	8.31	0.00	2.00	0.66	0.15	0.05	10
2	All Students	9.42	0.08	3.62	0.00	1.73	0.09	2.38	0.66	517
	Multi-Ethnic	9.49	0.43	3.69	0.00	1.94	0.51	2.57	0.68	17
	White	9.49	0.09	3.50	0.00	1.84	0.11	2.26	0.66	363
	Hispanic	9.17	0.22	4.12	0.00	1.06	0.24	2.10	0.60	74
	Black	8.94	0.42	3.54	0.00	1.82	0.45	1.71	0.59	17
	Asian	9.58	0.39	3.25	0.00	1.32	0.46	2.12	0.66	18
	American Indian/ Alaskan Native	9.55	0.54	3.87	0.00	1.91	0.71	3.60	0.74	11
3	All Students	12.15	0.08	4.72	0.00	1.22	0.07	0.81	0.34	632
	Multi-Ethnic	11.93	0.55	4.32	0.37	1.27	0.48	1.35	0.48	15
	White	12.19	0.09	4.47	0.00	1.28	0.08	0.70	0.32	475
	Hispanic	12.00	0.23	5.40	0.00	1.00	0.22	1.06	0.37	82
	Black	11.93	0.76	4.87	0.00	1.64	0.68	0.76	0.32	7
	Asian	12.15	0.44	5.89	0.00	1.26	0.37	0.54	0.22	25
	American Indian/ Alaskan Native	12.04	0.83	9.03	0.00	1.05	0.72	0.82	0.21	11
4	All Students	14.84	0.11	5.63	0.00	0.44	0.09	0.14	0.07	399
	Multi-Ethnic	15.13	0.48	3.57	0.00	0.31	0.44	0.52	0.29	13
	White	14.82	0.12	5.52	0.00	0.50	0.10	0.04	0.02	314
	Hispanic	14.75	0.47	6.69	0.00	-0.28	0.43	1.24	0.36	25
	Black	14.86	0.85	6.08	0.00	-0.57	0.71	0.47	0.19	7
	Asian	-	-	-	-	-	-	-	-	27 <sup>+</sup>
	American Indian/ Alaskan Native	15.23	0.94	3.48	0.32	0.57	0.79	0.30	0.19	4

<sup>+</sup> Parameters could not be estimated for this model.

easyCBM Technical Adequacy  
Reliability  
**Table 153**

*Grade 3, Reliability of Passage Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Reliability, Intercept	Level-1 residual variance	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	42.11	0.76	165.87	0.76	16.23	0.46	30.92	0.36	547
	Multi-Ethnic	38.28	4.96	228.69	0.63	20.15	3.17	15.95	0.17	13
	White	44.18	0.93	184.08	0.70	16.48	0.58	23.18	0.27	344
	Hispanic	42.39	1.55	142.82	0.76	17.51	0.94	27.95	0.37	113
	Black	36.44	4.03	91.74	0.79	14.17	2.53	30.91	0.50	12
	Asian	56.17	3.71	129.22	0.27	12.50	3.05	19.19	0.31	9
	American Indian/ Alaskan Native	46.04	4.19	176.44	0.50	20.37	3.90	75.74	0.55	12
2	All Students	76.73	0.56	182.50	0.26	17.89	0.48	34.40	0.36	546
	Multi-Ethnic	72.68	3.04	144.26	0.00	14.81	2.36	0.48	0.01	13
	White	77.24	0.68	190.77	0.25	18.14	0.60	40.90	0.39	385
	Hispanic	75.35	1.25	175.55	0.20	18.13	1.05	21.08	0.26	100
	Black	77.27	3.34	128.44	0.47	16.58	2.34	6.86	0.14	13
	Asian	76.98	2.48	110.75	0.00	15.00	2.54	41.47	0.53	15
	American Indian/ Alaskan Native	75.81	6.68	156.96	0.72	20.08	4.49	42.72	0.45	6
3	All Students	102.63	0.65	248.86	0.15	17.55	0.58	48.40	0.36	534
	Multi-Ethnic	99.27	2.81	165.96	0.00	21.20	4.49	245.06	0.80	18
	White	102.80	0.75	250.25	0.16	17.06	0.67	51.81	0.38	399
	Hispanic	101.61	1.67	205.26	0.12	19.03	1.44	25.66	0.27	64
	Black	103.04	6.55	305.19	0.47	21.88	4.40	2.17	0.02	8
	Asian	106.93	4.05	430.59	0.00	16.45	3.57	56.88	0.28	21
	American Indian/ Alaskan Native	101.18	5.19	253.94	0.41	24.45	3.77	15.14	0.15	10
4	All Students	145.57	1.00	312.12	0.72	15.23	0.58	16.78	0.14	534
	Multi-Ethnic	145.84	8.07	335.84	0.87	16.17	3.31	0.03	0.00	16
	White	-	-	-	-	-	-	-	-	414 <sup>+</sup>
	Hispanic	138.74	2.54	287.34	0.46	15.68	1.83	18.45	0.16	48
	Black	170.05	14.13	852.71	0.69	14.15	8.87	67.35	0.18	7
	Asian	145.54	4.35	320.82	0.75	15.13	2.48	29.80	0.22	31
	American Indian/ Alaskan Native	143.11	6.80	442.10	0.00	15.29	5.44	0.00	0.00	8

Note. <sup>+</sup> Parameters could not be estimated for this model.



easyCBM Technical Adequacy  
Reliability

**Table 154**  
*Grade 3, Reliability of Word Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	16.36	0.51	15.24	0.90	10.19	0.34	16.28	0.76	214
	Multi-Ethnic	17.61	2.61	4.29	0.92	9.17	3.10	26.68	0.95	3
	White	17.90	0.61	16.42	0.86	10.43	0.42	13.92	0.72	127
	Hispanic	14.80	1.05	16.60	0.89	10.60	0.72	18.34	0.77	52
	Black	18.21	2.75	2.20	0.98	12.38	2.59	25.76	0.97	4
	Asian	17.00	9.64	54.00	0.73	10.00	7.47	28.80	0.62	1
	American Indian/ Alaskan Native	20.39	1.94	9.83	0.81	10.00	1.49	8.38	0.72	6
	2	All Students	38.15	0.43	33.44	0.53	11.08	0.34	8.65	0.44
Multi-Ethnic		38.00	3.12	11.83	0.88	12.50	2.74	24.08	0.86	4
White		38.31	0.54	30.59	0.62	10.57	0.38	5.31	0.34	146
Hispanic		37.40	0.97	42.03	0.29	11.52	0.80	6.21	0.31	43
Black		38.02	2.57	18.82	0.71	17.50	4.07	73.30	0.91	5
Asian		39.25	2.31	43.04	0.32	13.38	2.96	48.70	0.77	8
American Indian/ Alaskan Native		31.88	1.78	7.39	0.52	11.69	2.80	17.51	0.86	3
3		All Students	54.60	0.45	40.68	0.34	8.87	0.39	11.02	0.45
	Multi-Ethnic	52.58	2.57	24.97	0.69	8.08	1.54	1.66	0.17	6
	White	54.71	0.49	37.27	0.33	8.71	0.44	11.26	0.48	152
	Hispanic	53.82	1.26	49.01	0.42	8.89	1.05	11.51	0.41	33
	Black	48.17	2.68	4.17	0.73	7.50	2.08	2.22	0.62	1
	Asian	58.01	1.93	21.71	0.00	10.10	2.55	21.64	0.73	5
	American Indian/ Alaskan Native	51.00	2.73	17.87	0.00	13.50	2.82	7.01	0.54	2
	4	All Students	79.86	1.53	73.02	0.94	8.45	0.55	26.17	0.50
Multi-Ethnic		73.25	5.69	39.66	0.92	5.58	1.82	0.10	0.01	6
White		80.14	1.88	68.40	0.95	8.34	0.70	37.55	0.60	149
Hispanic		77.92	3.80	62.50	0.95	8.78	1.06	7.20	0.25	34
Black		79.62	9.12	36.88	0.94	13.33	9.27	239.30	0.94	3
Asian		89.90	6.33	85.59	0.82	8.83	3.51	31.04	0.47	6
American Indian/ Alaskan Native		69.83	7.61	134.44	0.08	10.50	5.83	0.70	0.02	2

easyCBM Technical Adequacy  
Reliability  
**Table 155**

*Grade 4, Reliability of Multiple Choice Reading Comprehension Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	7.60	0.10	6.84	0.16	1.97	0.09	1.12	0.33	630
	Multi-Ethnic	7.58	0.46	7.17	0.00	2.43	0.45	2.12	0.47	28
	White	7.74	0.13	7.25	0.00	2.02	0.13	1.95	0.44	361
	Hispanic	7.45	0.19	6.69	0.00	1.88	0.18	1.74	0.43	155
	Black	7.57	0.69	7.06	0.55	2.32	0.44	0.05	0.02	19
	Asian	7.66	0.56	6.43	0.26	2.54	0.46	0.92	0.30	19
	American Indian/ Alaskan Native	9.03	0.77	7.00	0.21	1.36	0.73	2.34	0.50	11
2	All Students	11.26	0.08	3.73	0.00	1.29	0.09	2.10	0.63	456
	Multi-Ethnic	11.92	0.41	3.86	0.00	0.82	0.45	1.93	0.60	19
	White	11.30	0.10	3.51	0.00	1.39	0.11	2.11	0.64	302
	Hispanic	10.93	0.17	3.42	0.00	0.94	0.21	2.20	0.65	87
	Black	11.28	1.18	10.02	0.00	0.83	1.03	1.32	0.28	6
	Asian	11.41	0.44	3.97	0.00	1.59	0.45	1.52	0.54	17
	American Indian/ Alaskan Native	11.92	0.51	4.63	0.00	1.11	0.55	2.01	0.56	15
3	All Students	14.65	0.06	2.83	0.00	0.37	0.07	1.50	0.61	686
	Multi-Ethnic	14.43	0.27	2.21	0.27	0.39	0.25	0.68	0.48	30
	White	14.66	0.07	2.83	0.00	0.40	0.08	1.44	0.60	515
	Hispanic	14.59	0.20	3.14	0.00	0.17	0.24	2.15	0.67	68
	Black	14.41	0.32	1.84	0.29	0.41	0.26	0.25	0.29	17
	Asian	15.19	0.27	2.15	0.00	0.32	0.26	0.40	0.35	24
	American Indian/ Alaskan Native	14.69	0.50	3.53	0.29	0.71	0.38	0.14	0.10	14
4	All Students	17.68	0.06	1.97	0.00	-0.52	0.06	0.49	0.43	409
	Multi-Ethnic	18.05	0.31	1.59	0.22	-0.76	0.27	0.27	0.33	15
	White	17.67	0.07	1.97	0.00	-0.48	0.07	0.53	0.45	335
	Hispanic	17.75	0.28	2.55	0.10	-0.68	0.22	0.04	0.05	28
	Black	17.63	0.72	2.49	0.00	-0.13	0.56	0.00	0.00	4
	Asian	17.72	0.28	1.45	0.00	-0.70	0.24	0.11	0.19	15
	American Indian/ Alaskan Native	17.40	0.24	0.34	0.00	-1.00	0.59	1.56	0.93	5

easyCBM Technical Adequacy  
Reliability  
**Table 156**

*Grade 4, Reliability of Passage Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	70.64	0.83	131.49	0.87	13.85	0.39	21.62	0.33	572
	Multi-Ethnic	67.80	3.37	88.91	0.89	15.31	1.44	9.18	0.24	26
	White	73.08	0.94	141.80	0.82	14.30	0.51	23.36	0.33	365
	Hispanic	70.92	1.69	115.15	0.87	13.75	0.88	28.10	0.42	111
	Black	75.54	4.69	138.11	0.82	13.30	2.41	12.65	0.22	14
	Asian	71.72	6.51	52.28	0.92	9.83	4.75	109.13	0.86	6
	American Indian/ Alaskan Native	71.42	5.61	132.47	0.86	10.83	2.89	33.78	0.43	12
2	All Students	100.82	0.42	115.15	0.00	15.73	0.52	82.33	0.68	521
	Multi-Ethnic	101.61	2.45	129.85	0.11	15.45	1.96	8.06	0.16	19
	White	100.89	0.52	118.93	0.00	15.73	0.62	76.13	0.66	355
	Hispanic	100.39	0.93	96.21	0.19	15.77	1.11	69.11	0.68	94
	Black	99.70	3.39	125.73	0.42	15.00	3.44	78.97	0.65	12
	Asian	101.31	2.34	88.23	0.37	17.94	2.91	82.82	0.73	16
	American Indian/ Alaskan Native	102.35	2.58	83.83	0.36	13.02	3.17	83.57	0.74	13
3	All Students	121.08	0.43	104.93	0.21	18.79	0.48	69.22	0.66	526
	Multi-Ethnic	118.08	2.00	81.55	0.00	16.65	3.17	130.48	0.83	17
	White	121.01	0.52	105.12	0.23	19.10	0.56	59.72	0.63	365
	Hispanic	121.22	1.07	108.51	0.18	18.38	1.31	78.33	0.68	78
	Black	121.70	3.18	118.19	0.24	19.00	4.90	204.47	0.84	11
	Asian	120.81	1.51	71.57	0.20	18.15	1.71	43.04	0.64	27
	American Indian/ Alaskan Native	124.49	3.63	163.08	0.28	22.36	3.79	82.44	0.59	12
4	All Students	159.19	0.97	196.14	0.84	15.47	0.49	30.68	0.32	541
	Multi-Ethnic	161.10	4.44	261.08	0.82	13.63	2.33	29.46	0.25	31
	White	160.23	1.12	192.44	0.85	15.90	0.56	32.45	0.33	419
	Hispanic	154.44	2.77	152.43	0.82	13.99	1.76	67.13	0.57	46
	Black	-	-	-	-	-	-	-	-	7 <sup>+</sup>
	Asian	154.97	4.56	240.65	0.80	14.30	2.27	0.07	0.00	23
	American Indian/ Alaskan Native	151.02	5.76	171.54	0.68	7.81	3.79	29.21	0.34	8

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Reliability

+ Parameters could not be estimated for this model.

easyCBM Technical Adequacy  
Reliability  
**Table 157**

*Grade 5, Reliability of Multiple Choice Reading Comprehension Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	10.21	0.11	7.22	0.44	1.39	0.08	0.36	0.13	660
	Multi-Ethnic	11.25	0.62	7.46	0.29	1.58	0.48	0.70	0.22	19
	White	10.29	0.14	6.91	0.39	1.49	0.10	0.48	0.17	387
	Hispanic	-	-	-	-	-	-	-	-	143 <sup>+</sup>
	Black	10.63	0.55	6.60	0.43	0.99	0.39	0.06	0.03	23
	Asian	9.94	0.56	7.84	0.45	1.57	0.40	0.43	0.14	28
	American Indian/ Alaskan Native	10.98	0.59	6.88	0.27	1.11	0.45	0.40	0.15	19
2	All Students	14.23	0.08	3.50	0.00	0.61	0.07	0.82	0.41	513
	Multi-Ethnic	14.40	0.37	3.20	0.00	0.91	0.30	0.15	0.12	20
	White	14.24	0.09	3.75	0.00	0.70	0.08	0.53	0.30	366
	Hispanic	14.20	0.18	3.23	0.00	0.05	0.21	1.82	0.63	74
	Black	14.18	0.39	2.12	0.00	0.15	0.44	1.07	0.60	11
	Asian	14.23	0.33	2.52	0.00	0.95	0.34	0.88	0.51	18
	American Indian/ Alaskan Native	14.58	0.52	3.62	0.00	0.00	0.48	0.68	0.36	11
3	All Students	-	-	-	-	-	-	-	-	684 <sup>+</sup>
	Multi-Ethnic	16.04	0.23	2.28	0.00	-0.19	0.25	0.99	0.56	36
	White	16.09	0.06	2.47	0.00	-0.05	0.06	0.64	0.43	504
	Hispanic	15.90	0.15	2.51	0.00	-0.15	0.16	1.11	0.57	89
	Black	15.63	0.75	4.51	0.31	-0.38	0.79	2.72	0.64	8
	Asian	15.90	0.24	1.73	0.00	0.41	0.22	0.29	0.33	23
	American Indian/ Alaskan Native	16.32	0.46	3.01	0.00	0.13	0.37	0.12	0.10	12
4	All Students	17.93	0.06	1.67	0.00	-0.83	0.05	0.36	0.39	445
	Multi-Ethnic	17.89	0.35	1.94	0.26	-0.73	0.26	0.00	0.01	15
	White	17.94	0.06	1.57	0.00	-0.81	0.06	0.33	0.39	358
	Hispanic	17.74	0.22	1.88	0.00	-0.96	0.25	0.93	0.59	31
	Black	17.94	0.66	1.43	0.19	-0.50	0.49	0.00	0.00	3
	Asian	18.19	0.26	1.99	0.00	-0.92	0.22	0.13	0.17	24
	American Indian/ Alaskan Native	17.63	0.44	1.09	0.09	-0.50	0.33	0.01	0.03	5

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Reliability

+ Parameters could not be estimated for this model.

easyCBM Technical Adequacy  
Reliability  
**Table 158**

*Grade 5, Reliability of Passage Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	93.65	0.96	141.48	0.90	13.95	0.38	11.06	0.19	584
	Multi-Ethnic	91.17	4.21	106.71	0.83	13.71	3.00	76.89	0.68	15
	White	96.70	1.02	136.66	0.85	13.54	0.47	13.44	0.23	364
	Hispanic	96.66	1.85	170.91	0.82	15.67	0.89	5.34	0.08	113
	Black	86.11	4.70	118.30	0.92	13.08	1.85	23.03	0.36	24
	Asian	98.52	5.71	83.19	0.95	14.45	1.96	23.93	0.46	17
	American Indian/ Alaskan Native	93.73	5.50	102.49	0.91	14.10	2.80	50.52	0.60	13
2	All Students	133.37	0.42	113.36	0.30	12.02	0.42	49.78	0.56	608
	Multi-Ethnic	135.14	2.03	67.32	0.60	11.75	1.52	15.87	0.41	22
	White	133.34	0.52	117.43	0.27	12.17	0.52	53.86	0.58	417
	Hispanic	133.36	0.95	108.38	0.33	12.04	0.98	51.62	0.58	111
	Black	129.12	4.45	109.65	0.56	5.93	2.82	0.86	0.02	7
	Asian	135.18	2.86	137.79	0.41	13.08	2.05	6.94	0.13	18
	American Indian/ Alaskan Native	130.81	2.26	110.11	0.00	10.08	2.42	50.56	0.58	18
3	All Students	158.93	0.45	110.66	0.39	11.16	0.41	38.17	0.50	560
	Multi-Ethnic	155.05	2.48	136.73	0.25	11.19	2.46	58.36	0.56	21
	White	159.33	0.55	112.35	0.42	10.91	0.48	35.14	0.48	405
	Hispanic	157.71	0.99	84.91	0.23	12.32	1.08	50.83	0.63	81
	Black	155.37	3.24	136.79	0.33	9.35	2.76	30.37	0.40	13
	Asian	-	-	-	-	-	-	-	-	21 <sup>+</sup>
	American Indian/ Alaskan Native	159.50	2.77	74.24	0.23	11.72	4.00	106.57	0.81	9
4	All Students	200.98	0.91	218.12	0.80	5.08	0.45	5.08	0.06	586
	Multi-Ethnic	188.69	2.85	177.26	0.64	7.57	1.82	13.92	0.19	31
	White	202.25	1.07	221.29	0.81	4.74	0.52	4.76	0.06	441
	Hispanic	204.42	12.84	117.16	0.93	6.63	6.15	92.48	0.68	4
	Black	200.33	3.03	231.94	0.78	5.00	1.60	10.90	0.12	51
	Asian	198.85	3.28	219.60	0.75	7.84	1.75	3.95	0.05	37
	American Indian/ Alaskan Native	204.83	9.67	65.10	0.97	1.64	2.93	27.69	0.56	7

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Reliability

+ Parameters could not be estimated for this model.



easyCBM Technical Adequacy  
Reliability  
**Table 159**

*Grade 6, Reliability of Multiple Choice Reading Comprehension Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	9.50	0.15	6.26	0.47	1.29	0.11	0.45	0.16	313
	Multi-Ethnic	10.29	0.67	3.72	0.57	1.57	0.48	0.59	0.28	12
	White	9.47	0.20	6.20	0.47	1.47	0.14	0.39	0.15	175
	Hispanic	9.82	0.29	5.37	0.31	1.02	0.23	0.61	0.24	65
	Black	9.02	1.29	7.27	0.72	0.94	0.94	3.47	0.56	8
	Asian	8.10	2.33	16.80	0.70	1.90	1.31	0.14	0.02	5
	American Indian/ Alaskan Native	8.26	1.00	5.11	0.70	1.86	0.63	0.74	0.28	9
2	All Students	14.02	0.07	2.40	0.00	0.22	0.08	1.30	0.59	407
	Multi-Ethnic	13.88	0.45	3.45	0.00	0.10	0.52	2.21	0.63	15
	White	14.11	0.08	2.21	0.00	0.32	0.09	1.16	0.58	275
	Hispanic	13.96	0.23	3.02	0.00	-0.50	0.25	1.74	0.61	51
	Black	12.83	0.75	4.62	0.27	0.56	0.66	0.79	0.34	7
	Asian	-	-	-	-	-	-	-	-	10 <sup>+</sup>
	American Indian/ Alaskan Native	13.84	0.29	1.72	0.00	0.97	0.27	0.42	0.40	18
3	All Students	15.75	0.11	2.40	0.00	-0.51	0.12	1.38	0.61	186
	Multi-Ethnic	15.56	0.39	1.46	0.00	-0.17	0.58	1.84	0.78	8
	White	15.75	0.13	2.67	0.00	-0.58	0.14	1.42	0.58	137
	Hispanic	15.79	0.30	2.18	0.00	-0.29	0.32	1.01	0.57	21
	Black	16.17	0.54	0.17	0.73	0.50	0.42	0.09	0.62	1
	Asian	15.06	1.26	5.28	0.17	-0.50	1.00	0.34	0.16	3
	American Indian/ Alaskan Native	15.80	0.33	0.72	0.00	-0.43	0.71	2.54	0.90	6
4	All Students	17.12	0.09	2.35	0.00	-0.75	0.08	0.51	0.37	271
	Multi-Ethnic	17.50	0.29	1.43	0.00	-0.50	0.29	0.53	0.51	15
	White	17.12	0.10	2.43	0.00	-0.74	0.09	0.34	0.27	199
	Hispanic	16.99	0.32	2.63	0.00	-1.01	0.35	1.37	0.59	22
	Black	16.99	0.56	2.96	0.00	-0.71	0.66	1.76	0.62	8
	Asian	-	-	-	-	-	-	-	-	12 <sup>+</sup>
	American Indian/ Alaskan Native	17.21	0.60	1.07	0.60	-1.38	0.51	0.51	0.59	4

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Reliability

+ Parameters could not be estimated for this model.

easyCBM Technical Adequacy  
Reliability  
**Table 160**

*Grade 6, Reliability of Passage Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	93.29	1.15	142.58	0.84	9.29	0.65	40.61	0.45	272
	Multi-Ethnic	108.95	5.56	195.78	0.45	12.14	4.25	28.44	0.30	7
	White	94.39	1.43	153.06	0.80	9.97	0.90	54.58	0.51	162
	Hispanic	91.50	2.44	85.33	0.89	8.64	1.12	22.13	0.43	52
	Black	86.40	8.12	127.90	0.89	10.13	4.29	15.61	0.24	5
	Asian	100.25	10.54	109.61	0.78	5.75	6.31	24.94	0.41	2
	American Indian/ Alaskan Native	95.45	6.97	139.45	0.93	6.88	2.97	71.59	0.59	16
2	All Students	129.64	0.57	105.96	0.16	11.63	0.73	86.05	0.71	265
	Multi-Ethnic	130.93	3.04	79.40	0.55	11.77	2.33	11.25	0.29	10
	White	129.57	0.71	119.94	0.00	12.89	0.96	110.48	0.73	185
	Hispanic	129.85	1.41	84.59	0.27	8.13	1.88	102.20	0.78	41
	Black	131.19	5.47	139.15	0.00	8.93	9.59	262.99	0.84	4
	Asian	133.69	2.88	48.06	0.00	11.59	3.57	29.51	0.65	4
	American Indian/ Alaskan Native	130.95	3.78	23.24	0.89	11.15	3.96	79.54	0.91	6
3	All Students	151.06	0.64	124.71	0.22	14.89	0.75	86.24	0.67	268
	Multi-Ethnic	152.69	4.14	265.55	0.15	11.46	3.58	46.68	0.34	14
	White	151.12	0.76	112.62	0.22	16.08	0.88	79.77	0.68	175
	Hispanic	150.29	1.74	104.55	0.31	11.22	2.12	100.98	0.74	34
	Black	157.26	6.38	239.79	0.51	12.07	4.61	28.97	0.27	7
	Asian	154.42	2.29	98.57	0.14	12.69	3.01	87.43	0.73	15
	American Indian/ Alaskan Native	147.75	3.23	57.37	0.44	11.25	4.71	104.31	0.85	6
4	All Students	192.65	1.42	309.11	0.74	13.18	0.85	29.54	0.22	258
	Multi-Ethnic	187.79	5.01	163.31	0.81	11.52	2.56	9.91	0.15	14
	White	192.78	1.61	293.33	0.75	14.55	0.95	25.81	0.21	198
	Hispanic	190.68	5.58	368.70	0.64	11.91	3.71	49.02	0.29	17
	Black	202.80	13.37	321.27	0.85	-2.60	10.07	346.54	0.76	5
	Asian	217.78	20.60	228.00	0.97	11.00	5.04	38.40	0.34	6
	American Indian/ Alaskan Native	178.54	8.75	367.26	0.00	-5.13	10.08	222.95	0.65	4

easyCBM Technical Adequacy  
Reliability  
**Table 161**

*Grade 7, Reliability of Multiple Choice Reading Comprehension Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	9.48	0.12	7.89	0.29	0.79	0.09	0.14	0.05	568
	Multi-Ethnic	9.09	0.60	7.60	0.51	0.85	0.41	0.39	0.12	26
	White	9.92	0.17	7.69	0.19	0.79	0.13	0.23	0.08	265
	Hispanic	9.02	0.20	8.24	0.32	0.80	0.15	0.02	0.01	203
	Black	9.02	0.59	4.01	0.64	0.79	0.36	0.15	0.10	17
	Asian	9.81	0.46	7.51	0.00	0.86	0.44	1.85	0.42	30
	American Indian/ Alaskan Native	9.65	0.86	7.98	0.14	1.06	0.66	0.05	0.02	10
2	All Students	13.69	0.07	4.20	0.00	-0.48	0.07	0.80	0.35	657
	Multi-Ethnic	13.68	0.54	6.20	0.19	-0.99	0.43	0.46	0.17	20
	White	13.73	0.10	4.23	0.00	-0.38	0.09	0.83	0.35	391
	Hispanic	13.62	0.14	4.11	0.00	-0.68	0.13	0.65	0.31	173
	Black	13.77	0.37	2.24	0.00	-0.43	0.40	1.14	0.59	14
	Asian	13.74	0.27	3.68	0.00	-0.34	0.24	0.47	0.27	41
	American Indian/ Alaskan Native	-	-	-	-	-	-	-	-	4 <sup>+</sup>
3	All Students	15.88	0.07	2.70	0.00	-1.19	0.07	0.86	0.48	510
	Multi-Ethnic	15.86	0.39	2.58	0.00	-0.97	0.38	0.90	0.49	15
	White	15.95	0.08	2.70	0.00	-1.20	0.08	0.73	0.43	356
	Hispanic	15.76	0.16	3.04	0.00	-1.36	0.17	1.28	0.55	95
	Black	15.60	0.43	1.45	0.34	-0.69	0.41	0.64	0.57	8
	Asian	15.53	0.31	2.78	0.00	-1.03	0.32	1.05	0.52	23
	American Indian/ Alaskan Native	15.61	0.37	0.49	0.00	-0.50	0.74	1.40	0.90	3
4	All Students	17.86	0.06	1.80	0.00	-1.76	0.06	0.68	0.52	440
	Multi-Ethnic	17.96	0.34	1.54	0.00	-1.27	0.32	0.38	0.42	11
	White	17.89	0.07	1.83	0.00	-1.77	0.07	0.67	0.51	330
	Hispanic	17.73	0.17	1.89	0.00	-1.87	0.20	1.13	0.63	56
	Black	17.95	0.49	1.71	0.32	-2.14	0.37	0.11	0.17	7
	Asian	18.03	0.22	1.54	0.00	-1.66	0.19	0.18	0.25	27
	American Indian/ Alaskan Native	17.50	1.61	1.50	0.73	-1.50	1.25	0.80	0.62	1

<sup>+</sup> Parameters could not be estimated for this model.

easyCBM Technical Adequacy  
Reliability  
**Table 162**

*Grade 7, Reliability of Passage Reading Fluency Growth Slope*

Quartile	Ethnic Group	Fixed effect, Intercept	SE	Level-1 residual variance	Reliability, Intercept	Fixed, effect, slope	SE	Variance, slope	Reliability, Slope	n
1	All Students	111.20	0.90	190.16	0.82	2.54	0.48	31.33	0.32	563
	Multi-Ethnic	115.43	2.87	222.57	0.36	7.44	2.61	73.32	0.49	27
	White	113.94	1.19	221.64	0.74	3.07	0.75	46.63	0.38	283
	Hispanic	109.59	1.48	139.82	0.86	1.01	0.69	16.21	0.25	186
	Black	98.81	9.53	126.63	0.97	0.25	2.59	32.90	0.43	15
	Asian	112.39	3.79	132.95	0.85	4.26	1.97	30.77	0.41	25
	American Indian/ Alaskan Native	103.60	9.92	103.43	0.94	6.14	3.09	14.94	0.29	7
2	All Students	145.43	0.56	181.12	0.25	4.47	0.48	34.03	0.36	555
	Multi-Ethnic	145.01	2.06	95.40	0.00	4.42	2.83	97.88	0.75	18
	White	146.34	0.77	210.91	0.24	5.23	0.65	36.22	0.34	338
	Hispanic	143.62	0.93	134.92	0.29	3.03	0.78	24.08	0.35	152
	Black	145.67	3.22	149.43	0.00	3.00	2.64	8.90	0.15	12
	Asian	144.15	2.45	166.09	0.00	5.65	2.68	82.23	0.60	23
	American Indian/ Alaskan Native	144.50	3.96	81.35	0.28	1.90	2.91	1.60	0.06	5
3	All Students	170.85	0.63	224.03	0.33	5.12	0.50	29.39	0.28	569
	Multi-Ethnic	175.68	5.26	345.51	0.10	2.70	4.23	3.22	0.03	11
	White	171.88	0.82	248.42	0.26	5.77	0.66	26.71	0.24	354
	Hispanic	168.40	1.21	182.55	0.45	3.90	0.96	33.75	0.35	139
	Black	170.79	5.06	196.91	0.38	1.13	3.89	22.79	0.26	8
	Asian	170.19	1.98	167.06	0.32	4.83	1.67	33.46	0.38	42
	American Indian/ Alaskan Native	160.25	4.62	102.24	0.00	5.25	4.29	22.41	0.40	4
4	All Students	209.80	0.92	336.36	0.61	3.57	0.58	13.91	0.11	544
	Multi-Ethnic	198.94	5.22	354.79	0.42	11.04	3.56	0.03	0.00	14
	White	210.30	1.09	339.02	0.61	3.91	0.69	15.57	0.12	393
	Hispanic	207.88	2.08	271.26	0.60	0.36	1.34	15.30	0.14	84
	Black	208.43	11.01	737.89	0.73	5.64	5.85	6.94	0.03	11
	Asian	213.60	4.01	364.54	0.62	3.68	2.44	2.58	0.02	31
	American Indian/ Alaskan Native	206.33	17.71	94.44	0.95	7.50	4.88	0.47	0.02	2

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Validity

**Table 163**  
*Grade 3 Student Characteristics for Validity Regression Analyses- Fall*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	985	47.8%	1069	48.4%	1119	48.4%
Ethnicity						
American Indian/ Alaskan Native	34	1.7%	36	1.7%	36	1.6%
Asian/Pacific Islander	75	3.7%	80	3.7%	92	4.0%
Black	41	2.0%	40	1.9%	44	1.9%
Latino	294	14.5%	346	16.0%	371	16.3%
White	1483	73.3%	1555	72.1%	1623	71.4%
Multi-Ethnic	57	2.8%	60	2.8%	60	2.6%
Special Education	341	16.6%	357	16.2%	363	15.8%
English Language Learner	71	3.4%	99	4.5%	117	5.1%

**Table 164**  
*Grade 3 Student Characteristics for Validity Regression Analyses- Winter*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Gender				
Female	1104	48.1%	1175	47.8%
Ethnicity				
American Indian/ Alaskan Native	37	1.7%	37	1.5%
Asian/Pacific Islander	86	3.8%	95	3.9%
Black	45	2.0%	49	2.0%
Latino	349	15.6%	408	16.9%
White	1616	72.1%	1713	70.9%
Multi-Ethnic	61	2.7%	64	2.6%
Special Education	371	16.2%	400	16.4%
English Language Learner	98	4.3%	130	5.3%

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Validity

**Table 165**  
*Grade 3 Student Characteristics for Validity Regression Analyses- Spring*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1030	48.1%	1066	48.1%	1144	48.2%
Ethnicity						
American Indian/ Alaskan Native	35	1.7%	35	1.6%	36	1.5%
Asian/Pacific Islander	78	3.7%	79	3.7%	94	4.0%
Black	44	2.1%	43	2.0%	46	2.0%
Latino	310	14.8%	342	15.9%	376	16.2%
White	1524	72.8%	1554	72.3%	1659	71.4%
Multi-Ethnic	58	2.8%	57	2.7%	60	2.6%
Special Education	356	16.6%	351	15.9%	382	16.1%
English Language Learner	78	3.6%	93	4.2%	115	4.8%

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Validity

**Table 166**  
*Grade 4 Student Characteristics for Validity Regression Analyses- Fall*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	934	46.8%	1077	47.4%	1088	47.4%
Ethnicity						
American Indian/ Alaskan Native	41	2.1%	45	2.0%	45	2.0%
Asian/Pacific Islander	68	3.5%	80	3.6%	85	3.8%
Black	43	2.2%	45	2.0%	49	2.2%
Latino	285	14.6%	381	17.1%	385	17.1%
White	1393	71.3%	1543	69.4%	1559	69.2%
Multi-Ethnic	90	4.6%	94	4.2%	93	4.1%
Special Education	366	18.4%	399	17.6%	400	17.5%
English Language Learner	59	3.0%	104	4.6%	102	4.4%

**Table 167**  
*Grade 4 Student Characteristics for Validity Regression Analyses- Winter*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Gender				
Female	1045	47.1%	1110	47.4%
Ethnicity				
American Indian/ Alaskan Native	45	2.1%	45	2.0%
Asian/Pacific Islander	76	3.5%	88	3.8%
Black	47	2.2%	49	2.1%
Latino	336	15.5%	394	17.1%
White	1529	70.6%	1587	69.0%
Multi-Ethnic	96	4.4%	98	4.3%
Special Education	394	17.8%	414	17.7%
English Language Learner	78	3.5%	105	4.5%



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**Table 168**  
*Grade 4 Student Characteristics for Validity Regression Analyses-Spring*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	994	46.4%	1067	47.1%	1110	47.0%
Ethnicity						
American Indian/ Alaskan Native	43	2.1%	45	2.0%	45	1.9%
Asian/Pacific Islander	76	3.6%	75	3.4%	92	4.0%
Black	49	2.4%	50	2.3%	52	2.3%
Latino	331	15.9%	349	15.9%	385	16.7%
White	1460	70.1%	1547	70.4%	1598	69.2%
Multi-Ethnic	92	4.4%	95	4.3%	96	4.2%
Special Education	389	18.2%	404	17.8%	414	17.5%
English Language Learner	79	3.7%	82	3.6%	97	4.1%

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**Table 169**

*Grade 5 Student Characteristics for Validity Regression Analyses- Fall*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1112	50.9%	1216	50.8%	1212	49.1%
Ethnicity						
American Indian/ Alaskan Native	44	2.0%	48	2.0%	47	1.9%
Asian/Pacific Islander	88	4.1%	96	4.1%	99	4.1%
Black	47	2.2%	49	2.1%	52	2.1%
Latino	321	15.0%	387	16.5%	433	17.8%
White	1521	70.8%	1635	69.7%	1668	68.6%
Multi-Ethnic	86	4.0%	89	3.8%	90	3.7%
Special Education	391	17.9%	430	18.0%	440	17.8%
English Language Learner	74	3.4%	99	4.1%	117	4.7%

**Table 170**

*Grade 5 Student Characteristics for Validity Regression Analyses- Winter*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Gender				
Female	1131	48.6%	1207	48.8%
Ethnicity				
American Indian/ Alaskan Native	47	2.1%	48	2.0%
Asian/Pacific Islander	94	4.1%	107	4.4%
Black	48	2.1%	56	2.3%
Latino	331	14.5%	403	16.5%
White	1624	71.3%	1689	69.2%
Multi-Ethnic	91	4.0%	91	3.7%
Special Education	420	18.1%	441	17.8%
English Language Learner	76	3.3%	109	4.4%

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Validity

**Table 171**

*Grade 5 Student Characteristics for Validity Regression Analyses- Spring*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	994	46.4%	1067	47.1%	1110	47.0%
Ethnicity						
American Indian/ Alaskan Native	43	2.1%	45	2.0%	45	1.9%
Asian/Pacific Islander	76	3.6%	75	3.4%	92	4.0%
Black	49	2.4%	50	2.3%	52	2.3%
Latino	331	15.9%	349	15.9%	385	16.7%
White	1460	70.1%	1547	70.4%	1598	69.2%
Multi-Ethnic	92	4.4%	95	4.3%	96	4.2%
Special Education	389	18.2%	404	17.8%	414	17.5%
English Language Learner	79	3.7%	82	3.6%	97	4.1%

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Validity

**Table 172**

*Grade 6 Student Characteristics for Validity Regression Analyses- Fall*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1056	50.9%	593	51.1%	1182	50.3%
Ethnicity						
American Indian/ Alaskan Native	56	2.7%	32	2.8%	56	2.4%
Asian/Pacific Islander	76	3.7%	30	2.6%	90	3.8%
Black	47	2.3%	24	2.1%	54	2.3%
Latino	240	11.6%	144	12.4%	243	10.3%
White	1466	70.6%	755	65.1%	1608	68.4%
Multi-Ethnic	69	3.3%	47	4.1%	81	3.4%
Special Education	361	17.4%	210	18.1%	411	17.5%
English Language Learner	70	3.4%	49	4.3%	106	4.6%

**Table 173**

*Grade 6 Student Characteristics for Validity Regression Analyses- Winter*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Gender				
Female	550	51.0%	620	50.4%
Ethnicity				
American Indian/ Alaskan Native	31	2.9%	33	2.7%
Asian/Pacific Islander	28	2.6%	44	3.6%
Black	21	1.9%	33	2.7%
Latino	139	12.9%	138	11.2%
White	743	68.9%	805	65.5%
Multi-Ethnic	44	4.1%	48	3.9%
Special Education	179	16.6%	218	17.7%
English Language Learner	26	2.4%	50	4.1%

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Validity

**Table 174**  
*Grade 6 Student Characteristics for Validity Regression Analyses- Spring*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	1012	50.6%	599	50.3%	1132	50.0%
Ethnicity						
American Indian/ Alaskan Native	51	2.5%	36	3.0%	54	2.4%
Asian/Pacific Islander	72	3.6%	30	2.5%	84	3.7%
Black	43	2.1%	24	2.0%	53	2.3%
Latino	237	11.8%	158	13.3%	242	10.7%
White	1434	71.7%	805	67.6%	1589	70.2%
Multi-Ethnic	66	3.3%	50	4.2%	81	3.6%
Special Education	352	17.6%	237	19.9%	383	16.9%
English Language Learner	57	2.9%	36	3.1%	81	3.7%

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Validity

**Table 175**

*Grade 7 Student Characteristics for Validity Regression Analyses- Fall*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	962	50.8%	1108	48.3%	1633	50.3%
Ethnicity						
American Indian/ Alaskan Native	32	1.7%	18	<1%	32	1.0%
Asian/Pacific Islander	82	4.4%	121	5.3%	182	5.7%
Black	38	2.0%	48	2.1%	69	2.2%
Latino	257	13.8%	592	26.0%	627	19.5%
White	1338	72.1%	1395	61.3%	2125	66.2%
Multi-Ethnic	77	4.1%	72	3.2%	120	3.7%
Special Education	299	94.6%	330	20.1%	432	25.9%
English Language Learner	56	3.0%	145	6.3%	149	4.6%

**Table 176**

*Grade 7 Student Characteristics for Validity Regression Analyses- Winter*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Gender				
Female	1111	48.2%	994	48.2%
Ethnicity				
American Indian/ Alaskan Native	18	<1%	16	<1%
Asian/Pacific Islander	123	5.4%	120	5.8%
Black	49	2.1%	47	2.3%
Latino	592	25.9%	536	26.1%
White	1404	61.3%	1238	60.3%
Multi-Ethnic	69	3.0%	62	3.0%
Special Education	306	18.6%	253	16.7%
English Language Learner	140	6.1%	120	5.8%

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Validity

**Table 177**  
*Grade 7 Student Characteristics for Validity Regression Analyses- Spring*

	Vocabulary		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Gender						
Female	935	50.5%	1173	48.3%	1657	50.2%
Ethnicity						
American Indian/ Alaskan Native	33	1.8%	19	<1%	33	1.0%
Asian/Pacific Islander	78	4.3%	130	5.4%	182	5.6%
Black	42	2.3%	51	2.1%	75	2.3%
Latino	253	14.0%	622	25.9%	656	20.2%
White	1293	71.7%	1470	61.2%	2130	65.5%
Multi-Ethnic	70	3.9%	71	3.0%	120	3.7%
Special Education	290	86.3%	369	21.2%	441	25.3%
English Language Learner	57	3.1%	154	6.3%	154	4.7%

**Table 178****Grade 3 Descriptive Scale Statistics for Concurrent Validity Analyses- Full Sample**

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKS Reading Total	214.48	10.798	3672
Spr10WRF	67.13	29.710	988
Spr10PRF	117.54	43.648	2216
Spr10MCRC	13.52	4.381	2372
Spr10Voc	21.55	4.162	2142

**Table 179****Grade 3 Descriptive Scale Statistics for Concurrent Validity Analyses- By Ethnicity***American Indian/Alaskan Native*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	213.64	8.960	42
Spr10WRF	57.69	20.532	13
Spr10PRF	123.23	39.368	35
Spr10MCRC	13.44	4.404	36
Spr10Voc	21.86	3.173	35

*Asian/Pacific Islander*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	215.70	9.790	189
Spr10WRF	80.04	25.553	23
Spr10PRF	134.13	42.026	79
Spr10MCRC	13.70	4.883	94
Spr10Voc	22.36	2.985	78

*Black*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	211.92	10.535	73
Spr10WRF	66.56	32.674	16
Spr10PRF	110.21	46.604	43
Spr10MCRC	13.70	3.558	46
Spr10Voc	20.89	4.400	44



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*Hispanic*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	208.78	9.672	828
Spr10WRF	64.02	28.644	182
Spr10PRF	108.63	38.858	342
Spr10MCRC	11.53	4.730	376
Spr10Voc	19.27	5.245	310

*White*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	216.40	10.607	2362
Spr10WRF	68.30	29.299	677
Spr10PRF	121.14	42.282	1554
Spr10MCRC	14.06	4.080	1659
Spr10Voc	22.13	3.515	1524

*Multi-Ethnic*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	216.23	10.189	83
Spr10WRF	66.32	20.682	22
Spr10PRF	118.77	45.286	57
Spr10MCRC	13.98	3.680	60
Spr10Voc	22.29	3.608	58

**Table 180**

*Grade 3 Descriptive Scale Statistics for Concurrent Validity Analyses – Special Education Eligibility*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	206.60	11.989	535
Spr10WRF	49.11	25.107	171
Spr10PRF	90.56	41.500	351
Spr10MCRC	11.54	4.603	382
Spr10Voc	18.82	5.473	356

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Validity

**Table 181**

*Grade 3 Descriptive Scale Statistics for Concurrent Validity Analyses – English-Language Learners Eligibility*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKS Reading Total	206.05	7.805	365
Spr10WRF	88.24	44.157	17
Spr10PRF	102.57	31.583	93
Spr10MCRC	10.04	4.864	115
Spr10Voc	17.47	5.772	78

**Table 182***Grade 4 Descriptive Scale Statistics for Concurrent Validity Analyses - Full Sample*

	Mean	Std. Deviation	N
OAKSRdgTot	220.92	10.449	3520
Spr10PRF	140.97	43.471	2267
Spr10MCRC	13.51	4.231	2365
Spr10Voc	19.44	4.419	2141

**Table 183***Grade 4 Descriptive Scale Statistics for Concurrent Validity Analyses – By Ethnicity**American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	220.30	11.618	54
Spr10PRF	133.78	38.636	45
Spr10MCRC	13.67	3.867	45
Spr10Voc	19.14	5.281	43

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	222.17	9.572	179
Spr10PRF	154.25	35.380	75
Spr10MCRC	12.93	4.748	92
Spr10Voc	18.72	4.901	76

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	219.00	9.868	81
Spr10PRF	133.04	38.107	50
Spr10MCRC	13.35	3.118	52
Spr10Voc	20.24	3.407	49

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Validity

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	215.79	9.455	807
Spr10PRF	131.99	39.535	349
Spr10MCRC	11.83	4.642	385
Spr10Voc	16.81	5.215	331

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	222.82	10.225	2198
Spr10PRF	145.23	42.848	1547
Spr10MCRC	14.04	4.000	1598
Spr10Voc	20.15	3.845	1460

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	220.53	10.722	118
Spr10PRF	140.42	43.559	95
Spr10MCRC	13.54	3.866	96
Spr10Voc	19.92	3.951	92

**Table 184**

*Grade 4 Descriptive Scale Statistics for Concurrent Validity Analyses – Special Education Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	213.67	10.949	530
Spr10PRF	112.66	43.483	404
Spr10MCRC	11.67	4.208	414
Spr10Voc	16.61	5.259	389

**Table 185**

*Grade 4 Descriptive Scale Statistics for Concurrent Validity Analyses – English Language Learner Eligibility*

	<i>M</i>	<i>SD</i>	<i>N</i>
OAKSRdgTot	210.66	8.159	274
Spr10PRF	117.87	31.759	82
Spr10MCRC	9.77	4.919	97
Spr10Voc	13.09	5.323	79

**Table 186*****Grade 5 Descriptive Scale Statistics for Concurrent Validity Analyses - Full Sample***

	Mean	Std. Deviation	N
OAKSRdgTot	224.24	9.238	3661
Spr10PRF	167.41	41.563	2440
Spr10MCRC	14.18	3.325	2452
Spr10Voc	20.33	3.964	2249

**Table 187*****Grade 5 Descriptive Scale Statistics for Concurrent Validity Analyses- By Ethnicity****American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	222.84	7.766	61
Spr10PRF	159.53	37.110	49
Spr10MCRC	14.10	3.184	49
Spr10Voc	19.76	4.091	45

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	225.91	9.290	209
Spr10PRF	182.91	39.316	97
Spr10MCRC	14.49	3.450	104
Spr10Voc	20.43	3.932	95

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	219.62	10.445	93
Spr10PRF	146.42	41.884	53
Spr10MCRC	12.66	3.753	56
Spr10Voc	19.00	4.055	51

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	219.31	8.248	783
Spr10PRF	160.73	36.853	373
Spr10MCRC	12.96	3.889	383
Spr10Voc	18.53	4.162	317

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Validity

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	225.94	8.867	2317
Spr10PRF	171.17	39.501	1667
Spr10MCRC	14.58	2.980	1673
Spr10Voc	20.87	3.609	1563

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	224.88	7.877	101
Spr10PRF	174.08	36.891	90
Spr10MCRC	14.93	2.671	89
Spr10Voc	21.52	2.782	87

**Table 188**

*Grade 5 Descriptive Scale Statistics for Concurrent Validity Analyses – Special Education Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	219.72	10.147	595
Spr10PRF	140.48	41.093	437
Spr10MCRC	12.73	3.639	434
Spr10Voc	17.74	4.678	408

**Table 189**

*Grade 5 Descriptive Scale Statistics for Concurrent Validity Analyses – English Language Learner Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	214.87	7.343	269
Spr10PRF	147.08	31.676	93
Spr10MCRC	11.48	4.514	97
Spr10Voc	16.54	4.356	70

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Validity

**Table 190*****Grade 6 Descriptive Scale Statistics for Concurrent Validity Analyses - Full Sample***

	Mean	Std. Deviation	N
OAKSRdgTot	228.69	9.435	3602
Spr10PRF	162.31	50.094	1191
Spr10MCRC	14.55	3.421	2262
Spr10Voc	16.27	4.475	2001

**Table 191*****Grade 6 Descriptive Scale Statistics for Concurrent Validity Analyses – By Ethnicity****American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	227.61	8.716	59
Spr10PRF	135.53	45.688	36
Spr10MCRC	14.69	3.364	54
Spr10Voc	15.61	4.219	51

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	229.86	8.197	173
Spr10PRF	182.53	47.610	30
Spr10MCRC	14.50	3.665	84
Spr10Voc	17.10	4.057	72

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	225.19	9.320	83
Spr10PRF	154.83	44.577	24
Spr10MCRC	13.08	4.196	53
Spr10Voc	14.81	3.990	43

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Validity

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	223.76	8.689	259
Spr10PRF	145.92	43.227	158
Spr10MCRC	13.60	3.428	242
Spr10Voc	13.93	4.188	237

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	229.99	9.362	2422
Spr10PRF	168.20	49.539	805
Spr10MCRC	14.96	3.049	1589
Spr10Voc	16.84	4.271	1434

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	229.85	9.558	150
Spr10PRF	167.08	43.781	50
Spr10MCRC	14.60	3.917	81
Spr10Voc	16.11	4.971	66

**Table 192**

*Grade 6 Descriptive Scale Statistics for Concurrent Validity Analyses – Special Education Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	221.32	9.915	574
Spr10PRF	130.18	49.306	237
Spr10MCRC	13.13	3.776	383
Spr10Voc	13.91	4.483	352

**Table 193**

*Grade 6 Descriptive Scale Statistics for Concurrent Validity Analyses – English Language Learner Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	218.21	7.168	199
Spr10PRF	131.50	36.689	36
Spr10MCRC	11.88	4.584	81
Spr10Voc	12.61	4.283	57



**Table 194*****Grade 7 Descriptive Scale Statistics for Concurrent Validity Analyses - Full Sample***

	Mean	Std. Deviation	N
OAKSRdgTot	234.02	9.715	3471
Spr10PRF	159.79	43.333	2431
Spr10MCRC	12.51	2.929	3304
Spr10Voc	15.88	4.929	1853

**Table 195*****Grade 7 Descriptive Scale Statistics for Concurrent Validity Analyses – By Ethnicity****American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	233.15	7.067	34
Spr10PRF	147.32	40.508	19
Spr10MCRC	12.06	2.715	33
Spr10Voc	15.97	4.276	33

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	235.36	9.921	191
Spr10PRF	166.36	40.424	130
Spr10MCRC	12.77	2.949	182
Spr10Voc	17.19	4.968	78

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	229.65	9.951	77
Spr10PRF	153.86	51.275	51
Spr10MCRC	11.95	3.044	75
Spr10Voc	14.79	4.981	42

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Validity

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	228.61	8.860	723
Spr10PRF	147.21	40.272	622
Spr10MCRC	11.66	3.093	656
Spr10Voc	13.64	4.774	253

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	235.78	9.370	2262
Spr10PRF	166.17	42.640	1470
Spr10MCRC	12.82	2.769	2130
Spr10Voc	16.34	4.842	1293

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	234.18	8.770	124
Spr10PRF	157.21	40.233	71
Spr10MCRC	12.33	3.293	120
Spr10Voc	16.33	4.649	70

**Table 196**

*Grade 7 Descriptive Scale Statistics for Concurrent Validity Analyses – Special Education Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	225.66	9.759	497
Spr10PRF	119.54	41.243	369
Spr10MCRC	10.45	3.504	441
Spr10Voc	13.51	4.529	290

**Table 197**

*Grade 7 Descriptive Scale Statistics for Concurrent Validity Analyses – English Language Learner Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	222.22	7.371	177
Spr10PRF	119.15	34.445	154
Spr10MCRC	10.18	3.239	154
Spr10Voc	11.23	4.524	57

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**Table 198**  
*Grade 3 Measure Intercorrelations for Validity Analyses*

		OAKSRdgTot	Fall09WRF	Wint10WRF	Spr10WRF	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson	---	.596**	.605**	.529**	.668**	.661**	.671**	.574**	.541**	.607**	.701**	.675**
	Correlation												
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	N		821	932	953	2145	2232	2146	2252	2391	2314	2015	2089
Fall09WRF	Pearson		---	.916**	.911**	.919**	.826**	.870**	.602**	.470**	.481**	.736**	.681**
	Correlation												
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	N			800	838	808	844	800	840	837	834	796	796
Wint10WRF	Pearson			---	.906**	.866**	.909**	.867**	.592**	.458**	.513**	.706**	.672**
	Correlation												
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000	.000	.000	.000
	N				861	910	966	926	903	955	919	899	918
Spr10WRF	Pearson				---	.788**	.753**	.889**	.507**	.422**	.433**	.678**	.655**
	Correlation												
	Sig. (2-tailed)					.000	.000	.000	.000	.000	.000	.000	.000
	N					878	948	918	920	942	974	852	910
Fall09PRF	Pearson					---	.909**	.893**	.654**	.550**	.564**	.725**	.643**
	Correlation												
	Sig. (2-tailed)						.000	.000	.000	.000	.000	.000	.000
	N						2156	2086	2149	2140	2112	1999	1988
Wint10PRF	Pearson						---	.912**	.649**	.539**	.577**	.707**	.647**
	Correlation												
	Sig. (2-tailed)							.000	.000	.000	.000	.000	.000
	N							2132	2192	2261	2202	1997	2022

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		OAKSRdgTot	Fall09WRF	Wint10WRF	Spr10WRF	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
Spr10PRF	Pearson							---	.643**	.564**	.588**	.703**	.654**
	Correlation												
	Sig. (2-tailed)								.000	.000	.000	.000	.000
	N								2077	2112	2178	1947	2058
Fall09MCRC	Pearson								---	.567**	.567**	.631**	.531**
	Correlation												
	Sig. (2-tailed)									.000	.000	.000	.000
	N								2236	2185	2041	2010	
Wint10MCRC	Pearson									---	.569**	.592**	.526**
	Correlation												
	Sig. (2-tailed)										.000	.000	.000
	N									2240	2025	2052	
Spr10MCRC	Pearson										---	.601**	.635**
	Correlation												
	Sig. (2-tailed)											.000	.000
	N										2000	2133	
Fall09Voc	Pearson											---	.722**
	Correlation												
	Sig. (2-tailed)												.000
	N												1992

\*\* . Correlation is significant at the 0.01 level (2-tailed).



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Validity

		OAKSRdgTot	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson Correlation	---	.669**	.643**	.656**	.673**	.548**	.599**	.709**	.690**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000
	N		2211	2163	2194	2244	2288	2304	1953	2081
Fall09PRF	Pearson Correlation		---	.898**	.884**	.626**	.521**	.516**	.714**	.611**
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000
	N			2155	2133	2208	2171	2118	1962	1957
Wint10PRF	Pearson Correlation			---	.909**	.612**	.551**	.527**	.692**	.617**
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000
	N				2183	2147	2192	2165	1960	1995
Spr10PRF	Pearson Correlation				---	.590**	.537**	.532**	.681**	.602**
	Sig. (2-tailed)					.000	.000	.000	.000	.000
	N					2126	2164	2242	1937	2067
Fall09MCRC	Pearson Correlation					---	.640**	.605**	.671**	.598**
	Sig. (2-tailed)						.000	.000	.000	.000
	N						2170	2143	1982	1970
Wint10MCRC	Pearson Correlation						---	.610**	.593**	.580**
	Sig. (2-tailed)							.000	.000	.000
	N							2174	1958	2001
Spr10MCRC	Pearson Correlation							---	.568**	.599**
	Sig. (2-tailed)								.000	.000
	N								1938	2128
Fall09Voc	Pearson Correlation								---	.709**
	Sig. (2-tailed)									.000
	N									1933

\*\* . Correlation is significant at the 0.01 level (2-tailed).



easyCBM Technical Adequacy  
Validity

		OAKSRdgTot	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson Correlation	---	.673**	.654**	.651**	.562**	.526**	.545**	.698**	.683**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000
	N		2331	2269	2368	2410	2428	2395	2140	2195
Fall09PRF	Pearson Correlation		---	.907**	.890**	.596**	.553**	.521**	.655**	.607**
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000
	N			2268	2312	2353	2293	2234	2105	2060
Wint10PRF	Pearson Correlation			---	.898**	.577**	.541**	.516**	.637**	.572**
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000
	N				2283	2262	2294	2253	2067	2081
Spr10PRF	Pearson Correlation				---	.578**	.544**	.522**	.609**	.563**
	Sig. (2-tailed)					.000	.000	.000	.000	.000
	N					2301	2268	2338	2054	2163
Fall09MCRC	Pearson Correlation					---	.638**	.546**	.604**	.576**
	Sig. (2-tailed)						.000	.000	.000	.000
	N						2339	2272	2161	2101
Wint10MCRC	Pearson Correlation						---	.591**	.604**	.579**
	Sig. (2-tailed)							.000	.000	.000
	N							2328	2138	2150
Spr10MCRC	Pearson Correlation							---	.548**	.567**
	Sig. (2-tailed)								.000	.000
	N								2098	2243
Fall09Voc	Pearson Correlation								---	.745**
	Sig. (2-tailed)									.000
	N									2087

\*\* . Correlation is significant at the 0.01 level (2-tailed).



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Validity

**Table 201*****Grade 6 Measure Intercorrelations for Validity Analyses***

		OAKSRdgTot	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson Correlation	---	.645**	.647**	.665**	.551**	.440**	.554**	.693**	.708**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000
	N		1134	1057	1154	2299	1211	2206	2036	1950
Fall09PRF	Pearson Correlation		---	.883**	.879**	.532**	.525**	.470**	.582**	.557**
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000
	N			1035	1036	1142	886	1038	935	861
Wint10PRF	Pearson Correlation			---	.901**	.523**	.511**	.474**	.576**	.560**
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000
	N				1049	1043	879	1040	888	865
Spr10PRF	Pearson Correlation				---	.535**	.516**	.517**	.588**	.570**
	Sig. (2-tailed)					.000	.000	.000	.000	.000
	N					1122	873	1168	971	987
Fall09MCRC	Pearson Correlation					---	.536**	.528**	.538**	.519**
	Sig. (2-tailed)						.000	.000	.000	.000
	N						1125	2104	2071	1889
Wint10MCRC	Pearson Correlation						---	.480**	.413**	.465**
	Sig. (2-tailed)							.000	.000	.000
	N							1071	949	861
Spr10MCRC	Pearson Correlation							---	.489**	.536**
	Sig. (2-tailed)								.000	.000
	N								1943	1994
Fall09Voc	Pearson Correlation								---	.733**
	Sig. (2-tailed)									.000
	N	2036	935	888	971	2071	949	1943	2076	1876

easyCBM Technical Adequacy  
Validity

		OAKSRdgTot	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson Correlation	---	.645**	.647**	.665**	.551**	.440**	.554**	.693**	.708**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000
	N		1134	1057	1154	2299	1211	2206	2036	1950
Fall09PRF	Pearson Correlation		---	.883**	.879**	.532**	.525**	.470**	.582**	.557**
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000
	N			1035	1036	1142	886	1038	935	861
Wint10PRF	Pearson Correlation			---	.901**	.523**	.511**	.474**	.576**	.560**
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000
	N				1049	1043	879	1040	888	865
Spr10PRF	Pearson Correlation				---	.535**	.516**	.517**	.588**	.570**
	Sig. (2-tailed)					.000	.000	.000	.000	.000
	N					1122	873	1168	971	987
Fall09MCRC	Pearson Correlation					---	.536**	.528**	.538**	.519**
	Sig. (2-tailed)						.000	.000	.000	.000
	N						1125	2104	2071	1889
Wint10MCRC	Pearson Correlation						---	.480**	.413**	.465**
	Sig. (2-tailed)							.000	.000	.000
	N							1071	949	861
Spr10MCRC	Pearson Correlation							---	.489**	.536**
	Sig. (2-tailed)								.000	.000
	N								1943	1994
Fall09Voc	Pearson Correlation								---	.733**
	Sig. (2-tailed)									.000
	N	2036	935	888	971	2071	949	1943	2076	1876

\*\* . Correlation is significant at the 0.01 level (2-tailed).



easyCBM Technical Adequacy  
Validity

		OAKSRdgTot	Fall09PRF	Wint10PRF	Spr10PRF	Fall09MCRC	Wint10MCRC	Spr10MCRC	Fall09Voc	Spr10Voc
OAKSRdgTot	Pearson Correlation	---	.663**	.683**	.693**	.650**	.606**	.596**	.670**	.625**
	Sig. (2-tailed)		.000	.000	.000	.000	.000	.000	.000	.000
	N		2255	2273	2375	3191	2036	3231	1855	1797
Fall09PRF	Pearson Correlation		---	.891**	.902**	.525**	.492**	.475**	.532**	.354**
	Sig. (2-tailed)			.000	.000	.000	.000	.000	.000	.000
	N			2220	2239	2132	1973	2094	804	754
Wint10PRF	Pearson Correlation			---	.903**	.539**	.513**	.495**	.519**	.353**
	Sig. (2-tailed)				.000	.000	.000	.000	.000	.000
	N				2256	2090	2001	2102	777	753
Spr10PRF	Pearson Correlation				---	.545**	.505**	.497**	.541**	.390**
	Sig. (2-tailed)					.000	.000	.000	.000	.000
	N					2161	2014	2246	830	856
Fall09MCRC	Pearson Correlation					---	.549**	.503**	.519**	.493**
	Sig. (2-tailed)						.000	.000	.000	.000
	N						1942	3079	1889	1754
Wint10MCRC	Pearson Correlation						---	.458**	.412**	.318**
	Sig. (2-tailed)							.000	.000	.000
	N							1948	644	635
Spr10MCRC	Pearson Correlation							---	.447**	.444**
	Sig. (2-tailed)								.000	.000
	N								1780	1847
Fall09Voc	Pearson Correlation								---	.703**
	Sig. (2-tailed)									.000
	N									1708

\*\* . Correlation is significant at the 0.01 level (2-tailed).

easyCBM Technical Adequacy  
Validity

**Table 203**

*Grade 3 Full Sample Spring Word Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.529	.280	.279	9.182

Model Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	200.471	.748		268.128	.000
	Spr10WRF	.194	.010	.529	19.219	.000

**Table 204**

*Grade 3 Spring Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.502	.252	.184	7.391	.252	3.705	1	11	.080

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.922	6.336		31.555	.000	185.977	213.867			
	Spr10WRF	.200	.104	.502	1.925	.080	-.029	.429	.502	.502	.502

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.380 <sup>a</sup>	.144	.103	9.981	.144	3.539	1	21	.074

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10WRF	.157	.083	.380	1.881	.074	-.017	.330	.380	.380	.380

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.691	.477	.440	7.264	.477	12.789	1	14	.003

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10WRF	.205	.057	.691	3.576	.003	.082	.328	.691	.691	.691

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Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.589	.347	.343	8.925	.347	95.636	1	180	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	194.534	1.624		119.819	.000	191.330	197.737	
	Spr10WRF	.226	.023	.589	9.779	.000	.181	.272	.589	.589	.589

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.523	.273	.272	8.950	.273	252.788	1	673	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	202.076	.874		231.244	.000	200.360	203.791	
	Spr10WRF	.187	.012	.523	15.899	.000	.164	.210	.523	.523	.523

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.835	.697	.682	6.319	.697	45.998	1	20	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	186.603	4.622		40.370	.000	176.961	196.245			
	Spr10WRF	.452	.067	.835	6.782	.000	.313	.591	.835	.835	.835

**Table 205**

*Grade 3 Spring Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.605 <sup>a</sup>	.366	.362	9.120	.366	96.805	1	168	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	191.643	1.536		124.793	.000	188.611	194.675			
	Spr10WRF	.274	.028	.605	9.839	.000	.219	.329	.605	.605	.605



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Validity  
**Table 206**

*Grade 3 Spring Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model		Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.405 <sup>a</sup>	.164	.108	10.634	.164	2.935	1	15	.107	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.428	5.905		34.448	.000	190.841	216.015			
	Spr10WRF	.103	.060	.405	1.713	.107	-.025	.231	.405	.405	.405

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Validity  
**Table 207**

*Grade 3 Full Sample Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.671	.450	.450	7.907

Model Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	194.669	.512		380.340	.000
	Spr10PRF	.169	.004	.671	41.889	.000

**Table 208**

*Grade 3 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.704	.496	.481	6.008	.496	32.454	1	33	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.454	3.382		57.800	.000	188.574	202.333			
	Spr10PRF	.149	.026	.704	5.697	.000	.096	.202	.704	.704	.704

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.639 <sup>a</sup>	.408	.400	8.036	.408	53.101	1	77	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.158	.022	.639	7.287	.000	.115	.201	.639	.639	.639

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.669	.448	.434	6.892	.448	33.210	1	41	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.132	.023	.669	5.763	.000	.085	.178	.669	.669	.669

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Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.667	.444	.443	7.349	.444	271.844	1	340	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	191.430	1.181		162.026	.000	189.106	193.754			
	Spr10PRF	.169	.010	.667	16.488	.000	.149	.189	.667	.667	.667

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.663	.439	.439	7.923	.439	1213.464	1	1550	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.884	.610		320.965	.000	194.687	197.081			
	Spr10PRF	.166	.005	.663	34.835	.000	.156	.175	.663	.663	.663

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.736	.541	.533	7.523	.541	64.954	1	55	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.295	2.818		68.936	.000	188.647	199.944			
	Spr10PRF	.179	.022	.736	8.059	.000	.134	.223	.736	.736	.736

**Table 209**

*Grade 3 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.707	.500	.498	8.663	.500	347.668	1	348	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	188.429	1.117		168.754	.000	186.233	190.625			
	Spr10PRF	.209	.011	.707	18.646	.000	.187	.231	.707	.707	.707

easyCBM Technical Adequacy  
Validity  
**Table 210**

*Grade 3 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.506	.256	.248	6.859	.256	31.324	1	91	.000	

Model Coefficients													
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations			
		B		Std. Error	Beta		t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part		
1	(Constant)	195.056	2.429		80.310	.000	190.232	199.881					
	Spr10PRF	.127	.023	.506	5.597	.000	.082	.172	.506	.506	.506		

easyCBM Technical Adequacy  
Validity

**Table 211**

*Grade 3 Full Sample Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.607	.368	.368	8.555

Model Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	194.413	.589		330.191	.000
	Spr10MCRC	1.512	.041	.607	36.684	.000

**Table 212**

*Grade 3 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.547 <sup>a</sup>	.300	.279	7.689	.300	14.539	1	34	.001

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.067	4.169		47.506	.000	189.594	206.540			
	Spr10MCRC	1.125	.295	.547	3.813	.001	.525	1.725	.547	.547	.547

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.587	.344	.337	8.249	.344	48.304	1	92	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.850	2.547		78.479	.000	194.793	204.908	
	Spr10MCRC	1.217	.175	.587	6.950	.000	.870	1.565	.587	.587	.587

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.668	.446	.433	6.780	.446	35.384	1	44	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	189.337	4.017		47.136	.000	181.241	197.432	
	Spr10MCRC	1.690	.284	.668	5.948	.000	1.117	2.262	.668	.668	.668



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.548	.300	.299	8.237	.300	159.337	1	371	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.236	1.139		172.274	.000	193.996	198.475			
	Spr10MCRC	1.150	.091	.548	12.623	.000	.971	1.329	.548	.548	.548

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.592	.350	.350	8.609	.350	892.351	1	1654	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.406	.760		255.908	.000	192.916	195.896			
	Spr10MCRC	1.550	.052	.592	29.872	.000	1.448	1.651	.592	.592	.592

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.725	.526	.518	7.562	.526	64.369	1	58	.000

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	185.952	3.866		48.095	.000	178.213	193.692	
	Spr10MCRC	2.146	.268	.725	8.023	.000	1.611	2.682	.725	.725	.725

**Table 213**

*Grade 3 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.633	.400	.399	9.513	.400	250.297	1	375	.000

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	187.797	1.343		139.847	.000	185.157	190.438	
	Spr10MCRC	1.701	.108	.633	15.821	.000	1.490	1.913	.633	.633	.633

easyCBM Technical Adequacy  
Validity  
**Table 214**

*Grade 3 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.442	.195	.188	7.237	.195	26.638	1	110	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.315	1.617		123.918	.000	197.112	203.519			
	Spr10MCRC	.740	.143	.442	5.161	.000	.456	1.024	.442	.442	.442

easyCBM Technical Adequacy  
Validity

**Table 215**

*Grade 3 Full Sample Spring Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.675	.456	.456	7.950

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	175.141	.968		180.865	.000
	Spr10Voc	1.837	.044	.675	41.838	.000

**Table 216**

*Grade 3 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.610	.373	.354	7.324	.373	19.606	1	33	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	174.686	8.741		19.985	.000	156.903	192.470			
	Spr10Voc	1.753	.396	.610	4.428	.000	.947	2.558	.610	.610	.610

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.711	.505	.498	7.326	.505	77.508	1	76	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10Voc	2.463	.280	.711	8.804	.000	1.905	3.020	.711	.711	.711

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.733	.537	.526	6.252	.537	48.788	1	42	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10Voc	1.514	.217	.733	6.985	.000	1.076	1.951	.733	.733	.733

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.708	.501	.499	7.318	.501	307.082	1	306	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	182.549	1.604		113.842	.000	179.394	185.704			
	Spr10Voc	1.404	.080	.708	17.524	.000	1.246	1.561	.708	.708	.708

**White**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.665	.442	.441	7.952	.442	1202.728	1	1521	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	171.512	1.299		132.005	.000	168.964	174.061			
	Spr10Voc	2.011	.058	.665	34.680	.000	1.897	2.125	.665	.665	.665

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.755	.569	.562	7.235	.569	74.054	1	56	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	
1	(Constant)	165.338	5.997		27.570	.000	153.325	177.351				
	Spr10Voc	2.286	.266	.755	8.605	.000	1.754	2.818	.755	.755	.755	

**Table 217**

*Grade 3 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.750	.563	.562	8.117	.563	453.213	1	352	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	
1	(Constant)	175.726	1.556		112.950	.000	172.666	178.786				
	Spr10Voc	1.687	.079	.750	21.289	.000	1.531	1.843	.750	.750	.750	

easyCBM Technical Adequacy  
Validity  
**Table 218**

*Grade 3 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.546	.298	.289	7.071	.298	31.419	1	74	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.510	2.642		73.239	.000	188.245	198.775			
	Spr10Voc	.798	.142	.546	5.605	.000	.514	1.082	.546	.546	.546



easyCBM Technical Adequacy  
Validity

**Table 219**  
*Grade 3 Full Sample Spring Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.775	.601	.599	6.836	.601	340.682	4	905	.000

a. Predictors: (Constant), Spr10Voc, Spr10MCRC, Spr10WRF, Spr10PRF

Model Coefficients													
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
		1	(Constant)	177.074			1.253		141.299	.000	174.615	179.534	
	Spr10WRF	-.156	.018	-.429	-8.463	.000	-.192	-.120	.529	-.271	-.178	.172	5.818
	Spr10PRF	.177	.013	.715	13.499	.000	.151	.203	.671	.409	.283	.157	6.358
	Spr10MCRC	.252	.076	.102	3.340	.001	.104	.401	.607	.110	.070	.469	2.133
	Spr10Voc	1.099	.084	.423	13.016	.000	.933	1.264	.675	.397	.273	.417	2.400

easyCBM Technical Adequacy  
Validity

**Table 220**  
*Grade 4 Full Sample Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.656	.431	.431	7.750

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	(Constant)	198.681	.584			340.121	.000
	Spr10PRF	.160	.004	.656		40.746	.000

**Table 221**  
*Grade 4 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.728	.530	.519	8.111	.530	48.497	1	43	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	190.382	4.403		43.238	.000	181.503	199.262			
	Spr10PRF	.220	.032	.728	6.964	.000	.157	.284	.728	.728	.728

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.613	.375	.367	7.489	.375	43.872	1	73	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.163	.025	.613	6.624	.000	.114	.212	.613	.613	.613

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.594	.353	.339	7.554	.353	26.149	1	48	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.145	.028	.594	5.114	.000	.088	.202	.594	.594	.594

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.625	.391	.389	7.576	.391	221.114	1	345	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.155	.010	.625	14.870	.000	.134	.175	.625	.625	.625

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.655	.429	.429	7.683	.429	1161.592	1	1545	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.155	.005	.655	34.082	.000	.146	.164	.655	.655	.655

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.713	.509	.504	7.311	.509	96.409	1	93	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.595	2.544		77.279	.000	191.543	201.647			
	Spr10PRF	.170	.017	.713	9.819	.000	.136	.204	.713	.713	.713

**Table 222**  
*Grade 4 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.685	.470	.469	8.033	.470	354.477	1	400	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.701	1.120		173.775	.000	192.498	196.903			
	Spr10PRF	.174	.009	.685	18.828	.000	.156	.193	.685	.685	.685

easyCBM Technical Adequacy  
Validity

**Table 223**

*Grade 4 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.606	.367	.359	6.560	.367	45.792	1	79	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.942	2.899		66.911	.000	188.173	199.711			
	Spr10PRF	.160	.024	.606	6.767	.000	.113	.207	.606	.606	.606

easyCBM Technical Adequacy  
Validity

**Table 224**

*Grade 4 Full Sample Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model Summary					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	
1	.599	.359	.359	8.146	

Model Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	201.637	.575		350.486	.000
	Spr10MCRC	1.454	.040	.599	35.936	.000

**Table 225**

*Grade 4 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.768	.589	.580	7.580	.589	61.750	1	43	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	188.130	4.194		44.859	.000	179.672	196.588			
	Spr10MCRC	2.322	.296	.768	7.858	.000	1.726	2.918	.768	.768	.768

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.402	.162	.152	8.467	.162	17.143	1	89	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	212.213	2.607		81.397	.000	207.032	217.393			
	Spr10MCRC	.781	.189	.402	4.140	.000	.406	1.155	.402	.402	.402

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.661	.437	.426	7.136	.437	38.820	1	50	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.908	4.390		43.940	.000	184.090	201.726			
	Spr10MCRC	1.997	.320	.661	6.231	.000	1.353	2.641	.661	.661	.661



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.559	.313	.311	7.881	.313	173.964	1	382	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.400	1.105		184.017	.000	201.226	205.573	
	Spr10MCRC	1.146	.087	.559	13.190	.000	.975	1.317	.559	.559	.559

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.595	.354	.353	8.093	.354	872.961	1	1594	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.517	.741		271.783	.000	200.062	202.971	
	Spr10MCRC	1.500	.051	.595	29.546	.000	1.400	1.600	.595	.595	.595

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Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.650	.422	.416	8.099	.422	68.662	1	94	.000

Model	Model Coefficients										
	Unstandardized Coefficients			Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
	B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.102	3.026		64.816	.000	190.095	202.109			
	Spr10MCRC	1.781	.215	.650	8.286	.000	1.354	2.208	.650	.650	.650

**Table 226**  
*Grade 4 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.591	.349	.347	8.843	.349	218.501	1	408	.000

Model	Model Coefficients										
	Unstandardized Coefficients			Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
	B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.392	1.301		151.010	.000	193.836	198.949			
	Spr10MCRC	1.544	.104	.591	14.782	.000	1.339	1.749	.591	.591	.591

easyCBM Technical Adequacy  
Validity

**Table 227**

*Grade 4 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.440	.193	.185	7.260	.193	22.748	1	95	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.751	1.646		124.964	.000	202.483	209.020			
	Spr10MCRC	.718	.151	.440	4.769	.000	.419	1.018	.440	.440	.440

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Validity

**Table 228**  
*Grade 4 Full Sample Spring Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.690	.476	.476	7.368

Model Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	189.416	.752		251.862	.000
	Spr10Voc	1.632	.038	.690	43.446	.000

**Table 229**  
*Grade 4 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.547	.299	.282	10.101	.299	17.518	1	41	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.378	5.856		33.537	.000	184.552	208.204			
	Spr10Voc	1.235	.295	.547	4.185	.000	.639	1.832	.547	.547	.547

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.581	.337	.328	7.453	.337	37.135	1	73	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10Voc	1.100	.180	.581	6.094	.000	.740	1.459	.581	.581	.581

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.679	.461	.450	6.781	.461	40.211	1	47	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10Voc	1.822	.287	.679	6.341	.000	1.244	2.400	.679	.679	.679

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.678	.459	.458	7.141	.459	279.687	1	329	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.853	1.326		147.676	.000	193.244	198.462			
	Spr10Voc	1.261	.075	.678	16.724	.000	1.112	1.409	.678	.678	.678

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.696	.485	.484	7.221	.485	1369.114	1	1456	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	185.339	1.020		181.668	.000	183.338	187.340			
	Spr10Voc	1.839	.050	.696	37.002	.000	1.742	1.937	.696	.696	.696

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.721	.519	.514	7.346	.519	97.241	1	90	.000

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	182.172	3.958		46.023	.000	174.308	190.036	
	Spr10Voc	1.922	.195	.721	9.861	.000	1.535	2.309	.721	.721	.721

**Table 230**  
*Grade 4 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.748	.559	.558	7.305	.559	487.606	1	384	.000

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	187.972	1.253		149.964	.000	185.507	190.436	
	Spr10Voc	1.584	.072	.748	22.082	.000	1.443	1.725	.748	.748	.748

easyCBM Technical Adequacy  
Validity  
**Table 231**

*Grade 4 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.495	.245	.236	7.059	.245	25.046	1	77	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.178	2.120		95.856	.000	198.957	207.398			
	Spr10Voc	.751	.150	.495	5.005	.000	.452	1.050	.495	.495	.495



easyCBM Technical Adequacy  
Validity

**Table 232**  
*Grade 4 Full Sample Spring Easy CBM Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>									
Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.769 <sup>a</sup>	.592	.591	6.680	.592	997.665	3	2063	.000

a. Predictors: (Constant), Spr10Voc, Spr10MCRC, Spr10PRF

<b>Model Coefficients</b>													
Model		Standardized				95.0% Confidence Interval for B		Correlations			Collinearity Statistics		
		Unstandardized Coefficients		Coefficients		Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF	
		B	Std. Error	Beta	t								Sig.
1	(Constant)	186.001	.676		275.058	.000	184.675	187.327					
	Spr10PRF	.078	.004	.324	17.703	.000	.069	.086	.656	.363	.249	.592	1.689
	Spr10MCRC	.503	.045	.204	11.182	.000	.415	.592	.599	.239	.157	.595	1.681
	Spr10Voc	.882	.046	.373	19.302	.000	.793	.972	.690	.391	.271	.530	1.888

easyCBM Technical Adequacy  
Validity

**Table 233**  
*Grade 5 Full Sample Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.651	.423	.423	6.897

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
1	(Constant)	199.211	.628			317.020	.000
	Spr10PRF	.151	.004	.651		41.675	.000

**Table 234**  
*Grade 5 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.553	.305	.291	6.613	.305	20.673	1	47	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.691	4.210		48.615	.000	196.221	213.162			
	Spr10PRF	.117	.026	.553	4.547	.000	.065	.169	.553	.553	.553

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.679	.462	.456	7.480	.462	81.418	1	95	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.175	.019	.679	9.023	.000	.137	.214	.679	.679	.679

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.738	.544	.535	7.272	.544	60.880	1	51	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10PRF	.188	.024	.738	7.803	.000	.140	.236	.738	.738	.738

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.635	.404	.402	6.322	.404	248.274	1	367	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.683	1.495		132.247	.000	194.744	200.623			
	Spr10PRF	.142	.009	.635	15.757	.000	.125	.160	.635	.635	.635

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.644	.415	.415	6.835	.415	1178.415	1	1660	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.615	.751		267.292	.000	199.143	202.088			
	Spr10PRF	.147	.004	.644	34.328	.000	.138	.155	.644	.644	.644

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Validity

**Multi-Ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.608	.369	.362	6.021	.369	51.488	1	88	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.047	3.078			66.300	.000	197.930	210.163			
	Spr10PRF	.124	.017	.608	7.176	.000	.090	.159	.608	.608	.608	

**Table 235**  
*Grade 5 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.639	.409	.407	7.688	.409	298.717	1	432	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.577	1.317			149.227	.000	193.988	199.166			
	Spr10PRF	.155	.009	.639	17.283	.000	.138	.173	.639	.639	.639	

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Validity

**Table 236**

*Grade 5 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.482	.232	.224	6.726	.232	26.651	1	88	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.157	3.585		55.551	.000	192.033	206.282			
	Spr10PRF	.122	.024	.482	5.162	.000	.075	.169	.482	.482	.482

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Validity

**Table 237**  
*Grade 5 Full Sample Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.545	.297	.297	7.632

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	202.827	.707		286.688	.000
	Spr10MCRC	1.536	.048	.545	31.795	.000

**Table 238**  
*Grade 5 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.616	.380	.366	6.250	.380	28.762	1	47	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10MCRC	1.520	.283	.616	5.363	.000	.950	2.090	.616	.616	.616

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.371	.137	.129	9.614	.137	16.229	1	102	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Coefficients	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		Beta									
1	(Constant)	210.559	4.089		51.497	.000	202.449	218.669			
	Spr10MCRC	1.106	.275	.371	4.029	.000	.562	1.651	.371	.371	.371

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.505	.255	.241	9.143	.255	18.485	1	54	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B				Correlations		
		B	Std. Error	Coefficients	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		Beta									
1	(Constant)	201.064	4.335		46.383	.000	192.374	209.755			
	Spr10MCRC	1.412	.329	.505	4.299	.000	.754	2.071	.505	.505	.505



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.523 <sup>a</sup>	.273	.271	6.852	.273	141.836	1	377	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.528	1.257		164.240	.000	204.055	209.000			
	Spr10MCRC	1.103	.093	.523	11.910	.000	.921	1.285	.523	.523	.523

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.551 <sup>a</sup>	.304	.303	7.479	.304	726.933	1	1666	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.388	.921		218.684	.000	199.582	203.194			
	Spr10MCRC	1.667	.062	.551	26.962	.000	1.546	1.788	.551	.551	.551

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Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.450 <sup>a</sup>	.202	.193	6.788	.202	22.040	1	87	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.725	4.109		50.304	.000	198.556	214.893			
	Spr10MCRC	1.272	.271	.450	4.695	.000	.733	1.811	.450	.450	.450

**Table 239**  
*Grade 5 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.569	.323	.322	8.377	.323	204.891	1	429	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.291	1.484		133.628	.000	195.374	201.207			
	Spr10MCRC	1.603	.112	.569	14.314	.000	1.383	1.823	.569	.569	.569

easyCBM Technical Adequacy  
Validity

**Table 240**

*Grade 5 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.547	.300	.292	6.206	.300	39.798	1	93	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.892	1.778		116.332	.000	203.361	210.424			
	Spr10MCRC	.902	.143	.547	6.309	.000	.618	1.186	.547	.547	.547

easyCBM Technical Adequacy  
Validity

**Table 241**  
*Grade 5 Full Sample Spring Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.683	.466	.466	6.610

Coefficients						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	191.357	.778		245.915	.000
	Spr10Voc	1.633	.037	.683	43.751	.000

**Table 242**  
*Grade 5 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.697	.486	.474	5.450	.486	40.609	1	43	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.204	4.050		48.939	.000	190.037	206.372			
	Spr10Voc	1.280	.201	.697	6.373	.000	.875	1.685	.697	.697	.697

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.682 <sup>a</sup>	.466	.460	7.459	.466	81.017	1	93	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	190.637	4.070		46.835	.000	182.554	198.720	
	Spr10Voc	1.761	.196	.682	9.001	.000	1.373	2.150	.682	.682	.682

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.735 <sup>a</sup>	.541	.531	7.349	.541	57.660	1	49	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	181.997	4.978		36.561	.000	171.994	192.001	
	Spr10Voc	1.946	.256	.735	7.593	.000	1.431	2.462	.735	.735	.735

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.653	.426	.424	6.028	.426	232.201	1	313	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.288	1.595		123.693	.000	194.150	200.426			
	Spr10Voc	1.276	.084	.653	15.238	.000	1.111	1.441	.653	.653	.653

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.672	.452	.451	6.603	.452	1284.297	1	1558	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	190.885	.985		193.829	.000	188.954	192.817			
	Spr10Voc	1.665	.046	.672	35.837	.000	1.574	1.756	.672	.672	.672

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.684	.468	.461	5.602	.468	74.664	1	85	.000	

Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	185.393	4.710			39.362	.000	176.029	194.758			
	Spr10Voc	1.876	.217	.684	8.641	.000	1.444	2.308	.684	.684	.684	

**Table 243**  
*Grade 5 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.661	.436	.435	7.731	.436	312.082	1	403	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.708	1.510			127.651	.000	189.740	195.675			
	Spr10Voc	1.452	.082	.661	17.666	.000	1.290	1.614	.661	.661	.661	

easyCBM Technical Adequacy  
Validity

**Table 244**

*Grade 5 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.552	.304	.294	6.115	.304	29.328	1	67	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.948	3.015		67.310	.000	196.930	208.966			
	Spr10Voc	.949	.175	.552	5.416	.000	.599	1.299	.552	.552	.552



easyCBM Technical Adequacy  
Validity

**Table 245**  
*Grade 5 Full Sample Spring Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.762 <sup>a</sup>	.580	.579	5.991	.580	993.856	3	2159	.000

a. Predictors: (Constant), Spr10Voc, Spr10PRF, Spr10MCRC

Model Coefficients													
Model		Standardized				95.0% Confidence Interval for B		Correlations			Collinearity Statistics		
		Unstandardized Coefficients		Coefficients	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
		B	Std. Error	Beta									
1	(Constant)	186.585	.716		260.541	.000	185.181	187.990					
	Spr10PRF	.078	.004	.352	19.928	.000	.071	.086	.651	.394	.278	.623	1.606
	Spr10MCRC	.353	.049	.127	7.162	.000	.256	.450	.545	.152	.100	.618	1.618
	Spr10Voc	.961	.043	.412	22.537	.000	.878	1.045	.683	.436	.314	.581	1.722

easyCBM Technical Adequacy  
Validity

**Table 246**

***Grade 6 Full Sample Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance***

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.665 <sup>a</sup>	.443	.442	6.804

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.783	.701		294.884	.000	205.407	208.159			
	Spr10PRF	.124	.004	.665	30.255	.000	.116	.132	.665	.665	.665

**Table 247**

***Grade 6 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity***

**American Indian/Alaskan Native**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.623	.388	.370	7.118	.388	21.520	1	34	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.277	3.761		55.643	.000	201.633	216.920			
	Spr10PRF	.122	.026	.623	4.639	.000	.069	.176	.623	.623	.623

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.637	.406	.385	6.762	.406	19.153	1	28	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.999	4.970		42.054	.000	198.819	219.179			
	Spr10PRF	.115	.026	.637	4.376	.000	.061	.169	.637	.637	.637

**Black**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.563	.317	.286	8.183	.317	10.198	1	22	.004	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.158	6.157		33.645	.000	194.389	219.927			
	Spr10PRF	.122	.038	.563	3.193	.004	.043	.202	.563	.563	.563

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.464	.461	5.354	.464	134.354	1	155	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.193	1.510		136.593	.000	203.211	209.175			
	Spr10PRF	.115	.010	.681	11.591	.000	.095	.134	.681	.681	.681

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.665	.442	.441	6.941	.442	632.084	1	798	.000

**Coefficients**

Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.971	.872		237.332	.000	205.259	208.683			
	Spr10PRF	.125	.005	.665	25.141	.000	.115	.135	.665	.665	.665

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.754	.569	.560	6.772	.569	63.419	1	48	.000

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.780	3.814		52.118	.000	191.111	206.448			
	Spr10PRF	.176	.022	.754	7.964	.000	.132	.220	.754	.754	.754

**Table 248**  
*Grade 6 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.647	.418	.416	7.641	.418	167.485	1	233	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.972	1.419		143.739	.000	201.176	206.767			
	Spr10PRF	.132	.010	.647	12.942	.000	.112	.152	.647	.647	.647

easyCBM Technical Adequacy  
Validity

**Table 249**

*Grade 6 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.750	.563	.550	4.512	.563	42.510	1	33	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.289	2.864		70.991	.000	197.463	209.115			
	Spr10PRF	.136	.021	.750	6.520	.000	.094	.179	.750	.750	.750

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Validity

**Table 250**  
*Grade 6 Full Sample Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.554	.307	.306	7.633

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.594	.727		284.280	.000	205.169	208.020			
	Spr10MCRC	1.511	.048	.554	31.215	.000	1.416	1.606	.554	.554	.554

**Table 251**  
*Grade 6 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.610	.372	.360	7.138	.372	30.765	1	52	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.700	4.390		46.405	.000	194.892	212.509			
	Spr10MCRC	1.617	.292	.610	5.547	.000	1.032	2.202	.610	.610	.610

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Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.519	.270	.261	6.738	.270	30.298	1	82	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	213.930	3.017		70.908	.000	207.928	219.931	
	Spr10MCRC	1.111	.202	.519	5.504	.000	.709	1.512	.519	.519	.519

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.444	.197	.181	8.712	.197	12.512	1	51	.001

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	210.817	3.950		53.373	.000	202.887	218.747	
	Spr10MCRC	1.018	.288	.444	3.537	.001	.440	1.596	.444	.444	.444



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.597	.357	.354	6.650	.357	132.511	1	239	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.541	1.753		116.682	.000	201.087	207.994			
	Spr10MCRC	1.440	.125	.597	11.511	.000	1.194	1.686	.597	.597	.597

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.540	.292	.291	7.637	.292	650.932	1	1582	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.591	.964		213.369	.000	203.701	207.481			
	Spr10MCRC	1.609	.063	.540	25.513	.000	1.485	1.733	.540	.540	.540

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Validity

**Multi-Ethnic**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.442 <sup>a</sup>	.195	.185	8.773	.195	19.136	1	79	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	213.174	3.785		56.319	.000	205.640	220.708			
	Spr10MCRC	1.095	.250	.442	4.374	.000	.597	1.594	.442	.442	.442

**Table 252**  
*Grade 6 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.616	.379	.378	7.647	.379	231.518	1	379	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.588	1.422		141.739	.000	198.791	204.384			
	Spr10MCRC	1.583	.104	.616	15.216	.000	1.378	1.787	.616	.616	.616

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Validity

**Table 253**

*Grade 6 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.710 <sup>a</sup>	.505	.498	5.422	.505	79.499	1	78	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.535	1.685		121.998	.000	202.181	208.889	
	Spr10MCRC	1.185	.133	.710	8.916	.000	.921	1.450	.710	.710	.710

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Validity

**Table 254**  
*Grade 6 Full Sample Spring Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.708	.501	.500	6.490	.501	1953.553	1	1948	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	
1	(Constant)	204.622	.565		362.183	.000	203.514	205.730				
	Spr10Voc	1.471	.033	.708	44.199	.000	1.406	1.537	.708	.708	.708	

**Table 255**  
*Grade 6 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.701	.491	.480	6.494	.491	47.241	1	49	.000	

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	
1	(Constant)	204.435	3.517		58.131	.000	197.368	211.502				
	Spr10Voc	1.496	.218	.701	6.873	.000	1.059	1.933	.701	.701	.701	

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.675	.455	.448	5.326	.455	58.541	1	70	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.784	2.737		76.649	.000	204.325	215.243			
	Spr10Voc	1.192	.156	.675	7.651	.000	.881	1.503	.675	.675	.675

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.641	.411	.397	7.389	.411	28.639	1	41	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.901	4.381		46.083	.000	193.053	210.749			
	Spr10Voc	1.529	.286	.641	5.352	.000	.952	2.107	.641	.641	.641

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.631	.398	.396	6.471	.398	154.951	1	234	.000	

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	206.649	1.466		140.972	.000	203.761	209.537	
	Spr10Voc	1.253	.101	.631	12.448	.000	1.055	1.452	.631	.631	.631

**White**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.707	.499	.499	6.452	.499	1424.670	1	1429	.000	

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	204.162	.693		294.497	.000	202.802	205.522	
	Spr10Voc	1.507	.040	.707	37.745	.000	1.429	1.585	.707	.707	.707

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.717	.514	.506	7.285	.514	67.686	1	64	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.491	3.062		66.790	.000	198.375	210.608			
	Spr10Voc	1.495	.182	.717	8.227	.000	1.132	1.858	.717	.717	.717

**Table 256**  
*Grade 6 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.714	.510	.509	6.848	.510	363.847	1	349	.000

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.768	1.195		168.002	.000	198.417	203.118			
	Spr10Voc	1.563	.082	.714	19.075	.000	1.401	1.724	.714	.714	.714

easyCBM Technical Adequacy  
Validity

**Table 257**

*Grade 6 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.514	.265	.251	6.944	.265	19.439	1	54	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.713	2.895		72.095	.000	202.909	214.517			
	Spr10Voc	.956	.217	.514	4.409	.000	.521	1.391	.514	.514	.514



easyCBM Technical Adequacy  
Validity

**Table 258**  
*Grade 6 Full Sample Spring easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.785 <sup>a</sup>	.616	.615	5.858	.616	525.053	3	983	.000

a. Predictors: (Constant), Spr10Voc, Spr10MCRC, Spr10PRF

Model Coefficients													
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
		1	(Constant)	197.520			.876		225.436	.000	195.800	199.239	
	Spr10PRF	.065	.005	.343	13.592	.000	.055	.074	.665	.398	.269	.612	1.633
	Spr10MCRC	.395	.068	.143	5.820	.000	.262	.528	.554	.183	.115	.647	1.546
	Spr10Voc	.918	.054	.435	16.997	.000	.812	1.024	.708	.477	.336	.596	1.678

easyCBM Technical Adequacy  
Validity

**Table 259**  
*Grade 7 Full Sample Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.693	.480	.479	6.956

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.420	.559		371.120	.000	206.324	208.516			
	Spr10PRF	.157	.003	.693	46.763	.000	.151	.164	.693	.693	.693

**Table 260**  
*Grade 7 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.707 <sup>a</sup>	.500	.470	4.076	.500	16.979	1	17	.001

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	217.236	3.617		60.067	.000	209.606	224.866			
	Spr10PRF	.098	.024	.707	4.121	.001	.048	.148	.707	.707	.707

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.703	.495	.491	6.405	.495	125.384	1	128	.000	

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.467	2.388		86.888	.000	202.743	212.192			
	Spr10PRF	.156	.014	.703	11.198	.000	.129	.184	.703	.703	.703

**Black**

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.620	.385	.372	8.096	.385	30.655	1	49	.000	

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.742	3.618		58.249	.000	203.471	218.012			
	Spr10PRF	.124	.022	.620	5.537	.000	.079	.169	.620	.620	.620

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.647	.419	.418	6.576	.419	440.799	1	612	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.162	1.023		202.411	.000	205.152	209.172			
	Spr10PRF	.140	.007	.647	20.995	.000	.127	.153	.647	.647	.647

**White**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.692 <sup>a</sup>	.479	.479	6.844	.479	1335.149	1	1451	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.056	.728		287.198	.000	207.628	210.484			
	Spr10PRF	.155	.004	.692	36.540	.000	.147	.163	.692	.692	.692

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.697	.485	.478	5.872	.485	65.054	1	69	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.388	2.829		74.002	.000	203.744	215.033			
	Spr10PRF	.141	.017	.697	8.066	.000	.106	.175	.697	.697	.697

**Table 261**  
*Grade 7 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.690	.476	.475	7.033	.476	326.703	1	359	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.152	1.169		174.709	.000	201.854	206.450			
	Spr10PRF	.166	.009	.690	18.075	.000	.148	.184	.690	.690	.690

easyCBM Technical Adequacy  
Validity

**Table 262**

*Grade 7 Spring Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics									
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.505 <sup>a</sup>	.255	.250	6.108	.255	50.573	1	148	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.762	1.882		110.928	.000	205.043	212.481			
1	Spr10PRF	.107	.015	.505	7.111	.000	.077	.137	.505	.505	.505

easyCBM Technical Adequacy  
Validity

**Table 263**  
*Grade 7 Full Sample Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.596	.355	.355	7.569

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.037	.593		353.968	.000	208.873	211.200			
	Spr10MCRC	1.941	.046	.596	42.149	.000	1.851	2.032	.596	.596	.596

**Table 264**  
*Grade 7 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.659 <sup>a</sup>	.434	.416	5.484	.434	23.786	1	31	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	212.119	4.411		48.090	.000	203.123	221.115			
	Spr10MCRC	1.741	.357	.659	4.877	.000	1.013	2.470	.659	.659	.659

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.570	.325	.321	8.211	.325	86.572	1	180	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10MCRC	1.926	.207	.570	9.304	.000	1.517	2.334	.570	.570	.570

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.514	.264	.254	8.628	.264	26.232	1	73	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Spr10MCRC	1.687	.329	.514	5.122	.000	1.031	2.344	.514	.514	.514



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.592	.350	.349	6.869	.350	348.841	1	647	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.224	1.065		197.354	.000	208.132	212.316			
	Spr10MCRC	1.645	.088	.592	18.677	.000	1.472	1.818	.592	.592	.592

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.584	.342	.341	7.407	.342	1098.001	1	2116	.000

Model Coefficients											
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	211.118	.768		274.945	.000	209.612	212.624			
	Spr10MCRC	1.939	.059	.584	33.136	.000	1.824	2.054	.584	.584	.584

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.594	.353	.347	7.143	.353	64.350	1	118	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	214.664	2.536		84.641	.000	209.642	219.686			
	Spr10MCRC	1.595	.199	.594	8.022	.000	1.201	1.989	.594	.594	.594

**Table 265**  
*Grade 7 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.592	.350	.349	7.781	.350	233.628	1	433	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.128	1.188		176.054	.000	206.793	211.463			
	Spr10MCRC	1.640	.107	.592	15.285	.000	1.429	1.851	.592	.592	.592

easyCBM Technical Adequacy  
Validity  
**Table 266**

*Grade 7 Spring Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.523	.274	.269	6.421	.274	55.782	1	148	.000

Model Coefficients												
Model		Unstandardized Coefficients			Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	210.404	1.776			118.443	.000	206.893	213.914	
	Spr10MCRC	1.232	.165	.523	7.469	.000	.906	1.558		.523	.523	.523

easyCBM Technical Adequacy  
Validity

**Table 267**  
*Grade 7 Full Sample Spring Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.625 <sup>a</sup>	.391	.390	7.327	.391	1150.928	1	1795	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	216.002	.591		365.223	.000	214.842	217.162	
	Spr10Voc	1.200	.035	.625	33.925	.000	1.131	1.270	.625	.625	.625

**Table 268**  
*Grade 7 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.757 <sup>a</sup>	.573	.559	4.764	.573	41.600	1	31	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	212.834	3.253		65.429	.000	206.200	219.468	
	Spr10Voc	1.270	.197	.757	6.450	.000	.869	1.672	.757	.757	.757

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.618	.382	.374	8.262	.382	46.997	1	76	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	215.136	3.390		63.460	.000	208.384	221.888	
	Spr10Voc	1.299	.190	.618	6.855	.000	.922	1.677	.618	.618	.618

**Black**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.641	.411	.396	7.798	.411	27.906	1	40	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	210.544	3.811		55.254	.000	202.842	218.245	
	Spr10Voc	1.292	.245	.641	5.283	.000	.798	1.786	.641	.641	.641

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.615	.378	.376	7.056	.378	151.966	1	250	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B			Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	215.503	1.370		157.244	.000	212.803	218.202			
	Spr10Voc	1.167	.095	.615	12.327	.000	.981	1.353	.615	.615	.615

**White**

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.602	.362	.362	7.402	.362	730.133	1	1286	.000

**Model Coefficients**

Model		Unstandardized Coefficients		Standardized	95.0% Confidence Interval for B			Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	216.997	.729		297.544	.000	215.566	218.427			
	Spr10Voc	1.155	.043	.602	27.021	.000	1.071	1.239	.602	.602	.602

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.659	.434	.426	6.293	.434	52.179	1	68	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	217.451	2.765		78.643	.000	211.934	222.969			
	Spr10Voc	1.177	.163	.659	7.224	.000	.852	1.502	.659	.659	.659

**Table 269**  
*Grade 7 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model					Change Statistics					
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	
1	.631	.398	.396	7.533	.398	189.114	1	286	.000	

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.359	1.404		149.134	.000	206.596	212.122			
	Spr10Voc	1.352	.098	.631	13.752	.000	1.159	1.546	.631	.631	.631

easyCBM Technical Adequacy  
Validity

**Table 270**  
*Grade 7 Spring Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.434	.188	.173	7.038	.188	12.752	1	55	.001

Model Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	218.138	2.514		86.782	.000	213.100	223.175			
	Spr10Voc	.742	.208	.434	3.571	.001	.326	1.159	.434	.434	.434



easyCBM Technical Adequacy  
Validity

**Table 271**  
*Grade 7 Full Sample Spring easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	Change Statistics								
	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.812	.660	.659	5.676	.660	551.006	3	852	.000

a. Predictors: (Constant), Spr10Voc, Spr10PRF, Spr10MCRC

Model Coefficients													
Model		Unstandardized Coefficients		Standardized	t	Sig.	95.0% Confidence Interval for B		Correlations		Collinearity Statistics		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	197.944	.946		209.343	.000	196.088	199.800					
	Spr10PRF	.100	.005	.447	18.930	.000	.090	.111	.693	.544	.378	.717	1.394
	Spr10MCRC	.717	.080	.216	8.920	.000	.559	.875	.596	.292	.178	.679	1.472
	Spr10Voc	.699	.045	.355	15.530	.000	.611	.788	.625	.470	.310	.765	1.308

easyCBM Technical Adequacy  
Validity

**Table 272****Grade 3 Descriptive Scale Statistics for Predictive Validity Analyses - Full Sample**

	Mean	Std. Deviation	N
OAKSRdgTot	214.48	10.798	3672
Fall09WRF	46.17	25.995	849
Fall09PRF	85.79	40.251	2209
Fall09MCRC	10.44	4.143	2313
Fall09Voc	16.77	5.281	2060
Wint10WRF	53.80	24.221	966
Wint10PRF	117.01	45.967	2296
Wint10MCRC	10.16	3.557	2459

**Table 273****Grade 3 Descriptive Scale Statistics for Predictive Validity Analyses- by Ethnicity***American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	213.64	8.960	42
Fall09WRF	34.69	18.368	13
Fall09PRF	82.28	37.288	36
Fall09MCRC	10.53	3.715	36
Fall09Voc	16.53	5.293	34
Wint10WRF	52.38	23.460	16
Wint10PRF	119.08	43.547	37
Wint10MCRC	9.84	3.708	37

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	215.70	9.790	189
Fall09WRF	56.65	24.852	20
Fall09PRF	104.24	36.987	80
Fall09MCRC	11.59	4.502	92
Fall09Voc	17.61	5.123	75
Wint10WRF	58.64	23.639	22
Wint10PRF	131.37	44.627	86
Wint10MCRC	10.61	3.636	95

easyCBM Technical Adequacy  
Validity

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	211.92	10.535	73
Fall09WRF	41.77	24.328	13
Fall09PRF	80.63	45.969	40
Fall09MCRC	10.43	3.637	44
Fall09Voc	15.93	5.130	41
Wint10WRF	49.07	25.033	15
Wint10PRF	112.29	57.258	45
Wint10MCRC	9.59	2.999	49

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	208.78	9.672	828
Fall09WRF	41.65	25.421	162
Fall09PRF	73.87	35.363	346
Fall09MCRC	8.58	4.314	371
Fall09Voc	14.06	5.293	294
Wint10WRF	50.36	26.026	176
Wint10PRF	104.17	40.443	349
Wint10MCRC	8.44	3.860	408

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	216.40	10.607	2362
Fall09WRF	48.18	25.855	578
Fall09PRF	89.40	39.373	1555
Fall09MCRC	10.89	3.908	1623
Fall09Voc	17.39	5.057	1483
Wint10WRF	55.62	22.775	665
Wint10PRF	121.14	44.334	1616
Wint10MCRC	10.63	3.291	1713

easyCBM Technical Adequacy  
Validity

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	216.23	10.189	83
Fall09WRF	50.68	20.955	19
Fall09PRF	87.92	42.662	60
Fall09MCRC	10.93	3.857	60
Fall09Voc	17.86	4.414	57
Wint10WRF	56.75	23.107	24
Wint10PRF	118.77	47.424	61
Wint10MCRC	10.73	3.578	64

**Table 274**

*Grade 3 Descriptive Scale Statistics for Predictive Validity Analyses – Special Education Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	206.60	11.989	535
Fall09WRF	28.56	21.920	147
Fall09PRF	63.63	40.103	357
Fall09MCRC	8.62	3.890	363
Fall09Voc	13.37	5.733	341
Wint10WRF	36.82	21.837	175
Wint10PRF	90.66	45.571	371
Wint10MCRC	8.43	3.519	400

**Table 275**

*Grade 3 Descriptive Scale Statistics for Predictive Validity Analyses - English Language Learner Eligibility*

	Mean	Std. Deviation	N
OAKSRdgTot	206.05	7.805	365
Fall09WRF	65.71	39.694	14
Fall09PRF	67.67	28.232	99
Fall09MCRC	7.30	4.401	117
Fall09Voc	12.20	4.976	71
Wint10WRF	59.08	29.946	13
Wint10PRF	99.50	37.707	98
Wint10MCRC	7.28	4.163	130

**Table 276*****Grade 4 Descriptive Scale Statistics for Predictive Validity Analyses - Full Sample***

	Mean	Std. Deviation	N
OAKSRdgTot	220.92	10.449	3520
Fall09PRF	109.60	37.375	2270
Fall09MCRC	11.93	4.455	2294
Fall09Voc	15.99	4.597	1995
Wint10PRF	132.43	38.493	2217
Wint10MCRC	13.27	4.418	2345

**Table 277*****Grade 4 Descriptive Scale Statistics for Predictive Validity Analyses- by Ethnicity****American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	220.30	11.618	54
Fall09PRF	105.76	30.137	45
Fall09MCRC	12.20	3.231	45
Fall09Voc	16.29	4.033	41
Wint10PRF	128.47	36.515	45
Wint10MCRC	14.47	3.300	45

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	222.17	9.572	179
Fall09PRF	121.13	30.763	80
Fall09MCRC	11.84	4.695	85
Fall09Voc	16.41	3.833	68
Wint10PRF	143.92	30.570	76
Wint10MCRC	13.36	5.195	88

easyCBM Technical Adequacy  
Validity

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	219.00	9.868	81
Fall09PRF	100.62	27.851	45
Fall09MCRC	10.43	4.739	49
Fall09Voc	15.79	3.681	43
Wint10PRF	126.47	32.635	47
Wint10MCRC	13.47	4.253	49

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	215.79	9.455	807
Fall09PRF	99.82	31.360	381
Fall09MCRC	9.75	4.397	385
Fall09Voc	13.97	4.470	285
Wint10PRF	124.20	35.391	336
Wint10MCRC	11.18	5.014	394

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	222.82	10.225	2198
Fall09PRF	113.45	37.212	1543
Fall09MCRC	12.61	4.270	1559
Fall09Voc	16.52	4.495	1393
Wint10PRF	135.89	37.291	1529
Wint10MCRC	13.87	4.023	1587

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	220.53	10.722	118
Fall09PRF	112.46	40.990	94
Fall09MCRC	12.12	4.201	93
Fall09Voc	16.14	4.768	90
Wint10PRF	133.70	42.553	96
Wint10MCRC	13.72	3.855	98

easyCBM Technical Adequacy  
Validity

**Table 278*****Grade 4 Descriptive Scale Statistics for Predictive Validity Analyses - Special Education Eligibility***

	Mean	Std. Deviation	N
OAKSRdgTot	213.67	10.949	530
Fall09PRF	86.05	38.437	399
Fall09MCRC	9.74	4.099	400
Fall09Voc	12.94	4.742	366
Wint10PRF	105.73	39.025	394
Wint10MCRC	11.24	4.312	414

**Table 279*****Grade 4 Descriptive Scale Statistics for Predictive Validity Analyses - English Language Learner Eligibility***

	Mean	Std. Deviation	N
OAKSRdgTot	210.66	8.159	274
Fall09PRF	89.59	24.641	104
Fall09MCRC	7.38	3.667	102
Fall09Voc	10.98	3.915	59
Wint10PRF	111.05	29.551	78
Wint10MCRC	8.62	5.219	105

easyCBM Technical Adequacy  
Validity

**Table 280*****Grade 5 Descriptive Scale Statistics for Predictive Validity Analyses - Full Sample***

	Mean	Std. Deviation	N
OAKSRdgTot	224.24	9.238	3661
Fall09PRF	146.87	43.228	2394
Fall09MCRC	13.45	3.751	2469
Fall09Voc	18.41	4.813	2184
Wint10PRF	154.14	42.515	2325
Wint10MCRC	15.39	4.017	2473

**Table 281*****Grade 5 Descriptive Scale Statistics for Predictive Validity Analyses – by Ethnicity****American Indian/Alaskan Native*

	Mean	Std. Deviation	N
OAKSRdgTot	222.84	7.766	61
Fall09PRF	136.88	39.439	48
Fall09MCRC	13.15	3.079	47
Fall09Voc	17.93	4.510	44
Wint10PRF	146.21	39.390	47
Wint10MCRC	15.73	2.688	48

*Asian/Pacific Islander*

	Mean	Std. Deviation	N
OAKSRdgTot	225.91	9.290	209
Fall09PRF	159.83	41.919	96
Fall09MCRC	13.67	3.884	99
Fall09Voc	18.16	5.341	88
Wint10PRF	167.06	41.580	94
Wint10MCRC	14.84	5.136	107



easyCBM Technical Adequacy  
Validity

*Black*

	Mean	Std. Deviation	N
OAKSRdgTot	219.62	10.445	93
Fall09PRF	122.37	43.826	49
Fall09MCRC	11.96	3.343	52
Fall09Voc	15.66	5.584	47
Wint10PRF	130.42	41.168	48
Wint10MCRC	13.73	4.956	56

*Hispanic*

	Mean	Std. Deviation	N
OAKSRdgTot	219.31	8.248	783
Fall09PRF	136.57	37.642	387
Fall09MCRC	11.88	4.213	433
Fall09Voc	15.47	5.371	321
Wint10PRF	146.74	39.208	331
Wint10MCRC	13.84	4.723	403

*White*

	Mean	Std. Deviation	N
OAKSRdgTot	225.94	8.867	2317
Fall09PRF	151.45	41.624	1635
Fall09MCRC	13.96	3.461	1668
Fall09Voc	19.24	4.189	1521
Wint10PRF	157.77	41.117	1624
Wint10MCRC	15.88	3.598	1689

*Multi-Ethnic*

	Mean	Std. Deviation	N
OAKSRdgTot	224.88	7.877	101
Fall09PRF	153.02	37.501	89
Fall09MCRC	14.32	2.706	90
Fall09Voc	19.50	4.346	86
Wint10PRF	157.10	35.090	91
Wint10MCRC	16.54	2.391	91

easyCBM Technical Adequacy

Validity

**Table 282*****Grade 5 Descriptive Scale Statistics for Predictive Validity Analyses - Special Education Eligibility***

	Mean	Std. Deviation	N
OAKSRdgTot	219.72	10.147	595
Fall09PRF	117.83	42.378	430
Fall09MCRC	11.76	4.053	440
Fall09Voc	15.45	5.129	391
Wint10PRF	126.00	40.766	420
Wint10MCRC	13.68	4.266	441

**Table 283*****Grade 5 Descriptive Scale Statistics for Predictive Validity Analyses – English Language Learner Eligibility***

	Mean	Std. Deviation	N
OAKSRdgTot	214.87	7.343	269
Fall09PRF	115.79	32.660	99
Fall09MCRC	9.90	4.496	117
Fall09Voc	12.62	5.069	74
Wint10PRF	131.39	31.358	76
Wint10MCRC	11.02	5.683	109

**Table 284***Grade 6 Descriptive Scale Statistics for Predictive Validity Analyses – Full Sample*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	3602	196	272	228.69	9.435
Fall09PRF	1160	9	305	140.19	40.320
Fall09MCRC	2351	0	20	14.08	3.624
Fall09Voc	2076	0	25	15.14	4.544
Wint10PRF	1079	0	320	156.00	42.432
Wint10MCRC	1229	0	20	12.94	4.148
Valid N (listwise)	672				

**Table 285***Grade 6 Descriptive Scale Statistics for Predictive Validity Analyses –by Ethnicity**American Indian/Alaskan Native*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	59	199	250	227.61	8.716
Fall09PRF	32	37	184	120.56	36.319
Fall09MCRC	56	4	18	13.68	3.180
Fall09Voc	56	6	24	14.34	3.923
Wint10PRF	31	43	189	139.55	34.261
Wint10MCRC	33	6	18	13.67	2.677
Valid N (listwise)	27				

easyCBM Technical Adequacy  
Validity

*Asian/Pacific Islander*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	173	206	250	229.86	8.197
Fall09PRF	30	98	298	160.60	38.871
Fall09MCRC	90	0	19	14.40	3.591
Fall09Voc	76	4	24	15.36	4.338
Wint10PRF	28	81	320	171.71	45.985
Wint10MCRC	44	0	19	12.98	5.092
Valid N (listwise)	18				

*Black*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	83	205	245	225.19	9.320
Fall09PRF	24	48	250	137.88	49.976
Fall09MCRC	54	0	19	12.50	4.521
Fall09Voc	47	0	21	12.96	4.016
Wint10PRF	21	77	240	160.95	36.382
Wint10MCRC	33	0	18	11.36	4.762
Valid N (listwise)	18				

easyCBM Technical Adequacy  
Validity

*Hispanic*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	259	197	247	223.76	8.689
Fall09PRF	144	47	245	127.25	36.424
Fall09MCRC	243	1	19	13.49	3.306
Fall09Voc	240	2	24	12.69	4.286
Wint10PRF	139	53	272	140.78	38.195
Wint10MCRC	138	0	19	12.57	3.455
Valid N (listwise)	119				

*White*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	2422	199	272	229.99	9.362
Fall09PRF	755	16	305	143.57	40.009
Fall09MCRC	1608	0	20	14.54	3.337
Fall09Voc	1466	0	25	15.86	4.320
Wint10PRF	743	29	296	160.06	41.730
Wint10MCRC	805	0	20	13.18	4.117
Valid N (listwise)	458				

easyCBM Technical Adequacy  
Validity

*Multi-Ethnic*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	150	196	258	229.85	9.558
Fall09PRF	47	91	229	151.09	33.187
Fall09MCRC	81	5	20	14.84	2.905
Fall09Voc	69	5	22	15.10	4.208
Wint10PRF	44	111	251	166.30	31.752
Wint10MCRC	48	7	20	14.21	2.736
Valid N (listwise)	24				

**Table 286**

*Grade 6 Descriptive Scale Statistics for Predictive Validity Analyses – Special Education Eligibility*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	574	196	272	221.32	9.915
Fall09PRF	210	16	275	112.92	39.927
Fall09MCRC	411	0	19	11.75	4.287
Fall09Voc	361	3	25	12.58	4.425
Wint10PRF	179	29	296	128.96	45.598
Wint10MCRC	218	0	19	11.19	4.586
Valid N (listwise)	128				

easyCBM Technical Adequacy  
Validity

**Table 287**

*Grade 6 Descriptive Scale Statistics for Predictive Validity Analyses – English Language Learner Eligibility*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	199	202	240	218.21	7.168
Fall09PRF	49	36	197	112.90	31.901
Fall09MCRC	106	0	18	10.08	4.323
Fall09Voc	70	0	21	10.50	3.408
Wint10PRF	26	77	191	134.00	32.400
Wint10MCRC	50	0	18	10.48	5.128
Valid N (listwise)	14				

easyCBM Technical Adequacy  
Validity

**Table 288*****Grade 7 Descriptive Scale Statistics for Predictive Validity Analyses – Full Sample***

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	3471	201	272	234.02	9.715
Fall09PRF	2294	18	290	153.13	38.210
Fall09MCRC	3245	0	20	13.82	3.384
Fall09Voc	1893	0	25	14.65	4.559
Wint10PRF	2305	15	333	171.70	46.028
Wint10MCRC	2064	0	20	14.51	3.294
Valid N (listwise)	600				

**Table 289*****Grade 7 Descriptive Scale Statistics for Predictive Validity Analyses –by Ethnicity****American Indian/Alaskan Native*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	34	218	254	233.15	7.067
Fall09PRF	18	49	217	136.17	38.241
Fall09MCRC	32	6	17	12.97	3.515
Fall09Voc	32	5	19	13.41	4.287
Wint10PRF	18	56	244	153.50	39.756
Wint10MCRC	16	12	18	15.13	1.928
Valid N (listwise)	14				



easyCBM Technical Adequacy  
Validity

*Asian/Pacific Islander*

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	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	191	211	269	235.36	9.921
Fall09PRF	121	66	258	159.51	37.196
Fall09MCRC	182	5	20	14.04	3.282
Fall09Voc	82	0	24	15.62	4.687
Wint10PRF	123	69	301	177.87	44.638
Wint10MCRC	120	5	20	14.78	2.748
Valid N (listwise)	18				

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*Black*

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	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	77	207	257	229.65	9.951
Fall09PRF	48	27	290	146.15	48.457
Fall09MCRC	69	4	19	13.00	3.560
Fall09Voc	38	5	22	13.89	3.889
Wint10PRF	49	25	268	156.45	54.269
Wint10MCRC	47	6	19	13.70	3.538
Valid N (listwise)	12				

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easyCBM Technical Adequacy  
Validity

*Hispanic*

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	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	723	201	261	228.61	8.860
Fall09PRF	592	18	253	142.83	36.612
Fall09MCRC	627	0	20	12.38	3.633
Fall09Voc	257	0	25	12.60	4.181
Wint10PRF	592	34	280	155.51	42.743
Wint10MCRC	536	0	19	13.29	3.749
Valid N (listwise)	142				

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*White*

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	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	2262	204	272	235.78	9.370
Fall09PRF	1395	41	266	158.35	37.074
Fall09MCRC	2125	0	20	14.33	3.098
Fall09Voc	1338	0	25	15.12	4.484
Wint10PRF	1404	55	333	179.71	45.108
Wint10MCRC	1238	0	20	15.11	2.870
Valid N (listwise)	387				

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easyCBM Technical Adequacy  
Validity

*Multi-Ethnic*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	124	211	259	234.18	8.770
Fall09PRF	72	83	226	145.26	34.606
Fall09MCRC	120	1	19	13.63	3.846
Fall09Voc	77	0	24	14.87	4.789
Wint10PRF	69	100	266	163.61	39.624
Wint10MCRC	62	0	20	13.87	4.198
Valid N (listwise)	20				

**Table 290**

*Grade 7 Descriptive Scale Statistics for Predictive Validity Analyses – Special Education Eligibility*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	497	201	262	225.66	9.759
Fall09PRF	330	18	258	115.96	35.971
Fall09MCRC	432	0	19	11.43	3.726
Fall09Voc	299	4	25	11.96	4.348
Wint10PRF	306	25	268	128.34	41.463
Wint10MCRC	253	0	19	12.11	4.250
Valid N (listwise)	108				

easyCBM Technical Adequacy  
Validity

**Table 291**

*Grade 7 Descriptive Scale Statistics for Predictive Validity Analyses – English Language Learner Eligibility*

	N	Minimum	Maximum	Mean	Std. Deviation
OAKSRdgTot	177	201	242	222.22	7.371
Fall09PRF	145	29	195	116.19	30.761
Fall09MCRC	149	0	19	10.21	3.668
Fall09Voc	56	0	18	11.32	3.309
Wint10PRF	140	25	228	121.09	34.674
Wint10MCRC	120	0	18	10.79	4.244
Valid N (listwise)	26				

easyCBM Technical Adequacy  
Validity

**Table 292**

*Grade 3 Full Sample Fall Word Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.596 <sup>a</sup>	.355	.354	8.724

a. Predictors: (Constant), Fall09WRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients			Standardized Coefficients	
		B	Std. Error	Beta	t	Sig.
1	(Constant)	201.806	.634		318.492	.000
	Fall09WRF	.251	.012	.596	21.235	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 293**

*Grade 3 Fall Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.482 <sup>a</sup>	.232	.162	9.085	.232	3.325	1	11	.095

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	200.737	5.557		36.121	.000	188.506	212.969	
	Fall09WRF	.260	.143	.482	1.823	.095	-.054	.575	.482	.482	.482

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.626 <sup>a</sup>	.392	.358	8.134	.392	11.591	1	18	.003

a. Predictors: (Constant), Fall09WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	198.517	4.627		42.909	.000	188.797	208.237	
	Fall09WRF	.256	.075	.626	3.405	.003	.098	.413	.626	.626	.626

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.726 <sup>a</sup>	.527	.484	5.245	.527	12.276	1	11	.005

a. Predictors: (Constant), Fall09WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.123	2.979		68.187	.000	196.566	209.679	
	Fall09WRF	.218	.062	.726	3.504	.005	.081	.355	.726	.726	.726

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.645 <sup>a</sup>	.417	.413	8.421	.417	114.223	1	160	.000

a. Predictors: (Constant), Fall09WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	197.354	1.273		155.049	.000	194.840	199.867	
	Fall09WRF	.279	.026	.645	10.688	.000	.227	.331	.645	.645	.645

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.578 <sup>a</sup>	.334	.333	8.616	.334	287.927	1	575	.000

a. Predictors: (Constant), Fall09WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.516	.759		268.103	.000	202.025	205.007			
	Fall09WRF	.236	.014	.578	16.968	.000	.209	.263	.578	.578	.578

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.781 <sup>a</sup>	.610	.587	6.945	.610	26.591	1	17	.000

a. Predictors: (Constant), Fall09WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	196.741	4.268		46.098	.000	187.737	205.746	
	Fall09WRF	.403	.078	.781	5.157	.000	.238	.568	.781	.781	.781

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 294**

*Grade 3 Fall Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.585 <sup>a</sup>	.342	.337	9.679	.342	75.253	1	145	.000	

a. Predictors: (Constant), Fall09WRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	195.110	1.314		148.492	.000	192.513	197.707	
	Fall09WRF	.317	.037	.585	8.675	.000	.245	.389	.585	.585	.585

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 295**  
*Grade 3 Fall Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.518 <sup>a</sup>	.269	.208	8.836	.269	4.409	1	12	.058

a. Predictors: (Constant), Fall09WRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.838	4.695		44.059	.000	196.609	217.066			
	Fall09WRF	.130	.062	.518	2.100	.058	-.005	.264	.518	.518	.518

easyCBM Technical Adequacy  
Validity

**Table 296**  
*Grade 3 Full Sample Winter Word Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.605 <sup>a</sup>	.366	.365	8.559

a. Predictors: (Constant), Wint10WRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	198.278	.710		279.289	.000
	Wint10WRF	.276	.012	.605	23.152	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 297**

*Grade 3 Winter Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.352 <sup>a</sup>	.124	.061	8.825	.124	1.979	1	14	.181

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Wint10WRF	.137	.097	.352	1.407	.181	-.072	.345	.352	.352	.352

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.531 <sup>a</sup>	.282	.246	7.573	.282	7.861	1	20	.011

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.279	4.406		45.460	.000	191.089	209.469			
	Wint10WRF	.196	.070	.531	2.804	.011	.050	.342	.531	.531	.531

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.741 <sup>a</sup>	.549	.514	5.802	.549	15.805	1	13	.002

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.383	3.389		58.248	.000	190.062	204.704			
	Wint10WRF	.246	.062	.741	3.976	.002	.112	.380	.741	.741	.741

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.635 <sup>a</sup>	.403	.400	8.396	.403	116.788	1	173	.000

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.450	1.397		139.926	.000	192.693	198.207			
	Wint10WRF	.266	.025	.635	10.807	.000	.217	.314	.635	.635	.635

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.598 <sup>a</sup>	.357	.356	8.422	.357	367.527	1	661	.000

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.254	.867		229.873	.000	197.552	200.956			
	Wint10WRF	.277	.014	.598	19.171	.000	.248	.305	.598	.598	.598

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.721 <sup>a</sup>	.520	.499	7.653	.520	23.880	1	22	.000

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.890	4.219		46.669	.000	188.141	205.640			
	Wint10WRF	.337	.069	.721	4.887	.000	.194	.481	.721	.721	.721

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity  
**Table 298**

*Grade 3 Winter Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.657 <sup>a</sup>	.432	.429	8.956	.432	131.517	1	173	.000

a. Predictors: (Constant), Wint10WRF

Coefficients <sup>a,b</sup>												
Model		Standardized				95.0% Confidence Interval for B			Correlations			
		Unstandardized Coefficients		Coefficients		t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		B	Std. Error	Beta								
1	(Constant)	191.550	1.330		144.014	.000	188.925	194.176				
	Wint10WRF	.357	.031	.657	11.468	.000	.295	.418	.657	.657	.657	

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity  
**Table 299**

*Grade 3 Winter Word Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

**Model Summary<sup>b</sup>**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.768 <sup>a</sup>	.590	.553	7.088	.590	15.841	1	11	.002

a. Predictors: (Constant), Wint10WRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	196.704	4.490		43.813	.000	186.823	206.586	
	Wint10WRF	.272	.068	.768	3.980	.002	.122	.422	.768	.768	.768

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity  
**Table 300**

*Grade 3 Full Sample Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.668 <sup>a</sup>	.446	.446	8.050

a. Predictors: (Constant), Fall09PRF

Model Coefficients <sup>a</sup>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	199.178	.422		471.998	.000
	Fall09PRF	.183	.004	.668	41.543	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 301**  
*Grade 3 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.626 <sup>a</sup>	.392	.373	7.199	.392	21.261	1	33	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.238	2.950		68.219	.000	195.237	207.240	
	Fall09PRF	.152	.033	.626	4.611	.000	.085	.220	.626	.626	.626

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.621 <sup>a</sup>	.386	.378	8.158	.386	49.067	1	78	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.332	2.743		72.679	.000	193.872	204.792			
	Fall09PRF	.174	.025	.621	7.005	.000	.124	.223	.621	.621	.621

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.650 <sup>a</sup>	.422	.407	7.283	.422	27.745	1	38	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.325	2.347		85.765	.000	196.573	206.078			
	Fall09PRF	.134	.025	.650	5.267	.000	.082	.185	.650	.650	.650

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.680 <sup>a</sup>	.463	.461	7.298	.463	290.208	1	337	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.346	.928		210.576	.000	193.521	197.171			
	Fall09PRF	.194	.011	.680	17.035	.000	.172	.216	.680	.680	.680

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.657 <sup>a</sup>	.431	.431	8.075	.431	1173.053	1	1548	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.332	.509		393.265	.000	199.333	201.332			
	Fall09PRF	.179	.005	.657	34.250	.000	.169	.189	.657	.657	.657

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.628 <sup>a</sup>	.394	.384	8.268	.394	37.750	1	58	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.555	2.462		82.286	.000	197.627	207.482			
	Fall09PRF	.155	.025	.628	6.144	.000	.105	.206	.628	.628	.628

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 302**

*Grade 3 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.726 <sup>a</sup>	.527	.526	8.524	.527	393.646	1	353	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.270	.852		226.841	.000	191.595	194.946			
	Fall09PRF	.224	.011	.726	19.841	.000	.202	.246	.726	.726	.726

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 303**

*Grade 3 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

**Model Summary<sup>b</sup>**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.584 <sup>a</sup>	.341	.334	6.688	.341	49.180	1	95	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.103	1.755		111.725	.000	192.618	199.588			
	Fall09PRF	.168	.024	.584	7.013	.000	.120	.215	.584	.584	.584

easyCBM Technical Adequacy  
Validity

**Table 304**  
*Grade 3 Full Sample Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.661 <sup>a</sup>	.437	.437	8.133

a. Predictors: (Constant), Wint10PRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	196.006	.490		400.323	.000
	Wint10PRF	.161	.004	.661	41.614	.000

a. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 305**  
*Grade 3 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.679 <sup>a</sup>	.461	.446	6.781	.461	29.122	1	34	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	196.578	3.309		59.406	.000	189.853	203.303	
	Wint10PRF	.143	.026	.679	5.396	.000	.089	.196	.679	.679	.679

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.614 <sup>a</sup>	.377	.370	8.173	.377	50.933	1	84	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Wint10PRF	.142	.020	.614	7.137	.000	.102	.181	.614	.614	.614

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.699 <sup>a</sup>	.488	.477	6.991	.488	41.065	1	43	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Wint10PRF	.118	.018	.699	6.408	.000	.081	.155	.699	.699	.699

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.672 <sup>a</sup>	.451	.449	7.393	.451	281.723	1	343	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.181	1.109		173.228	.000	189.999	194.363			
	Wint10PRF	.166	.010	.672	16.785	.000	.147	.186	.672	.672	.672

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.651 <sup>a</sup>	.423	.423	8.173	.423	1182.333	1	1611	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.063	.594		331.936	.000	195.899	198.228			
	Wint10PRF	.158	.005	.651	34.385	.000	.149	.167	.651	.651	.651

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.670 <sup>a</sup>	.449	.440	7.839	.449	48.134	1	59	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.499	2.726		72.821	.000	193.044	203.953			
	Wint10PRF	.148	.021	.670	6.938	.000	.105	.191	.670	.670	.670

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 306**  
*Grade 3 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.732 <sup>a</sup>	.536	.534	8.445	.536	424.497	1	368	.000	

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	189.552	.978		193.729	.000	187.628	191.476			
	Wint10PRF	.199	.010	.732	20.603	.000	.180	.218	.732	.732	.732

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 307**  
*Grade 3 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.636 <sup>a</sup>	.404	.398	6.720	.404	64.371	1	95	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.078	1.937		99.703	.000	189.233	196.922			
	Wint10PRF	.146	.018	.636	8.023	.000	.110	.182	.636	.636	.636



easyCBM Technical Adequacy  
Validity

**Table 308**

*Grade 3 Full Sample Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.574 <sup>a</sup>	.329	.329	8.789

a. Predictors: (Constant), Fall09MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	199.167	.516		385.667	.000
	Fall09MCRC	1.518	.046	.574	33.212	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 309**

*Grade 3 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.618 <sup>a</sup>	.382	.364	7.254	.382	20.436	1	33	.000

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Fall09MCRC	1.525	.337	.618	4.521	.000	.839	2.211	.618	.618	.618

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.536 <sup>a</sup>	.287	.279	8.947	.287	36.226	1	90	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.091	2.588		78.092	.000	196.950	207.232			
	Fall09MCRC	1.254	.208	.536	6.019	.000	.840	1.668	.536	.536	.536

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.569 <sup>a</sup>	.324	.307	7.718	.324	19.621	1	41	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.450	4.028		48.528	.000	187.316	203.584			
	Fall09MCRC	1.598	.361	.569	4.430	.000	.870	2.327	.569	.569	.569

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.503 <sup>a</sup>	.253	.251	8.642	.253	121.377	1	358	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.130	1.044		190.804	.000	197.077	201.182	
	Fall09MCRC	1.189	.108	.503	11.017	.000	.977	1.401	.503	.503	.503

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.564 <sup>a</sup>	.318	.318	8.712	.318	753.797	1	1613	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.756	.645		309.843	.000	198.491	201.020	
	Fall09MCRC	1.530	.056	.564	27.455	.000	1.420	1.639	.564	.564	.564

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.504 <sup>a</sup>	.254	.241	9.176	.254	19.738	1	58	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Fall09MCRC	1.376	.310	.504	4.443	.000	.756	1.996	.504	.504	.504

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 310**  
*Grade 3 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>										
Model	R			Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.563 <sup>a</sup>	.317	.315	9.961	.317	165.827	1	357	.000	

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	192.587	1.307		147.366	.000	190.017	195.157	
	Fall09MCRC	1.771	.138	.563	12.877	.000	1.501	2.042	.563	.563	.563

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 311**

*Grade 3 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.410 <sup>a</sup>	.168	.161	8.059	.168	22.455	1	111	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.339	1.501		134.137	.000	198.365	204.313	
	Fall09MCRC	.827	.174	.410	4.739	.000	.481	1.173	.410	.410	.410

easyCBM Technical Adequacy  
Validity

**Table 312**

*Grade 3 Full Sample Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.541 <sup>a</sup>	.292	.292	9.089

a. Predictors: (Constant), Wint10MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	197.663	.584		338.422	.000
	Wint10MCRC	1.693	.054	.541	31.417	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 313**

*Grade 3 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.559 <sup>a</sup>	.312	.292	7.662	.312	15.435	1	34	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.964	3.641		54.915	.000	192.564	207.364	
	Wint10MCRC	1.378	.351	.559	3.929	.000	.665	2.091	.559	.559	.559

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.601 <sup>a</sup>	.361	.354	8.305	.361	52.619	1	93	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.182	2.641		75.036	.000	192.937	203.426			
	Wint10MCRC	1.709	.236	.601	7.254	.000	1.241	2.177	.601	.601	.601

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.642 <sup>a</sup>	.412	.400	7.415	.412	32.276	1	46	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	192.373	3.631		52.984	.000	185.064	199.681	
	Wint10MCRC	2.043	.360	.642	5.681	.000	1.319	2.767	.642	.642	.642

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.459 <sup>a</sup>	.210	.208	8.740	.210	105.478	1	396	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.266	1.077		185.038	.000	197.149	201.383			
	Wint10MCRC	1.183	.115	.459	10.270	.000	.957	1.410	.459	.459	.459

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.516 <sup>a</sup>	.266	.266	9.164	.266	616.399	1	1698	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	198.182	.767		258.499	.000	196.679	199.686	
	Wint10MCRC	1.707	.069	.516	24.827	.000	1.572	1.842	.516	.516	.516

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.572 <sup>a</sup>	.327	.316	8.458	.327	30.098	1	62	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	198.507	3.367		58.950	.000	191.776	205.238	
	Wint10MCRC	1.634	.298	.572	5.486	.000	1.039	2.229	.572	.572	.572

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 314**

*Grade 3 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.522 <sup>a</sup>	.272	.271	10.438	.272	146.039	1	390	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	191.743	1.416		135.449	.000	188.960	194.526			
	Wint10MCRC	1.858	.154	.522	12.085	.000	1.556	2.161	.522	.522	.522

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 315**

*Grade 3 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.341 <sup>a</sup>	.116	.109	7.404	.116	15.915	1	121	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.504	1.411		143.502	.000	199.710	205.297			
	Wint10MCRC	.657	.165	.341	3.989	.000	.331	.984	.341	.341	.341

easyCBM Technical Adequacy  
Validity

**Table 316**  
*Grade 3 Full Sample Fall Vocabulary Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.701 <sup>a</sup>	.491	.491	7.653

a. Predictors: (Constant), Fall09Voc

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	190.777	.582		327.897	.000
	Fall09Voc	1.450	.033	.701	44.062	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 317**  
*Grade 3 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.778 <sup>a</sup>	.605	.593	5.846	.605	49.067	1	32	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	191.180	3.332		57.370	.000	184.392	197.968	
	Fall09Voc	1.347	.192	.778	7.005	.000	.955	1.738	.778	.778	.778

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.661 <sup>a</sup>	.437	.429	7.915	.437	56.687	1	73	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.488	3.293		58.759	.000	186.925	200.051			
	Fall09Voc	1.352	.180	.661	7.529	.000	.994	1.710	.661	.661	.661

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.795 <sup>a</sup>	.632	.623	5.754	.632	67.034	1	39	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	189.093	2.964		63.794	.000	183.098	195.089	
	Fall09Voc	1.452	.177	.795	8.187	.000	1.093	1.811	.795	.795	.795

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.704 <sup>a</sup>	.496	.494	7.450	.496	280.212	1	285	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	189.558	1.287		147.247	.000	187.025	192.092	
	Fall09Voc	1.426	.085	.704	16.740	.000	1.258	1.593	.704	.704	.704

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.677 <sup>a</sup>	.459	.458	7.758	.459	1253.965	1	1479	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	191.737	.722		265.555	.000	190.320	193.153			
	Fall09Voc	1.412	.040	.677	35.411	.000	1.334	1.490	.677	.677	.677

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.749 <sup>a</sup>	.562	.554	7.023	.562	70.456	1	55	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	184.863	3.910		47.284	.000	177.028	192.698	
	Fall09Voc	1.785	.213	.749	8.394	.000	1.359	2.211	.749	.749	.749

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 318**  
*Grade 3 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.740 <sup>a</sup>	.547	.546	8.199	.547	404.084	1	334	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	186.504	1.159		160.977	.000	184.225	188.783			
	Fall09Voc	1.591	.079	.740	20.102	.000	1.435	1.747	.740	.740	.740

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 319**  
*Grade 3 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.597 <sup>a</sup>	.356	.346	6.996	.356	36.500	1	66	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.776	2.414		80.287	.000	188.957	198.594			
	Fall09Voc	1.090	.180	.597	6.042	.000	.729	1.450	.597	.597	.597

easyCBM Technical Adequacy  
Validity

**Table 320**  
*Grade 3 Fall Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.754 <sup>a</sup>	.568	.566	7.114	.568	260.083	4	791	.000

a. Predictors: (Constant), Fall09Voc, Fall09MCRC, Fall09WRF, Fall09PRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	188.902	.906		208.454	.000	187.123	190.681	
	Fall09WRF	-.134	.025	-.323	-5.264	.000	-.184	-.084	.596	-.184	-.123
	Fall09PRF	.148	.017	.553	8.834	.000	.115	.181	.668	.300	.206
	Fall09MCRC	.292	.085	.112	3.444	.001	.125	.458	.574	.122	.080
	Fall09Voc	.955	.076	.467	12.638	.000	.806	1.103	.701	.410	.295

easyCBM Technical Adequacy  
Validity

**Table 321**

*Grade 3 Winter Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.697 <sup>a</sup>	.486	.484	7.755	.486	292.357	3	928	.000

a. Predictors: (Constant), Wint10MCRC, Wint10WRF, Wint10PRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for					
		B	Std. Error	Beta	t	Sig.	B		Correlations		
							Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.163	.827		232.335	.000	190.540	193.786			
	Wint10WRF	.031	.025	.069	1.214	.225	-.019	.080	.605	.040	.029
	Wint10PRF	.107	.014	.457	7.641	.000	.080	.135	.661	.243	.180
	Wint10MCRC	.798	.085	.263	9.375	.000	.631	.966	.541	.294	.221

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 322**  
*Grade 4 Full Sample Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.669 <sup>a</sup>	.448	.447	7.601

a. Predictors: (Constant), Fall09PRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	200.566	.521		384.989	.000
	Fall09PRF	.189	.004	.669	42.311	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 323**

*Grade 4 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.634 <sup>a</sup>	.402	.389	8.810	.402	28.960	1	43	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.829	4.842		40.234	.000	185.063	204.594			
	Fall09PRF	.237	.044	.634	5.381	.000	.148	.326	.634	.634	.634

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.620 <sup>a</sup>	.385	.377	7.185	.385	47.497	1	76	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	200.327	3.290		60.895	.000	193.775	206.879	
	Fall09PRF	.182	.026	.620	6.892	.000	.129	.234	.620	.620	.620

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.578 <sup>a</sup>	.334	.319	7.192	.334	21.585	1	43	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.400	4.061		49.590	.000	193.210	209.591			
	Fall09PRF	.181	.039	.578	4.646	.000	.102	.259	.578	.578	.578

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.661 <sup>a</sup>	.437	.435	7.207	.437	289.427	1	373	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	195.983	1.276		153.563	.000	193.474	198.493	
	Fall09PRF	.206	.012	.661	17.013	.000	.182	.230	.661	.661	.661

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.671 <sup>a</sup>	.450	.450	7.487	.450	1258.424	1	1538	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.162	.612		330.303	.000	200.961	203.362			
	Fall09PRF	.182	.005	.671	35.474	.000	.172	.192	.671	.671	.671

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.654 <sup>a</sup>	.428	.422	7.951	.428	68.871	1	92	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	202.302	2.406		84.078	.000	197.523	207.081	
	Fall09PRF	.167	.020	.654	8.299	.000	.127	.207	.654	.654	.654

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 324**

*Grade 4 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.463	.462	8.028	.463	340.371	1	394	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.710	.999		197.859	.000	195.745	199.674			
	Fall09PRF	.195	.011	.681	18.449	.000	.174	.216	.681	.681	.681

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 325**

*Grade 4 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.603 <sup>a</sup>	.363	.357	6.479	.363	55.934	1	98	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.060	2.628		73.453	.000	187.844	198.275			
	Fall09PRF	.209	.028	.603	7.479	.000	.153	.264	.603	.603	.603

easyCBM Technical Adequacy  
Validity

**Table 326**  
*Grade 4 Full Sample Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.643 <sup>a</sup>	.414	.414	7.824

a. Predictors: (Constant), Wint10PRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	197.939	.631		313.884	.000
	Wint10PRF	.177	.005	.643	39.056	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 327**

*Grade 4 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.652 <sup>a</sup>	.424	.411	8.646	.424	31.713	1	43	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	194.085	4.764		40.743	.000	184.479	203.692	
	Wint10PRF	.201	.036	.652	5.631	.000	.129	.273	.652	.652	.652

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.612 <sup>a</sup>	.375	.366	7.458	.375	44.350	1	74	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Wint10PRF	.188	.028	.612	6.660	.000	.131	.244	.612	.612	.612

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.634 <sup>a</sup>	.403	.389	7.344	.403	30.316	1	45	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.408	4.331		45.354	.000	187.685	205.130			
	Wint10PRF	.183	.033	.634	5.506	.000	.116	.250	.634	.634	.634

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.634 <sup>a</sup>	.401	.400	7.488	.401	222.693	1	332	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	195.297	1.526		127.978	.000	192.295	198.299			
	Wint10PRF	.176	.012	.634	14.923	.000	.153	.199	.634	.634	.634

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.639 <sup>a</sup>	.409	.408	7.773	.409	1055.712	1	1527	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.235	.751		265.162	.000	197.762	200.709	
	Wint10PRF	.173	.005	.639	32.492	.000	.163	.184	.639	.639	.639

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.667 <sup>a</sup>	.445	.439	7.744	.445	75.241	1	94	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.272	2.619		76.099	.000	194.073	204.472	
	Wint10PRF	.162	.019	.667	8.674	.000	.125	.199	.667	.667	.667

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 328**

*Grade 4 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.683 <sup>a</sup>	.467	.465	8.014	.467	341.172	1	390	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.205	1.180		164.614	.000	191.886	196.524			
	Wint10PRF	.193	.010	.683	18.471	.000	.172	.213	.683	.683	.683

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 329**

*Grade 4 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.632 <sup>a</sup>	.399	.391	6.356	.399	49.843	1	75	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.687	2.949		65.338	.000	186.812	198.562			
	Wint10PRF	.180	.026	.632	7.060	.000	.129	.231	.632	.632	.632

easyCBM Technical Adequacy  
Validity

**Table 330**

*Grade 4 Full Sample Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.673 <sup>a</sup>	.453	.453	7.555

a. Predictors: (Constant), Fall09MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	202.715	.464		437.004	.000
	Fall09MCRC	1.561	.036	.673	43.125	.000

a. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 331**

*Grade 4 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.593 <sup>a</sup>	.352	.337	9.177	.352	23.329	1	43	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.677	5.401		36.047	.000	183.785	205.568			
	Fall09MCRC	2.068	.428	.593	4.830	.000	1.205	2.932	.593	.593	.593

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.575 <sup>a</sup>	.330	.322	7.302	.330	40.412	1	82	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.482	2.182		96.020	.000	205.142	213.822			
	Fall09MCRC	1.086	.171	.575	6.357	.000	.746	1.425	.575	.575	.575

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.632 <sup>a</sup>	.400	.387	6.907	.400	31.307	1	47	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.113	2.405		86.101	.000	202.274	211.952			
	Fall09MCRC	1.177	.210	.632	5.595	.000	.754	1.600	.632	.632	.632

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.641 <sup>a</sup>	.411	.410	7.435	.411	264.088	1	378	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.610	.944		214.533	.000	200.753	204.467			
	Fall09MCRC	1.428	.088	.641	16.251	.000	1.255	1.600	.641	.641	.641

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.661 <sup>a</sup>	.437	.436	7.570	.437	1203.644	1	1553	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.026	.601		337.770	.000	201.847	204.205	
	Fall09MCRC	1.565	.045	.661	34.694	.000	1.477	1.654	.661	.661	.661

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.751 <sup>a</sup>	.564	.559	6.851	.564	117.852	1	91	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.912	2.179		91.270	.000	194.583	203.241			
	Fall09MCRC	1.846	.170	.751	10.856	.000	1.508	2.183	.751	.751	.751

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 332**

*Grade 4 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.643 <sup>a</sup>	.414	.412	8.465	.414	277.785	1	394	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	197.570	1.110		177.956	.000	195.387	199.753			
	Fall09MCRC	1.745	.105	.643	16.667	.000	1.539	1.951	.643	.643	.643

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 333**

*Grade 4 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.507 <sup>a</sup>	.257	.249	7.280	.257	33.509	1	97	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.123	1.690		120.213	.000	199.769	206.477			
	Fall09MCRC	1.179	.204	.507	5.789	.000	.775	1.584	.507	.507	.507



easyCBM Technical Adequacy  
Validity

**Table 334**

*Grade 4 Full Sample Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.548 <sup>a</sup>	.300	.300	8.620

a. Predictors: (Constant), Wint10MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized	t	Sig.
		B	Std. Error	Coefficients		
1	(Constant)	203.920	.590		345.903	.000
	Wint10MCRC	1.311	.042	.548	31.305	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 335**  
*Grade 4 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.718 <sup>a</sup>	.516	.504	7.932	.516	45.786	1	43	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	184.443	5.373		34.325	.000	173.606	195.279	
	Wint10MCRC	2.452	.362	.718	6.767	.000	1.721	3.182	.718	.718	.718

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.500 <sup>a</sup>	.250	.241	8.537	.250	27.943	1	84	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.965	2.760		75.703	.000	203.476	214.454	
	Wint10MCRC	1.007	.190	.500	5.286	.000	.628	1.386	.500	.500	.500

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.636 <sup>a</sup>	.405	.392	7.611	.405	31.955	1	47	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	199.862	3.645		54.827	.000	192.528	207.195	
	Wint10MCRC	1.460	.258	.636	5.653	.000	.941	1.980	.636	.636	.636

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.453 <sup>a</sup>	.205	.203	8.676	.205	100.078	1	387	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.653	1.086		190.207	.000	204.517	208.789			
	Wint10MCRC	.883	.088	.453	10.004	.000	.710	1.057	.453	.453	.453

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.541 <sup>a</sup>	.293	.293	8.485	.293	654.699	1	1580	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.576	.781		260.716	.000	202.044	205.108			
	Wint10MCRC	1.381	.054	.541	25.587	.000	1.276	1.487	.541	.541	.541

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.580 <sup>a</sup>	.336	.329	8.501	.336	48.559	1	96	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.556	3.191		62.544	.000	193.223	205.889			
	Wint10MCRC	1.560	.224	.580	6.968	.000	1.116	2.005	.580	.580	.580

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 336**

*Grade 4 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.573 <sup>a</sup>	.328	.326	8.999	.328	198.121	1	406	.000	

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	197.625	1.283		154.087	.000	195.104	200.147	
	Wint10MCRC	1.491	.106	.573	14.076	.000	1.283	1.699	.573	.573	.573

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 337**

*Grade 4 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.396 <sup>a</sup>	.157	.148	7.455	.157	18.608	1	100	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.505	1.441		143.317	.000	203.646	209.364			
	Wint10MCRC	.612	.142	.396	4.314	.000	.331	.894	.396	.396	.396

easyCBM Technical Adequacy  
Validity

**Table 338**  
*Grade 4 Full Sample Fall Vocabulary Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.709 <sup>a</sup>	.502	.502	7.228

a. Predictors: (Constant), Fall09Voc

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	195.867	.602		325.358	.000
	Fall09Voc	1.598	.036	.709	44.382	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 339**  
*Grade 4 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.644 <sup>a</sup>	.415	.400	8.963	.415	27.699	1	39	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	189.697	5.894		32.184	.000	177.775	201.619	
	Fall09Voc	1.849	.351	.644	5.263	.000	1.139	2.560	.644	.644	.644

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.553 <sup>a</sup>	.306	.295	7.340	.306	29.058	1	66	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.790	3.941		51.203	.000	193.922	209.659	
	Fall09Voc	1.261	.234	.553	5.391	.000	.794	1.728	.553	.553	.553

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.455 <sup>a</sup>	.207	.188	7.215	.207	10.721	1	41	.002

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	204.431	4.901		41.711	.000	194.533	214.329	
	Fall09Voc	.990	.302	.455	3.274	.002	.380	1.601	.455	.455	.455

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.709 <sup>a</sup>	.503	.501	7.046	.503	286.022	1	283	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.865	1.372		142.034	.000	192.165	197.566			
	Fall09Voc	1.582	.094	.709	16.912	.000	1.398	1.766	.709	.709	.709

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.704 <sup>a</sup>	.496	.496	7.187	.496	1368.442	1	1390	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	196.414	.734		267.420	.000	194.974	197.855	
	Fall09Voc	1.587	.043	.704	36.992	.000	1.503	1.671	.704	.704	.704

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.724 <sup>a</sup>	.524	.519	7.389	.524	97.025	1	88	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	194.898	2.764		70.509	.000	189.405	200.391	
	Fall09Voc	1.618	.164	.724	9.850	.000	1.292	1.945	.724	.724	.724

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 340**  
*Grade 4 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.673 <sup>a</sup>	.452	.451	8.178	.452	300.778	1	364	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.379	1.244		156.311	.000	191.933	196.824			
	Fall09Voc	1.565	.090	.673	17.343	.000	1.388	1.743	.673	.673	.673

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 341**  
*Grade 4 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>										
Model	R			Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.547 <sup>a</sup>	.299	.287	7.463	.299	24.306	1	57	.000	

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.413	2.916		68.396	.000	193.575	205.252			
	Fall09Voc	1.234	.250	.547	4.930	.000	.733	1.735	.547	.547	.547

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 342**  
*Grade 4 Fall Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.775 <sup>a</sup>	.601	.600	6.609	.601	976.803	3	1949	.000

a. Predictors: (Constant), Fall09Voc, Fall09MCRC, Fall09PRF

Coefficients												
Model		Unstandardized		Standardized		95.0% Confidence Interval for B			Correlations			
		Coefficients		Coefficients		t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		B	Std. Error	Beta								
1	(Constant)	192.944	.552			349.782	.000	191.862	194.026			
	Fall09PRF	.068	.006	.245	11.478	.000	.057	.080		.669	.252	.164
	Fall09MCRC	.691	.047	.294	14.633	.000	.598	.783		.673	.315	.209
	Fall09Voc	.765	.051	.337	15.022	.000	.665	.865		.709	.322	.215

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 343**  
*Grade 4 Winter Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.684 <sup>a</sup>	.467	.467	7.629	.467	948.044	2	2160	.000

a. Predictors: (Constant), Wint10MCRC, Wint10PRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B					
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	194.577	.627		310.394	.000	193.348	195.806			
	Wint10PRF	.133	.005	.490	26.058	.000	.123	.143	.643	.489	.409
	Wint10MCRC	.657	.045	.278	14.755	.000	.569	.744	.548	.303	.232

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 344**

*Grade 5 Full Sample Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.673 <sup>a</sup>	.453	.453	6.643

a. Predictors: (Constant), Fall09PRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	202.847	.517		392.502	.000
	Fall09PRF	.147	.003	.673	43.951	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 345**  
*Grade 5 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.575 <sup>a</sup>	.331	.316	6.288	.331	22.751	1	46	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	207.818	3.310		62.789	.000	201.156	214.480	
	Fall09PRF	.111	.023	.575	4.770	.000	.064	.158	.575	.575	.575

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.464	.458	7.156	.464	79.517	1	92	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	200.861	2.942		68.275	.000	195.018	206.704	
	Fall09PRF	.159	.018	.681	8.917	.000	.123	.194	.681	.681	.681

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.830 <sup>a</sup>	.688	.682	5.961	.688	103.813	1	47	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	193.076	2.549		75.757	.000	187.949	198.203	
	Fall09PRF	.200	.020	.830	10.189	.000	.161	.240	.830	.830	.830

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.661 <sup>a</sup>	.438	.436	6.056	.438	294.037	1	378	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	200.648	1.206		166.441	.000	198.277	203.018	
	Fall09PRF	.145	.008	.661	17.148	.000	.129	.162	.661	.661	.661

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.659 <sup>a</sup>	.435	.434	6.640	.435	1251.670	1	1627	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.533	.624		327.780	.000	203.309	205.757			
	Fall09PRF	.140	.004	.659	35.379	.000	.133	.148	.659	.659	.659

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.674 <sup>a</sup>	.455	.449	5.694	.455	71.753	1	86	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.451	2.561		79.845	.000	199.360	209.541			
	Fall09PRF	.137	.016	.674	8.471	.000	.105	.170	.674	.674	.674

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 346**

*Grade 5 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.665 <sup>a</sup>	.442	.441	7.416	.442	334.158	1	422	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.123	1.071		186.938	.000	198.019	202.228			
	Fall09PRF	.156	.009	.665	18.280	.000	.139	.173	.665	.665	.665

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 347**  
**Grade 5 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility**

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.512 <sup>a</sup>	.262	.254	6.494	.262	32.967	1	93	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.735	2.725		74.034	.000	196.324	207.146			
	Fall09PRF	.128	.022	.512	5.742	.000	.084	.172	.512	.512	.512

easyCBM Technical Adequacy  
Validity

**Table 348**  
*Grade 5 Full Sample Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.654 <sup>a</sup>	.428	.428	6.790

a. Predictors: (Constant), Wint10PRF

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	202.437	.563		359.546	.000
	Wint10PRF	.144	.003	.654	41.205	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 349**

*Grade 5 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.604 <sup>a</sup>	.365	.351	6.166	.365	25.827	1	45	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.958	3.492		58.976	.000	198.924	212.991	
	Wint10PRF	.117	.023	.604	5.082	.000	.071	.164	.604	.604	.604

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.631 <sup>a</sup>	.398	.392	7.840	.398	60.923	1	92	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.314	3.365		59.531	.000	193.631	206.997			
	Wint10PRF	.153	.020	.631	7.805	.000	.114	.191	.631	.631	.631

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.788 <sup>a</sup>	.622	.613	6.303	.622	75.535	1	46	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.105	3.051		63.290	.000	186.964	199.247			
	Wint10PRF	.194	.022	.788	8.691	.000	.149	.239	.788	.788	.788

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.636 <sup>a</sup>	.404	.403	6.245	.404	222.090	1	327	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.652	1.347		149.669	.000	199.001	204.302	
	Wint10PRF	.132	.009	.636	14.903	.000	.115	.149	.636	.636	.636

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.651 <sup>a</sup>	.424	.423	6.744	.424	1187.985	1	1616	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.518	.668		304.740	.000	202.208	204.828	
	Wint10PRF	.141	.004	.651	34.467	.000	.133	.149	.651	.651	.651

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.605 <sup>a</sup>	.366	.359	6.084	.366	50.794	1	88	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.047	2.954		69.408	.000	199.177	210.918			
	Wint10PRF	.131	.018	.605	7.127	.000	.094	.167	.605	.605	.605

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

**Table 350**  
*Grade 5 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.620 <sup>a</sup>	.384	.383	7.892	.384	257.683	1	413	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.283	1.265		157.479	.000	196.796	201.771			
	Wint10PRF	.153	.010	.620	16.053	.000	.134	.172	.620	.620	.620

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 351**

*Grade 5 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.471 <sup>a</sup>	.222	.211	6.738	.222	20.816	1	73	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.994	3.357		60.470	.000	196.304	209.685			
	Wint10PRF	.114	.025	.471	4.562	.000	.064	.163	.471	.471	.471

easyCBM Technical Adequacy  
Validity

**Table 352**  
*Grade 5 Full Sample Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.562 <sup>a</sup>	.315	.315	7.402

a. Predictors: (Constant), Fall09MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	205.840	.588		350.155	.000
	Fall09MCRC	1.393	.042	.562	33.299	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 353**  
*Grade 5 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.600 <sup>a</sup>	.360	.346	6.187	.360	25.337	1	45	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.494	3.999		50.881	.000	195.439	211.549	
	Fall09MCRC	1.492	.296	.600	5.034	.000	.895	2.088	.600	.600	.600

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.658 <sup>a</sup>	.433	.427	7.402	.433	72.659	1	95	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.136	2.913		69.396	.000	196.353	207.918			
	Fall09MCRC	1.740	.204	.658	8.524	.000	1.335	2.146	.658	.658	.658

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.610 <sup>a</sup>	.373	.360	8.083	.373	29.099	1	49	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	193.764	4.789		40.464	.000	184.141	203.387			
	Fall09MCRC	2.061	.382	.610	5.394	.000	1.293	2.829	.610	.610	.610

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.490 <sup>a</sup>	.240	.238	7.076	.240	132.604	1	420	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.863	1.073		194.569	.000	206.753	210.973	
	Fall09MCRC	.973	.084	.490	11.515	.000	.807	1.139	.490	.490	.490

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.544 <sup>a</sup>	.295	.295	7.375	.295	695.181	1	1658	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.535	.757		272.820	.000	205.050	208.020			
	Fall09MCRC	1.386	.053	.544	26.366	.000	1.283	1.490	.544	.544	.544

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.545 <sup>a</sup>	.297	.289	6.434	.297	36.818	1	87	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.662	3.673		55.446	.000	196.361	210.962			
	Fall09MCRC	1.530	.252	.545	6.068	.000	1.029	2.031	.545	.545	.545

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 354**

*Grade 5 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.604 <sup>a</sup>	.364	.363	7.854	.364	247.047	1	431	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.254	1.176		171.121	.000	198.943	203.566	
	Fall09MCRC	1.482	.094	.604	15.718	.000	1.297	1.668	.604	.604	.604

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 355**  
*Grade 5 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.500 <sup>a</sup>	.250	.244	6.777	.250	36.416	1	109	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.629	1.616		128.463	.000	204.426	210.832			
	Fall09MCRC	.884	.146	.500	6.035	.000	.593	1.174	.500	.500	.500

easyCBM Technical Adequacy  
Validity

**Table 356**  
*Grade 5 Full Sample Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.526 <sup>a</sup>	.276	.276	7.655

a. Predictors: (Constant), Wint10MCRC

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	206.155	.631		326.484	.000
	Wint10MCRC	1.203	.040	.526	30.435	.000

a. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 357**

*Grade 5 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.567 <sup>a</sup>	.322	.307	6.330	.322	21.837	1	46	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	197.748	5.480		36.083	.000	186.717	208.780	
	Wint10MCRC	1.605	.344	.567	4.673	.000	.914	2.297	.567	.567	.567

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.468 <sup>a</sup>	.219	.211	8.559	.219	29.092	1	104	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	212.378	2.660		79.828	.000	207.102	217.654	
	Wint10MCRC	.910	.169	.468	5.394	.000	.575	1.244	.468	.468	.468

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.533 <sup>a</sup>	.284	.271	8.890	.284	21.442	1	54	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	202.959	3.527		57.536	.000	195.887	210.032	
	Wint10MCRC	1.120	.242	.533	4.631	.000	.635	1.605	.533	.533	.533

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.535 <sup>a</sup>	.286	.284	6.818	.286	159.284	1	398	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.795	1.074		193.560	.000	205.684	209.905			
	Wint10MCRC	.923	.073	.535	12.621	.000	.780	1.067	.535	.535	.535

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.513 <sup>a</sup>	.264	.263	7.587	.264	600.432	1	1678	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.524	.852		241.331	.000	203.853	207.194	
	Wint10MCRC	1.280	.052	.513	24.504	.000	1.177	1.382	.513	.513	.513

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.509 <sup>a</sup>	.260	.251	6.575	.260	30.846	1	88	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	198.981	4.843		41.088	.000	189.357	208.605	
	Wint10MCRC	1.610	.290	.509	5.554	.000	1.034	2.186	.509	.509	.509

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 358**

*Grade 5 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model Summary <sup>b</sup>										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.574 <sup>a</sup>	.330	.328	8.215	.330	214.168	1	435	.000	

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	200.253	1.339		149.584	.000	197.622	202.884	
	Wint10MCRC	1.365	.093	.574	14.634	.000	1.181	1.548	.574	.574	.574

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 359**  
*Grade 5 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.536 <sup>a</sup>	.287	.280	6.362	.287	42.271	1	105	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.043	1.349		154.946	.000	206.368	211.719			
	Wint10MCRC	.704	.108	.536	6.502	.000	.489	.918	.536	.536	.536



easyCBM Technical Adequacy  
Validity

**Table 360**  
*Grade 5 Full Sample Fall Vocabulary Scores Predicting Spring OAKS Reading Performance*

<b>Model Summary</b>				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.698 <sup>a</sup>	.487	.487	6.399

a. Predictors: (Constant), Fall09Voc

<b>Coefficients<sup>a</sup></b>						
Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	200.095	.566		353.242	.000
	Fall09Voc	1.333	.030	.698	45.072	.000

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 361**  
*Grade 5 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.568 <sup>a</sup>	.323	.307	5.989	.323	20.018	1	42	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.936	3.742		55.306	.000	199.385	214.487			
	Fall09Voc	.906	.202	.568	4.474	.000	.497	1.315	.568	.568	.568

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.725 <sup>a</sup>	.526	.520	6.953	.526	94.316	1	85	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	201.031	2.724		73.813	.000	195.616	206.446	
	Fall09Voc	1.391	.143	.725	9.712	.000	1.106	1.676	.725	.725	.725

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.825 <sup>a</sup>	.681	.674	6.136	.681	96.167	1	45	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	192.804	2.690		71.675	.000	187.387	198.222			
	Fall09Voc	1.589	.162	.825	9.806	.000	1.262	1.915	.825	.825	.825

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.665 <sup>a</sup>	.442	.440	5.913	.442	251.129	1	317	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.556	1.018		201.845	.000	203.553	207.560			
	Fall09Voc	.983	.062	.665	15.847	.000	.861	1.105	.665	.665	.665

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.688 <sup>a</sup>	.473	.473	6.379	.473	1359.980	1	1515	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.001	.772		256.405	.000	196.486	199.515			
	Fall09Voc	1.445	.039	.688	36.878	.000	1.369	1.522	.688	.688	.688

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.586 <sup>a</sup>	.343	.335	6.279	.343	43.876	1	84	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.259	3.130		65.581	.000	199.035	211.483	
	Fall09Voc	1.038	.157	.586	6.624	.000	.726	1.350	.586	.586	.586

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 362**  
**Grade 5 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility**

Model Summary <sup>b</sup>										
Model	R			Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.712 <sup>a</sup>	.507	.506	7.090	.507	396.623	1	386	.000	

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	196.869	1.145		171.884	.000	194.617	199.121			
	Fall09Voc	1.399	.070	.712	19.915	.000	1.261	1.537	.712	.712	.712

a. SPED = Yes

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 363**  
*Grade 5 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model Summary <sup>b</sup>										
Model	R Squares			Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.561 <sup>a</sup>	.315	.306	6.158	.315	32.677	1	71	.000	

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.740	1.959		106.059	.000	203.834	211.645			
	Fall09Voc	.820	.143	.561	5.716	.000	.534	1.106	.561	.561	.561

easyCBM Technical Adequacy  
Validity

**Table 364**  
*Grade 5 Fall Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.759 <sup>a</sup>	.576	.576	6.017	.576	952.898	3	2101	.000

a. Predictors: (Constant), Fall09Voc, Fall09MCRC, Fall09PRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B			Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	195.447	.567		344.902	.000	194.336	196.558	
	Fall09PRF	.072	.004	.339	17.014	.000	.064	.081	.673	.348	.242
	Fall09MCRC	.279	.047	.113	6.008	.000	.188	.371	.562	.130	.085
	Fall09Voc	.782	.039	.408	20.301	.000	.707	.858	.698	.405	.288

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 365**  
*Grade 5 Winter Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.685 <sup>a</sup>	.470	.469	6.729	.470	1004.116	2	2266	.000

a. Predictors: (Constant), Wint10MCRC, Wint10PRF

Coefficients											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for					
						B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	198.140	.617		321.003	.000	196.929	199.350			
	Wint10PRF	.114	.004	.523	28.761	.000	.106	.121	.654	.517	.440
	Wint10MCRC	.558	.042	.243	13.337	.000	.476	.640	.526	.270	.204

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 366**  
*Grade 6 Full Sample Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.645 <sup>a</sup>	.416	.416	6.828	.416	806.930	1	1132	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.799	.751		275.324	.000	205.325	208.272			
	Fall09PRF	.145	.005	.645	28.407	.000	.135	.155	.645	.645	.645

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 367**

*Grade 6 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.464	.446	6.933	.464	25.960	1	30	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	204.470	4.311		47.425	.000	195.665	213.275	
	Fall09PRF	.175	.034	.681	5.095	.000	.105	.245	.681	.681	.681

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.614 <sup>a</sup>	.377	.355	6.737	.377	16.962	1	28	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.744	5.313		39.474	.000	198.860	220.628			
	Fall09PRF	.133	.032	.614	4.119	.000	.067	.198	.614	.614	.614

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.675 <sup>a</sup>	.456	.431	8.121	.456	18.450	1	22	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	204.932	4.957		41.340	.000	194.652	215.213	
	Fall09PRF	.146	.034	.675	4.295	.000	.075	.216	.675	.675	.675

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.673 <sup>a</sup>	.453	.449	5.528	.453	116.763	1	141	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.436	1.688		121.704	.000	202.099	208.773			
	Fall09PRF	.138	.013	.673	10.806	.000	.112	.163	.673	.673	.673

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**White**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.642 <sup>a</sup>	.413	.412	6.861	.413	525.801	1	748	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.780	.939		221.259	.000	205.937	209.624			
	Fall09PRF	.144	.006	.642	22.930	.000	.132	.157	.642	.642	.642

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.634 <sup>a</sup>	.403	.389	6.256	.403	30.320	1	45	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	206.603	4.297		48.081	.000	197.948	215.257	
	Fall09PRF	.153	.028	.634	5.506	.000	.097	.209	.634	.634	.634

a. EthnicCd = Mult-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 368**  
*Grade 6 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.651 <sup>a</sup>	.424	.421	7.607	.424	150.678	1	205	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.844	1.612		125.834	.000	199.665	206.022			
	Fall09PRF	.165	.013	.651	12.275	.000	.138	.191	.651	.651	.651

a. SpEd = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 369**

*Grade 6 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.728 <sup>a</sup>	.529	.519	5.033	.529	50.615	1	45	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>												
Model		Standardized				95.0% Confidence Interval for B			Correlations			
		Unstandardized Coefficients		Coefficients		t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		B	Std. Error	Beta								
1	(Constant)	200.192	2.758		72.583	.000	194.637	205.747				
	Fall09PRF	.166	.023	.728	7.114	.000	.119	.213	.728	.728	.728	

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 370**  
*Grade 6 Full Sample Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.647 <sup>a</sup>	.418	.418	6.775	.418	758.256	1	1055	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.800	.824		249.655	.000	204.183	207.418			
	Wint10PRF	.140	.005	.647	27.536	.000	.130	.150	.647	.647	.647

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 371**

*Grade 6 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.578 <sup>a</sup>	.334	.311	6.952	.334	14.560	1	29	.001

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	207.143	5.319		38.946	.000	196.265	218.021	
	Wint10PRF	.141	.037	.578	3.816	.001	.066	.217	.578	.578	.578

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.556 <sup>a</sup>	.309	.283	7.131	.309	11.640	1	26	.002

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	213.194	5.299		40.233	.000	202.302	224.086			
	Wint10PRF	.102	.030	.556	3.412	.002	.040	.163	.556	.556	.556

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.319 <sup>a</sup>	.102	.055	8.885	.102	2.158	1	19	.158

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	214.802	9.001		23.865	.000	195.964	233.641			
	Wint10PRF	.080	.055	.319	1.469	.158	-.034	.195	.319	.319	.319

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.671 <sup>a</sup>	.450	.446	5.386	.450	111.095	1	136	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.339	1.763		116.467	.000	201.852	208.826	
	Wint10PRF	.127	.012	.671	10.540	.000	.103	.151	.671	.671	.671

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.653 <sup>a</sup>	.427	.426	6.882	.427	548.706	1	737	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	205.690	1.010		203.659	.000	203.707	207.673	
	Wint10PRF	.143	.006	.653	23.424	.000	.131	.155	.653	.653	.653

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.662 <sup>a</sup>	.438	.424	6.188	.438	32.691	1	42	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.698	5.029		40.104	.000	191.548	211.847			
	Wint10PRF	.170	.030	.662	5.718	.000	.110	.230	.662	.662	.662

a. EthnicCd = Mult-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 372**

*Grade 6 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.651 <sup>a</sup>	.423	.420	7.668	.423	128.534	1	175	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	203.651	1.752		116.217	.000	200.193	207.110			
	Wint10PRF	.145	.013	.651	11.337	.000	.120	.170	.651	.651	.651

a. SpEd = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 373**  
*Grade 6 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.656 <sup>a</sup>	.431	.406	4.728	.431	17.391	1	23	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	205.972	4.182		49.253	.000	197.321	214.623			
	Wint10PRF	.125	.030	.656	4.170	.000	.063	.188	.656	.656	.656

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 374**

*Grade 6 Full Sample Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.551 <sup>a</sup>	.304	.304	7.628	.304	1002.780	1	2297	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.121	.669		311.021	.000	206.809	209.433			
	Fall09MCRC	1.447	.046	.551	31.667	.000	1.358	1.537	.551	.551	.551

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 375**  
*Grade 6 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.619 <sup>a</sup>	.384	.372	7.011	.384	33.618	1	54	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.797	4.173		48.837	.000	195.431	212.164	
	Fall09MCRC	1.724	.297	.619	5.798	.000	1.128	2.320	.619	.619	.619

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.677 <sup>a</sup>	.458	.452	5.636	.458	73.595	1	87	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.977	2.746		75.388	.000	201.520	212.434			
	Fall09MCRC	1.579	.184	.677	8.579	.000	1.213	1.944	.677	.677	.677

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.463 <sup>a</sup>	.215	.199	8.140	.215	13.930	1	51	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	212.255	3.430		61.878	.000	205.369	219.142			
	Fall09MCRC	.956	.256	.463	3.732	.000	.442	1.470	.463	.463	.463

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.645 <sup>a</sup>	.416	.414	6.393	.416	170.956	1	240	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	202.159	1.733		116.682	.000	198.746	205.571	
	Fall09MCRC	1.629	.125	.645	13.075	.000	1.384	1.875	.645	.645	.645

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.517 <sup>a</sup>	.267	.267	7.752	.267	582.899	1	1600	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.334	.872		240.136	.000	207.624	211.043			
	Fall09MCRC	1.410	.058	.517	24.143	.000	1.295	1.524	.517	.517	.517

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.628 <sup>a</sup>	.394	.387	7.346	.394	51.417	1	79	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	199.639	4.275		46.701	.000	191.131	208.148			
	Fall09MCRC	2.028	.283	.628	7.171	.000	1.465	2.590	.628	.628	.628

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 376**  
**Grade 6 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.579 <sup>a</sup>	.335	.334	7.830	.335	201.374	1	399	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.210	1.192		172.996	.000	203.867	208.554			
	Fall09MCRC	1.340	.094	.579	14.191	.000	1.154	1.525	.579	.579	.579

a. SpEd = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 377**

*Grade 6 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.558 <sup>a</sup>	.311	.304	6.216	.311	43.353	1	96	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.625	1.760		118.556	.000	205.132	212.118			
	Fall09MCRC	1.029	.156	.558	6.584	.000	.719	1.339	.558	.558	.558

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 378**  
*Grade 6 Full Sample Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.440 <sup>a</sup>	.194	.193	8.236	.194	291.003	1	1209	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	215.386	.780		276.261	.000	213.856	216.915			
	Wint10MCRC	.977	.057	.440	17.059	.000	.865	1.090	.440	.440	.440

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 379**

*Grade 6 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.694 <sup>a</sup>	.482	.465	5.995	.482	28.858	1	31	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	197.635	5.510		35.871	.000	186.399	208.872	
	Wint10MCRC	2.126	.396	.694	5.372	.000	1.319	2.934	.694	.694	.694

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.557 <sup>a</sup>	.310	.294	7.073	.310	18.904	1	42	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	217.867	2.948		73.897	.000	211.917	223.817	
	Wint10MCRC	.921	.212	.557	4.348	.000	.493	1.348	.557	.557	.557

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.694 <sup>a</sup>	.481	.465	7.146	.481	28.764	1	31	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Wint10MCRC	1.423	.265	.694	5.363	.000	.882	1.964	.694	.694	.694

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.562 <sup>a</sup>	.316	.310	6.127	.316	62.236	1	135	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.238	1.976		105.379	.000	204.330	212.146	
	Wint10MCRC	1.197	.152	.562	7.889	.000	.897	1.498	.562	.562	.562

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.397 <sup>a</sup>	.158	.157	8.453	.158	149.747	1	800	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	217.552	1.007		215.973	.000	215.575	219.530	
	Wint10MCRC	.892	.073	.397	12.237	.000	.749	1.035	.397	.397	.397

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.548 <sup>a</sup>	.301	.286	7.555	.301	19.789	1	46	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	204.900	5.825		35.176	.000	193.175	216.625	
	Wint10MCRC	1.791	.403	.548	4.448	.000	.981	2.602	.548	.548	.548

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 380**

*Grade 6 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.483 <sup>a</sup>	.234	.230	8.518	.234	64.956	1	213	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	211.000	1.555		135.667	.000	207.935	214.066			
	Wint10MCRC	1.033	.128	.483	8.060	.000	.781	1.286	.483	.483	.483

a. SpEd = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 381**

*Grade 6 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model	Std. Error of the			Change Statistics					
	R	R Square	Adjusted R Square	Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.629 <sup>a</sup>	.396	.383	5.355	.396	30.114	1	46	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	211.077	1.759		119.975	.000	207.536	214.619			
	Wint10MCRC	.829	.151	.629	5.488	.000	.525	1.133	.629	.629	.629

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 382**  
*Grade 6 Full Sample Fall Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.693 <sup>a</sup>	.480	.480	6.603	.480	1876.578	1	2034	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.221	.520		398.531	.000	206.202	208.241			
	Fall09Voc	1.417	.033	.693	43.319	.000	1.352	1.481	.693	.693	.693

a. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 383**  
*Grade 6 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.749 <sup>a</sup>	.561	.553	5.919	.561	68.931	1	54	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	203.155	3.023		67.214	.000	197.095	209.215	
	Fall09Voc	1.689	.203	.749	8.302	.000	1.281	2.097	.749	.749	.749

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.681 <sup>a</sup>	.464	.456	5.064	.464	63.935	1	74	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	213.780	2.150		99.451	.000	209.497	218.063			
	Fall09Voc	1.078	.135	.681	7.996	.000	.809	1.346	.681	.681	.681

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.517 <sup>a</sup>	.267	.251	8.141	.267	16.401	1	45	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.847	4.051		51.556	.000	200.688	217.006	
	Fall09Voc	1.210	.299	.517	4.050	.000	.608	1.812	.517	.517	.517

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.684 <sup>a</sup>	.468	.466	6.082	.468	208.698	1	237	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.375	1.234		168.048	.000	204.944	209.806			
	Fall09Voc	1.329	.092	.684	14.446	.000	1.148	1.511	.684	.684	.684

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.679 <sup>a</sup>	.461	.460	6.695	.461	1248.726	1	1461	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	207.066	.666		311.075	.000	205.761	208.372	
	Fall09Voc	1.431	.041	.679	35.337	.000	1.352	1.511	.679	.679	.679

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-Ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.759 <sup>a</sup>	.575	.569	6.404	.575	90.794	1	67	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	202.649	2.891		70.086	.000	196.878	208.420	
	Fall09Voc	1.758	.185	.759	9.529	.000	1.390	2.127	.759	.759	.759

a. EthnicCd = Multi-Ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 384**  
*Grade 6 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.648 <sup>a</sup>	.419	.418	7.500	.419	258.562	1	358	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	204.466	1.192		171.568	.000	202.122	206.810			
	Fall09Voc	1.438	.089	.648	16.080	.000	1.262	1.613	.648	.648	.648

a. SpEd = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 385**  
*Grade 6 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.485 <sup>a</sup>	.236	.224	6.784	.236	20.658	1	67	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.306	2.663		78.597	.000	203.990	214.621			
	Fall09Voc	1.093	.241	.485	4.545	.000	.613	1.574	.485	.485	.485

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 386**  
*Grade 6 Fall Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.764 <sup>a</sup>	.584	.582	6.098	.584	434.920	3	931	.000	

a. Predictors: (Constant), Fall09Voc, Fall09MCRC, Fall09PRF

Coefficients <sup>a</sup>													
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			Collinearity Statistics		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
		1	(Constant)	199.301	.884		225.565	.000	197.567	201.035			
	Fall09PRF	.074	.006	.315	11.475	.000	.061	.086	.645	.352	.243	.594	1.684
	Fall09MCRC	.401	.069	.154	5.820	.000	.266	.536	.551	.187	.123	.638	1.568
	Fall09Voc	.886	.057	.427	15.473	.000	.773	.998	.693	.452	.327	.589	1.699

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 387**  
*Grade 6 Winter Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.659 <sup>a</sup>	.435	.433	7.103	.435	336.538	2	876	.000

a. Predictors: (Constant), Wint10MCRC, Wint10PRF

Coefficients <sup>a</sup>													
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		Collinearity Statistics		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	204.523	.977		209.435	.000	202.607	206.440					
	Wint10PRF	.127	.007	.571	19.302	.000	.114	.140	.647	.546	.490	.739	1.354
	Wint10MCRC	.338	.067	.149	5.029	.000	.206	.470	.440	.168	.128	.739	1.354

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 388**

*Grade 7 Full Sample Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.663 <sup>a</sup>	.440	.440	7.143	.440	1771.347	1	2253	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.859	.639		323.803	.000	205.606	208.112			
	Fall09PRF	.170	.004	.663	42.087	.000	.162	.178	.663	.663	.663

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 389**

*Grade 7 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.715 <sup>a</sup>	.512	.481	3.989	.512	16.773	1	16	.001

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	217.168	3.571		60.808	.000	209.597	224.738			
	Fall09PRF	.104	.025	.715	4.095	.001	.050	.157	.715	.715	.715

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.659 <sup>a</sup>	.434	.430	6.800	.434	91.414	1	119	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.456	2.733		76.275	.000	203.045	213.868			
	Fall09PRF	.160	.017	.659	9.561	.000	.127	.193	.659	.659	.659

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.638 <sup>a</sup>	.407	.394	7.876	.407	30.888	1	45	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.889	3.943		52.979	.000	200.947	216.830	
	Fall09PRF	.141	.025	.638	5.558	.000	.090	.192	.638	.638	.638

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.625 <sup>a</sup>	.390	.389	6.610	.390	371.467	1	581	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.800	1.137		181.875	.000	204.567	209.033			
	Fall09PRF	.148	.008	.625	19.273	.000	.133	.163	.625	.625	.625

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.665 <sup>a</sup>	.442	.442	6.987	.442	1095.431	1	1382	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.411	.830		250.949	.000	206.782	210.041			
	Fall09PRF	.169	.005	.665	33.097	.000	.159	.179	.665	.665	.665

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.606 <sup>a</sup>	.367	.358	6.026	.367	40.585	1	70	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	212.571	3.085		68.912	.000	206.419	218.723	
	Fall09PRF	.132	.021	.606	6.371	.000	.090	.173	.606	.606	.606

a. EthnicCd = Multi-ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 390**

*Grade 7 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.685 <sup>a</sup>	.469	.467	7.214	.469	279.725	1	317	.000

a. Predictors: (Constant), Fall09PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	201.654	1.434		140.583	.000	198.832	204.476			
	Fall09PRF	.195	.012	.685	16.725	.000	.172	.218	.685	.685	.685

a. Special Education Eligibility = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 391**

*Grade 7 Fall Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.457 <sup>a</sup>	.209	.203	6.318	.209	36.256	1	137	.000

a. Predictors: (Constant), Fall09PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.488	2.282		91.382	.000	203.977	213.000			
	Fall09PRF	.113	.019	.457	6.021	.000	.076	.150	.457	.457	.457

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 392**  
*Grade 7 Full Sample Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.683 <sup>a</sup>	.466	.466	6.942	.466	1981.461	1	2271	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.520	.571		365.284	.000	207.400	209.639			
	Wint10PRF	.143	.003	.683	44.514	.000	.136	.149	.683	.683	.683

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 393**  
*Grade 7 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.738 <sup>a</sup>	.545	.516	3.840	.545	19.130	1	16	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	216.272	3.708		58.325	.000	208.411	224.133	
	Wint10PRF	.102	.023	.738	4.374	.000	.053	.152	.738	.738	.738

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.716 <sup>a</sup>	.512	.508	6.344	.512	126.984	1	121	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	207.990	2.359		88.164	.000	203.319	212.660	
	Wint10PRF	.145	.013	.716	11.269	.000	.120	.170	.716	.716	.716

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.614 <sup>a</sup>	.377	.364	8.140	.377	27.845	1	46	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.748	3.867		54.501	.000	202.964	218.531			
	Wint10PRF	.122	.023	.614	5.277	.000	.076	.169	.614	.614	.614

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.643 <sup>a</sup>	.414	.413	6.516	.414	413.199	1	585	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.027	1.025		203.016	.000	206.015	210.040	
	Wint10PRF	.129	.006	.643	20.327	.000	.116	.141	.643	.643	.643

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.664 <sup>a</sup>	.441	.440	6.897	.441	1098.199	1	1393	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	210.877	.760		277.388	.000	209.385	212.368	
	Wint10PRF	.136	.004	.664	33.139	.000	.128	.144	.664	.664	.664

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.649 <sup>a</sup>	.421	.413	5.905	.421	48.758	1	67	.000

a. Predictors: (Constant), Wint10PRF

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	211.123	3.041		69.427	.000	205.053	217.192	
	Wint10PRF	.126	.018	.649	6.983	.000	.090	.162	.649	.649	.649

a. EthnicCd = Multi-ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 394**

*Grade 7 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.709 <sup>a</sup>	.503	.501	6.989	.503	301.691	1	298	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.815	1.339		151.519	.000	200.181	205.449			
	Wint10PRF	.171	.010	.709	17.369	.000	.152	.191	.709	.709	.709

a. Special Education Eligibility = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 395**

*Grade 7 Winter Passage Reading Fluency Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.536 <sup>a</sup>	.288	.282	6.041	.288	54.074	1	134	.000

a. Predictors: (Constant), Wint10PRF

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	207.588	1.989		104.393	.000	203.655	211.521			
	Wint10PRF	.115	.016	.536	7.353	.000	.084	.146	.536	.536	.536

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 396**

*Grade 7 Full Sample Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.650 <sup>a</sup>	.422	.422	7.209	.422	2329.622	1	3189	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.024	.544		383.917	.000	207.956	210.091			
	Fall09MCRC	1.841	.038	.650	48.266	.000	1.767	1.916	.650	.650	.650

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 397**

*Grade 7 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.600 <sup>a</sup>	.360	.339	5.446	.360	16.873	1	30	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	218.926	3.735		58.615	.000	211.298	226.554	
	Fall09MCRC	1.143	.278	.600	4.108	.000	.575	1.711	.600	.600	.600

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.627 <sup>a</sup>	.393	.389	7.657	.393	116.459	1	180	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Fall09MCRC	1.871	.173	.627	10.792	.000	1.529	2.214	.627	.627	.627

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.749 <sup>a</sup>	.561	.554	6.504	.561	84.341	1	66	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	202.611	3.093		65.513	.000	196.436	208.785			
	Fall09MCRC	2.096	.228	.749	9.184	.000	1.640	2.552	.749	.749	.749

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Hispanic**

Model	R Squares			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.649 <sup>a</sup>	.421	.420	6.601	.421	450.681	1	619	.000

a. Predictors: (Constant), Fall09MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	210.091	.944		222.570	.000	208.238	211.945	
	Fall09MCRC	1.551	.073	.649	21.229	.000	1.408	1.694	.649	.649	.649

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model	R			Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.610 <sup>a</sup>	.372	.372	7.256	.372	1254.013	1	2114	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.309	.747		281.470	.000	208.843	211.774			
	Fall09MCRC	1.804	.051	.610	35.412	.000	1.704	1.904	.610	.610	.610

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.739 <sup>a</sup>	.545	.542	5.958	.545	141.559	1	118	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	211.230	2.011		105.029	.000	207.247	215.212			
	Fall09MCRC	1.690	.142	.739	11.898	.000	1.409	1.971	.739	.739	.739

a. EthnicCd = Multi-ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 398**

*Grade 7 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.648 <sup>a</sup>	.419	.418	7.414	.419	304.663	1	422	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>												
Model		Unstandardized Coefficients			Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error		Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Fall09MCRC	1.688	.097	.648	17.455	.000	1.498	1.879	.648	.648	.648	

a. Special Education Eligibility = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 399**  
*Grade 7 Fall Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.491 <sup>a</sup>	.241	.236	6.487	.241	45.054	1	142	.000

a. Predictors: (Constant), Fall09MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	213.010	1.609		132.406	.000	209.830	216.190			
	Fall09MCRC	.987	.147	.491	6.712	.000	.696	1.278	.491	.491	.491

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 400**  
*Grade 7 Full Sample Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.606 <sup>a</sup>	.367	.367	7.432	.367	1181.551	1	2034	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	208.153	.754		276.157	.000	206.674	209.631			
	Wint10MCRC	1.738	.051	.606	34.374	.000	1.639	1.837	.606	.606	.606

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 401**

*Grade 7 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.272 <sup>a</sup>	.074	.008	5.748	.074	1.118	1	14	.308

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	220.002	11.731		18.753	.000	194.841	245.164			
	Wint10MCRC	.814	.770	.272	1.057	.308	-.837	2.465	.272	.272	.272

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.584 <sup>a</sup>	.340	.335	7.276	.340	60.920	1	118	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	206.113	3.650		56.471	.000	198.885	213.341	
	Wint10MCRC	1.895	.243	.584	7.805	.000	1.414	2.376	.584	.584	.584

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.710 <sup>a</sup>	.505	.493	7.207	.505	44.822	1	44	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	200.714	4.530		44.308	.000	191.584	209.843			
	Wint10MCRC	2.126	.318	.710	6.695	.000	1.486	2.766	.710	.710	.710

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.614 <sup>a</sup>	.377	.375	6.567	.377	320.065	1	530	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	210.555	1.048		200.999	.000	208.497	212.613			
	Wint10MCRC	1.358	.076	.614	17.890	.000	1.209	1.507	.614	.614	.614

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.558 <sup>a</sup>	.311	.310	7.521	.311	553.527	1	1226	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	208.849	1.162		179.803	.000	206.570	211.128	
	Wint10MCRC	1.776	.075	.558	23.527	.000	1.628	1.924	.558	.558	.558

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.656 <sup>a</sup>	.431	.421	5.857	.431	45.357	1	60	.000

a. Predictors: (Constant), Wint10MCRC

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	215.230	2.587		83.188	.000	210.055	220.406	
	Wint10MCRC	1.203	.179	.656	6.735	.000	.846	1.561	.656	.656	.656

a. EthnicCd = Multi-ethnic

b. Dependent Variable: OAKSRdgTot

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Validity

**Table 402**  
*Grade 7 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.643 <sup>a</sup>	.413	.411	7.731	.413	172.005	1	244	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	206.489	1.503		137.368	.000	203.529	209.450			
	Wint10MCRC	1.526	.116	.643	13.115	.000	1.297	1.755	.643	.643	.643

a. Special Education Eligibility = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 403**

*Grade 7 Winter Multiple Choice Reading Comprehension Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.586 <sup>a</sup>	.344	.338	5.804	.344	60.201	1	115	.000

a. Predictors: (Constant), Wint10MCRC

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	211.775	1.469		144.166	.000	208.865	214.684			
	Wint10MCRC	.982	.127	.586	7.759	.000	.731	1.233	.586	.586	.586

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 404**  
*Grade 7 Full Sample Fall Vocabulary Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.670 <sup>a</sup>	.449	.448	7.007	.449	1508.055	1	1853	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	214.705	.553		387.905	.000	213.619	215.790			
	Fall09Voc	1.395	.036	.670	38.834	.000	1.324	1.465	.670	.670	.670

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 405**  
*Grade 7 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Ethnicity*

**American Indian/Alaskan Native**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.587 <sup>a</sup>	.344	.323	5.511	.344	15.761	1	30	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	221.461	3.245		68.241	.000	214.833	228.088			
	Fall09Voc	.917	.231	.587	3.970	.000	.445	1.388	.587	.587	.587

a. EthnicCd = American Indian/Alaskan Native

b. Dependent Variable: OAKSRdgTot



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Validity

**Asian/Pacific Islander**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.587 <sup>a</sup>	.344	.336	8.456	.344	41.987	1	80	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	217.294	3.268		66.495	.000	210.790	223.797	
	Fall09Voc	1.299	.200	.587	6.480	.000	.900	1.698	.587	.587	.587

a. EthnicCd = Asian/Pacific Islander

b. Dependent Variable: OAKSRdgTot

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Validity

**Black**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.648 <sup>a</sup>	.420	.404	7.600	.420	26.082	1	36	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
	Fall09Voc	1.641	.321	.648	5.107	.000	.989	2.292	.648	.648	.648

a. EthnicCd = Black

b. Dependent Variable: OAKSRdgTot

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Validity

**Hispanic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.668 <sup>a</sup>	.446	.444	6.729	.446	205.256	1	255	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	212.965	1.335		159.533	.000	210.337	215.594			
	Fall09Voc	1.441	.101	.668	14.327	.000	1.243	1.639	.668	.668	.668

a. EthnicCd = Hispanic

b. Dependent Variable: OAKSRdgTot

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Validity

**White**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.660 <sup>a</sup>	.436	.435	6.994	.436	1030.803	1	1334	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	215.270	.673		319.994	.000	213.950	216.589			
	Fall09Voc	1.370	.043	.660	32.106	.000	1.286	1.453	.660	.660	.660

a. EthnicCd = White

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Multi-ethnic**

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.724 <sup>a</sup>	.524	.518	6.125	.524	82.571	1	75	.000

a. Predictors: (Constant), Fall09Voc

**Coefficients<sup>a,b</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
		1	(Constant)	216.226	2.291		94.389	.000	211.662	220.789	
	Fall09Voc	1.333	.147	.724	9.087	.000	1.041	1.626	.724	.724	.724

a. EthnicCd = Multi-ethnic

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 406**  
*Grade 7 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by Special Education Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.655 <sup>a</sup>	.429	.427	7.381	.429	222.794	1	297	.000

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	209.963	1.252		167.750	.000	207.500	212.426			
	Fall09Voc	1.468	.098	.655	14.926	.000	1.274	1.662	.655	.655	.655

a. Special Education Eligibility = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 407**

*Grade 7 Fall Vocabulary Scores Predicting Spring OAKS Reading Performance by English Language Learner Eligibility*

Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.334 <sup>a</sup>	.111	.095	6.721	.111	6.764	1	54	.012

a. Predictors: (Constant), Fall09Voc

Coefficients <sup>a,b</sup>											
Model		Unstandardized Coefficients		Standardized Coefficients			95.0% Confidence Interval for B		Correlations		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part
1	(Constant)	218.882	3.228		67.804	.000	212.410	225.354			
	Fall09Voc	.712	.274	.334	2.601	.012	.163	1.261	.334	.334	.334

a. ELL = Yes

b. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 408**  
*Grade 7 Fall Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary									
Model				Std. Error of the Estimate	Change Statistics				
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change
1	.800 <sup>a</sup>	.640	.638	5.843	.640	473.276	3	800	.000

a. Predictors: (Constant), Fall09Voc, Fall09MCRC, Fall09PRF

Coefficients <sup>a</sup>													
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			Collinearity Statistics		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	198.767	.984		202.038	.000	196.836	200.699					
	Fall09PRF	.082	.007	.323	12.105	.000	.069	.095	.663	.393	.257	.632	1.581
	Fall09MCRC	.871	.076	.303	11.467	.000	.722	1.020	.650	.376	.243	.644	1.553
	Fall09Voc	.726	.057	.341	12.823	.000	.615	.837	.670	.413	.272	.638	1.567

a. Dependent Variable: OAKSRdgTot



easyCBM Technical Adequacy  
Validity

**Table 409**  
*Grade 7 Winter Easy CBM Scores Predicting Spring OAKS Reading Performance*

Model Summary										
Model				Std. Error of the Estimate	Change Statistics					
	R	R Square	Adjusted R Square		R Square Change	F Change	df1	df2	Sig. F Change	
1	.745 <sup>a</sup>	.555	.554	6.485	.555	1245.337	2	1998	.000	

a. Predictors: (Constant), Wint10MCRC, Wint10PRF

Coefficients <sup>a</sup>													
Model		Unstandardized Coefficients		Standardized Coefficients		95.0% Confidence Interval for B		Correlations			Collinearity Statistics		
		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	200.881	.700		286.834	.000	199.507	202.254					
	Wint10PRF	.106	.004	.504	29.005	.000	.099	.114	.683	.544	.433	.737	1.357
	Wint10MCRC	1.024	.051	.347	19.979	.000	.924	1.125	.606	.408	.298	.737	1.357

a. Dependent Variable: OAKSRdgTot

easyCBM Technical Adequacy  
Validity

**Table 410**

*Grade 3 Student Characteristics for Predictive Validity of Slope Analyses*

	Oral Reading Fluency		Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent	Frequency	Percent
Ethnicity						
American Indian/ Alaskan Native	13	1.53	36	1.66	36	1.62
Asian/Pacific Islander	20	2.36	77	3.54	84	3.79
Black	13	1.53	40	1.84	42	1.90
Latino	162	19.08	332	15.26	334	15.07
White	578	68.08	1547	71.13	1577	71.16
Multi-Ethnic	19	2.24	60	2.76	60	2.71
Decline to report	18	2.12	40	1.84	45	2.03
Missing	26	3.06	43	1.98	38	1.71
Special Education	147	17.31	350	16.09	356	16.06
Missing	-	-	-	-	10	0.45
Female	413	49.00	1055	48.00	1069	48.00
ELL	14	1.65	93	4.28	96	4.33
FRL	497	58.54	1042	47.91	1041	46.98
Missing	68	8.01	194	8.92	236	10.65

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

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Validity

**Table 411**

*Grade 4 Student Characteristics for Predictive Validity of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	45	2.02	45	2.03
Asian/Pacific Islander	77	3.45	77	3.47
Black	45	2.02	46	2.07
Hispanic	361	16.17	355	15.98
White	1536	68.82	1531	68.93
Multi-Ethnic	94	4.21	93	4.19
Decline to report	34	1.52	35	1.58
Missing	40	1.79	39	1.76
Special Education	396	17.74	390	17.56
Missing	5	0.22	4	0.18
Female	1062	48.00	1059	48.00
ELL	92	4.12	89	4.01
FRL	1025	45.92	1020	45.93
Missing	297	13.31	288	12.97

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

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Validity

**Table 412**

*Grade 5 Student Characteristics for Predictive Validity of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	48	2.02	47	1.99
Asian/Pacific Islander	95	3.99	96	4.06
Black	49	2.06	47	1.99
Hispanic	385	16.18	376	15.89
White	1633	68.61	1631	68.91
Multi-Ethnic	89	3.74	90	3.80
Decline to report	43	1.81	44	1.86
Missing	38	1.60	36	1.52
Special Education	429	18.03	425	17.96
Missing	-	-	-	-
Female	1173	49.00	1170	49.00
ELL	98	4.12	93	3.93
FRL	1048	44.03	1046	44.19
Missing	331	13.91	322	13.60

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

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Validity

**Table 413**

*Grade 6 Student Characteristics for Predictive Validity of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	32	2.76	37	3.00
Asian/Pacific Islander	30	2.59	32	2.59
Black	24	2.07	25	2.02
Hispanic	144	12.42	159	12.87
White	754	65.06	811	65.67
Multi-Ethnic	47	4.06	50	4.05
Decline to report	128	11.04	121	9.80
Missing	-	-	-	-
Special Education	210	18.12	246	19.92
Missing	-	-	-	-
Female	592	51.00	631	51.00
ELL	49	4.23	48	3.89
FRL	534	46.07	586	47.45
Missing	288	24.85	278	22.51

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

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Validity

**Table 414**

*Grade 7 Student Characteristics for Predictive Validity of Slope Analyses*

	Passage Reading Fluency		Multiple Choice Reading Comprehension	
	Frequency	Percent	Frequency	Percent
Ethnicity				
American Indian/ Alaskan Native	18	0.80	18	0.81
Asian/Pacific Islander	121	5.41	122	5.52
Black	46	2.06	46	2.08
Hispanic	561	25.08	534	24.16
White	1371	61.29	1365	61.76
Multi-Ethnic	72	3.22	72	3.26
Decline to report	31	1.39	33	1.49
Missing	17	0.76	20	0.90
Special Education	301	13.46	314	14.21
Missing	649	29.01	660	29.86
Female	1086	49.00	1076	49.00
ELL	131	5.86	126	5.70
FRL	462	20.65	487	22.04
Missing	1460	65.27	1392	62.99

*Note.* ELL = receives English language learner services. FRL = receives free/reduced lunch.

**Table 415**  
**Grade 3 Predictive Validity of Word Reading Fluency (WRF) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	16.36	0.51	0.90	15.24	44.57	0.50	218
	Decline to identify	-	-	-	-	-	-	4
	Multi-Ethnic	-	-	-	-	-	-	3
	White	17.90	0.61	0.86	16.42	34.26	0.55	131
	Hispanic	14.80	1.05	0.89	16.60	43.84	0.38	52
	Black	-	-	-	-	-	-	4
	Asian	-	-	-	-	-	-	1
	American Indian/ Alaskan Native	-	-	-	-	-	-	6
2	All Students	38.15	0.43	0.53	33.44	12.85	0.07	218
	Decline to identify	-	-	-	-	-	-	3
	Multi-Ethnic	-	-	-	-	-	-	4
	White	38.31	0.54	0.62	30.59	16.68	0.04	146
	Hispanic	37.40	0.97	0.29	42.03	5.65	0.17	43
	Black	-	-	-	-	-	-	5
	Asian	-	-	-	-	-	-	8
	American Indian/ Alaskan Native	-	-	-	-	-	-	3
3	All Students	54.60	0.45	0.34	40.68	6.96	-0.07	206
	Decline to identify	-	-	-	-	-	-	4
	Multi-Ethnic	-	-	-	-	-	-	6
	White	54.71	0.49	0.33	37.27	6.02	-0.07	152
	Hispanic	53.82	1.26	0.42	49.01	11.81	-0.14	33
	Black	-	-	-	-	-	-	1
	Asian	-	-	-	-	-	-	5
	American Indian/ Alaskan Native	-	-	-	-	-	-	2
4	All Students	79.86	1.53	0.94	73.02	422.56	0.18	207
	Decline to identify	-	-	-	-	-	-	7
	Multi-Ethnic	-	-	-	-	-	-	6
	White	80.14	1.88	0.95	68.40	469.70	0.15	149
	Hispanic	77.92	3.80	0.95	62.50	438.83	0.18	34
	Black	-	-	-	-	-	-	3
	Asian	-	-	-	-	-	-	6
	American Indian/ Alaskan Native	-	-	-	-	-	-	2

easyCBM Technical Adequacy  
Validity

**Table 416****Grade 3 Predictive Validity of Passage Reading Fluency (PRF) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	42.106	0.761	0.762	165.871	179.301	0.577	549
	Decline to identify	--	--	--	--	--	--	9
	Multi-Ethnic	--	--	--	--	--	--	13
	White	44.182	0.93	0.699	184.083	144.023	0.609	344
	Hispanic	42.388	1.547	0.76	142.821	153.06	0.518	114
	Black	--	--	--	--	--	--	12
	Asian	--	--	--	--	--	--	9
	American Indian/ Alaskan Native	--	--	--	--	--	--	12
2	All Students	76.728	0.562	0.255	182.499	21	0.334	550
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	13
	White	77.242	0.684	0.25	190.774	21.479	0.341	386
	Hispanic	75.352	1.253	0.196	175.547	14.417	0.247	103
	Black	--	--	--	--	--	--	13
	Asian	--	--	--	--	--	--	15
	American Indian/ Alaskan Native	--	--	--	--	--	--	6
3	All Students	102.632	0.645	0.153	248.863	15.187	0.263	537
	Decline to identify	--	--	--	--	--	--	10
	Multi-Ethnic	--	--	--	--	--	--	18
	White	102.8	0.75	0.158	250.252	15.907	0.314	400
	Hispanic	101.61	1.672	0.119	205.258	9.462	0.048	65
	Black	--	--	--	--	--	--	8
	Asian	--	--	--	--	--	--	22
	American Indian/ Alaskan Native	--	--	--	--	--	--	10
4	All Students	145.57	0.999	0.72	312.118	276.339	0.364	539
	Decline to identify	--	--	--	--	--	--	10
	Multi-Ethnic	--	--	--	--	--	--	16
	White	--*	--*	--*	--*	--*	--*	417
	Hispanic	138.738	2.536	0.456	287.335	80.349	0.317	50
	Black	--	--	--	--	--	--	7
	Asian	145.542	4.349	0.745	320.817	317.395	0.177	31
	American Indian/ Alaskan Native	--	--	--	--	--	--	8

\*Singular convergence (error).



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Validity

**Table 417****Grade 3 Predictive Validity of Multiple Choice Reading Comprehension (MCRC) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	6	0.08	0	5.02	2.501	0.557	666
	Decline to identify	--	--	--	--	--	--	14
	Multi-Ethnic	--	--	--	--	--	--	15
	White	6.225	0.095	0	4.534	2.6	0.573	424
	Hispanic	5.826	0.164	0.022	4.781	1.4	0.527	152
	Black	--	--	--	--	--	--	11
	Asian	--	--	--	--	--	--	14
	American Indian/ Alaskan Native	--	--	--	--	--	--	10
2	All Students	9.419	0.076	0	3.619	2.377	0.578	517
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	17
	White	9.487	0.09	0	3.502	2.255	0.542	363
	Hispanic	9.165	0.216	0	4.115	2.099	0.525	74
	Black	--	--	--	--	--	--	17
	Asian	--	--	--	--	--	--	18
	American Indian/ Alaskan Native	--	--	--	--	--	--	11
3	All Students	12.154	0.079	0	4.722	0.81	0.575	634
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	15
	White	12.188	0.089	0	4.465	0.696	0.535	476
	Hispanic	12.001	0.233	0	5.402	1.058	0.651	83
	Black	--	--	--	--	--	--	7
	Asian	--	--	--	--	--	--	25
	American Indian/ Alaskan Native	--	--	--	--	--	--	11
4	All Students	14.835	0.109	0	5.63	0.137	0.458	399
	Decline to identify	--	--	--	--	--	--	9
	Multi-Ethnic	--	--	--	--	--	--	13
	White	14.816	0.121	0	5.521	0.043	0.419	314
	Hispanic	--	--	--	--	--	--	25
	Black	--	--	--	--	--	--	7
	Asian	--*	--*	--*	--*	--*	--*	27
	American Indian/ Alaskan Native	--	--	--	--	--	--	4

\*Singular convergence (error).

**Table 418*****Grade 4 Predictive Validity of Passage Reading Fluency (PRF) Slope***

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	70.643	0.831	0.872	131.488	300.411	0.54	595
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	27
	White	73.082	0.943	0.818	141.804	213.208	0.537	373
	Hispanic	70.917	1.69	0.867	115.15	253.181	0.543	123
	Black	--	--	--	--	--	--	15
	Asian	--	--	--	--	--	--	6
	American Indian/ Alaskan Native	--	--	--	--	--	--	12
2	All Students	100.822	0.422	0	115.15	0	0.278	543
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	19
	White	100.894	0.521	0	118.925	0	0.254	367
	Hispanic	100.386	0.929	0.188	96.205	7.433	0.278	103
	Black	--	--	--	--	--	--	12
	Asian	--	--	--	--	--	--	17
	American Indian/ Alaskan Native	--	--	--	--	--	--	13
3	All Students	121.078	0.425	0.213	104.931	9.545	0.274	541
	Decline to identify	--	--	--	--	--	--	9
	Multi-Ethnic	--	--	--	--	--	--	17
	White	121.007	0.517	0.23	105.119	10.564	0.256	369
	Hispanic	121.221	1.073	0.175	108.506	7.767	0.315	87
	Black	--	--	--	--	--	--	11
	Asian	--	--	--	--	--	--	29
	American Indian/ Alaskan Native	--	--	--	--	--	--	12
4	All Students	159.185	0.966	0.841	196.136	351.054	0.157	553
	Decline to identify	--	--	--	--	--	--	6
	Multi-Ethnic	161.104	4.444	0.815	261.084	393.906	0.110	31
	White	160.227	1.123	0.853	192.436	377.342	0.121	427
	Hispanic	154.437	2.766	0.823	152.427	238.649	0.234	48
	Black	--*	--*	--*	--*	--*	--*	7
	Asian	--	--	--	--	--	--	25
	American Indian/ Alaskan Native	--	--	--	--	--	--	8

\*Singular convergence (error).

**Table 419****Grade 4 Predictive Validity of Multiple Choice Reading Comprehension (MCRC) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	7.598	0.098	0.162	6.841	0.446	0.529	641
	Decline to identify	--	--	--	--	--	--	13
	Multi-Ethnic	--	--	--	--	--	--	28
	White	7.735	0.129	0	7.245	0	0.527	365
	Hispanic	7.449	0.188	0	6.687	0	0.491	159
	Black	--	--	--	--	--	--	19
	Asian	--	--	--	--	--	--	20
	American Indian/ Alaskan Native	--	--	--	--	--	--	11
2	All Students	11.263	0.082	0	3.729	0	0.544	472
	Decline to identify	--*	--*	--*	--*	--*	--*	5
	Multi-Ethnic	--	--	--	--	--	--	19
	White	11.299	0.098	0	3.512	0	0.515	307
	Hispanic	10.932	0.173	0	3.423	0	0.517	98
	Black	--	--	--	--	--	--	6
	Asian	--	--	--	--	--	--	17
	American Indian/ Alaskan Native	--	--	--	--	--	--	15
3	All Students	14.647	0.058	0	2.826	0	0.477	696
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	30
	White	14.656	0.067	0	2.834	0	0.485	522
	Hispanic	14.585	0.195	0	3.144	0	0.381	70
	Black	--	--	--	--	--	--	17
	Asian	--	--	--	--	--	--	25
	American Indian/ Alaskan Native	--	--	--	--	--	--	14
4	All Students	17.684	0.063	0	1.974	0	0.477	412
	Decline to identify	--	--	--	--	--	--	6
	Multi-Ethnic	--	--	--	--	--	--	16
	White	17.669	0.07	0	1.972	0	0.493	337
	Hispanic	--	--	--	--	--	--	28
	Black	--	--	--	--	--	--	4
	Asian	--	--	--	--	--	--	15
	American Indian/ Alaskan Native	--	--	--	--	--	--	5

\*Singular convergence (error).

**Table 420*****Grade 5 Predictive Validity of Passage Reading Fluency (PRF) Slope***

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	93.646	0.957	0.899	141.484	429.11	0.47	599
	Decline to identify	--	--	--	--	--	--	9
	Multi-Ethnic	--	--	--	--	--	--	15
	White	96.703	1.024	0.854	136.66	268.722	0.481	365
	Hispanic	96.662	1.853	0.821	170.912	277.908	0.449	124
	Black	--	--	--	--	--	--	25
	Asian	--	--	--	--	--	--	18
	American Indian/ Alaskan Native	--	--	--	--	--	--	14
2	All Students	133.371	0.423	0.299	113.364	16.396	0.237	624
	Decline to identify	--	--	--	--	--	--	10
	Multi-Ethnic	--	--	--	--	--	--	22
	White	133.342	0.521	0.274	117.429	14.992	0.277	418
	Hispanic	133.36	0.947	0.33	108.382	18.515	0.205	125
	Black	--	--	--	--	--	--	7
	Asian	--	--	--	--	--	--	18
	American Indian/ Alaskan Native	--	--	--	--	--	--	18
3	All Students	158.925	0.454	0.389	110.66	23.911	0.223	568
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	21
	White	159.332	0.545	0.417	112.352	27.086	0.271	408
	Hispanic	157.711	0.987	0.234	84.912	9.089	0.054	84
	Black	--	--	--	--	--	--	13
	Asian	--*	--*	--*	--*	--*	--*	<del>24</del>
	American Indian/ Alaskan Native	--	--	--	--	--	--	9
4	All Students	200.977	0.908	0.802	218.12	302.899	0.316	589
	Decline to identify	--	--	--	--	--	--	13
	Multi-Ethnic	188.694	2.854	0.64	177.261	104.856	0.189	31
	White	202.246	1.069	0.808	221.291	319.668	0.299	442
	Hispanic	--	--	--	--	--	--	4
	Black	200.331	3.026	0.778	231.943	280.321	0.395	52
	Asian	198.851	3.281	0.749	219.596	223.498	0.505	38
	American Indian/ Alaskan Native	--	--	--	--	--	--	7

\*Singular convergence (error).

**Table 421****Grade 5 Predictive Validity of Multiple Choice Reading Comprehension (MCRC) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	10.213	0.109	0.441	7.224	1.945	0.611	682
	Decline to identify	--	--	--	--	--	--	16
	Multi-Ethnic	--	--	--	--	--	--	19
	White	10.289	0.137	0.385	6.907	1.459	0.618	388
	Hispanic	--*	--*	--*	--*	--*	--*	160
	Black	--	--	--	--	--	--	24
	Asian	--	--	--	--	--	--	28
	American Indian/ Alaskan Native	--	--	--	--	--	--	19
2	All Students	14.233	0.075	0	3.502	0	0.52	527
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	20
	White	14.235	0.092	0	3.751	0	0.486	369
	Hispanic	14.198	0.182	0	3.228	0	0.631	83
	Black	--	--	--	--	--	--	12
	Asian	--	--	--	--	--	--	19
	American Indian/ Alaskan Native	--	--	--	--	--	--	11
3	All Students	--*	--*	--*	--*	--*	--*	700
	Decline to identify	--	--	--	--	--	--	9
	Multi-Ethnic	--	--	--	--	--	--	36
	White	16.09	0.064	0	2.469	0	0.471	505
	Hispanic	15.9	0.145	0	2.505	0	0.383	101
	Black	--	--	--	--	--	--	8
	Asian	--	--	--	--	--	--	25
	American Indian/ Alaskan Native	--	--	--	--	--	--	12
4	All Students	17.931	0.055	0	1.674	0	0.446	458
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	15
	White	17.939	0.06	0	1.568	0	0.439	369
	Hispanic	17.744	0.222	0	1.876	0	0.531	32
	Black	--	--	--	--	--	--	3
	Asian	--	--	--	--	--	--	24
	American Indian/ Alaskan Native	--	--	--	--	--	--	5

\*Singular convergence (error).

**Table 422****Grade 6 Predictive Validity of Passage Reading Fluency (PRF) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	93.288	1.151	0.844	142.582	268.203	0.514	295
	Decline to identify	--	--	--	--	--	--	44
	Multi-Ethnic	--	--	--	--	--	--	7
	White	94.389	1.431	0.801	153.063	210.547	0.542	166
	Hispanic	91.501	2.437	0.886	85.333	236.016	0.533	52
	Black	--	--	--	--	--	--	8
	Asian	--	--	--	--	--	--	2
	American Indian/ Alaskan Native	--	--	--	--	--	--	16
2	All Students	129.644	0.574	0.164	105.957	7.014	0.271	295
	Decline to identify	--	--	--	--	--	--	29
	Multi-Ethnic	--	--	--	--	--	--	11
	White	129.572	0.714	0	119.938	0	0.217	199
	Hispanic	129.851	1.407	0.266	84.587	10.327	0.497	41
	Black	--	--	--	--	--	--	4
	Asian	--	--	--	--	--	--	5
	American Indian/ Alaskan Native	--	--	--	--	--	--	6
3	All Students	151.059	0.637	0.221	124.713	11.924	0.27	290
	Decline to identify	--	--	--	--	--	--	30
	Multi-Ethnic	--	--	--	--	--	--	14
	White	151.116	0.761	0.220	112.619	10.701	0.210	182
	Hispanic	150.289	1.741	0.314	104.548	15.972	0.523	34
	Black	--	--	--	--	--	--	7
	Asian	--	--	--	--	--	--	17
	American Indian/ Alaskan Native	--	--	--	--	--	--	6
4	All Students	192.65	1.419	0.741	309.105	300.142	0.348	279
	Decline to identify	--	--	--	--	--	--	25
	Multi-Ethnic	--	--	--	--	--	--	15
	White	192.775	1.612	0.745	293.328	290.763	0.354	207
	Hispanic	--	--	--	--	--	--	17
	Black	--	--	--	--	--	--	5
	Asian	--	--	--	--	--	--	6
	American Indian/ Alaskan Native	--	--	--	--	--	--	4

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Validity

**Table 423*****Grade 6 Predictive Validity of Multiple Choice Reading Comprehension (MCRC) Slope***

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	9.496	0.151	0.47	6.261	2.069	0.600	333
	Decline to identify	--	--	--	--	--	--	54
	Multi-Ethnic	--	--	--	--	--	--	12
	White	9.472	0.204	0.469	6.198	2.038	0.615	180
	Hispanic	9.815	0.292	0.313	5.373	0.89	0.651	65
	Black	--	--	--	--	--	--	8
	Asian	--	--	--	--	--	--	5
	American Indian / Alaskan Native	--	--	--	--	--	--	9
2	All Students	14.021	0.07	0	2.402	0	0.579	430
	Decline to identify	--	--	--	--	--	--	38
	Multi-Ethnic	--	--	--	--	--	--	15
	White	14.113	0.082	0	2.211	0	0.603	288
	Hispanic	13.96	0.227	0	3.017	0	0.364	51
	Black	--	--	--	--	--	--	8
	Asian	--*	--*	--*	--*	--*	--*	12
	American Indian /Alaskan Native	--	--	--	--	--	--	18
3	All Students	15.75	0.105	0	2.398	0	0.462	191
	Decline to identify	--	--	--	--	--	--	12
	Multi-Ethnic	--	--	--	--	--	--	8
	White	15.754	0.129	0	2.671	0	0.489	140
	Hispanic	--	--	--	--	--	--	21
	Black	--	--	--	--	--	--	1
	Asian	--	--	--	--	--	--	3
	American Indian /Alaskan Native	--	--	--	--	--	--	6
4	All Students	17.123	0.085	0	2.353	0	0.416	281
	Decline to identify	--	--	--	--	--	--	17
	Multi-Ethnic	--	--	--	--	--	--	15
	White	17.115	0.102	0	2.426	0	0.367	203
	Hispanic	--	--	--	--	--	--	22
	Black	--	--	--	--	--	--	8
	Asian	--*	--*	--*	--*	--*	--*	12
	American Indian /Alaskan Native	--	--	--	--	--	--	4

\*Singular convergence (error).

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Validity

**Table 424**  
**Grade 7 Predictive Validity of Passage Reading Fluency Measures (PRF) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	111.201	0.899	0.818	190.161	296.093	0.582	565
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	28
	White	113.938	1.186	0.737	221.644	212.429	0.594	284
	Hispanic	109.586	1.483	0.857	139.817	290.991	0.544	186
	Black	--	--	--	--	--	--	15
	Asian	--	--	--	--	--	--	25
	American Indian /Alaskan Native	--	--	--	--	--	--	7
2	All Students	145.434	0.555	0.248	181.119	20.24	0.374	559
	Decline to identify	--	--	--	--	--	--	4
	Multi-Ethnic	--	--	--	--	--	--	19
	White	146.337	0.766	0.24	210.907	22.646	0.376	340
	Hispanic	143.622	0.93	0.286	134.921	18.311	0.292	152
	Black	--	--	--	--	--	--	12
	Asian	--	--	--	--	--	--	23
	American Indian /Alaskan Native	--	--	--	--	--	--	5
3	All Students	170.854	0.628	0.326	224.027	36.704	0.318	569
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	11
	White	171.881	0.819	0.263	248.416	29.887	0.286	354
	Hispanic	168.404	1.213	0.452	182.551	51.408	0.327	139
	Black	--	--	--	--	--	--	8
	Asian	170.19	1.981	0.315	167.064	25.573	0.251	42
	American Indian /Alaskan Native	--	--	--	--	--	--	4
4	All Students	209.802	0.921	0.613	336.361	180.276	0.384	544
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	14
	White	210.302	1.086	0.61	339.018	179.687	0.388	393
	Hispanic	207.875	2.078	0.598	271.262	135.86	0.273	84
	Black	--	--	--	--	--	--	11
	Asian	213.602	4.012	0.616	364.535	195.266	0.487	31
	American Indian /Alaskan Native	--	--	--	--	--	--	2



**Table 425**  
**Grade 7 Predictive Validity of Multiple Choice Reading Comprehension (MCRC) Slope**

Quartile	Group	Fixed effect point estimate of intercept	SE	Reliability of intercept	Level-1 residual variance	Random effect variance estimate of intercept	Predictive validity coefficient	N
1	All Students	9.478	0.117	0.289	7.885	1.15	0.634	576
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	26
	White	9.916	0.165	0.186	7.69	0.64	0.616	267
	Hispanic	9.023	0.199	0.315	8.24	1.327	0.599	209
	Black	--	--	--	--	--	--	17
	Asian	9.811	0.46	0	7.512	0	0.576	30
	American Indian /Alaskan Native	--	--	--	--	--	--	10
2	All Students	13.687	0.073	0	4.2	0	0.536	664
	Decline to identify	--	--	--	--	--	--	11
	Multi-Ethnic	--	--	--	--	--	--	20
	White	13.725	0.096	0	4.231	0	0.592	396
	Hispanic	13.623	0.141	0	4.105	0	0.392	174
	Black	--	--	--	--	--	--	14
	Asian	13.74	0.274	0	3.676	0	0.421	41
	American Indian /Alaskan Native	--*	--*	--*	--*	--*	--*	4
3	All Students	15.878	0.067	0	2.695	0	0.498	517
	Decline to identify	--	--	--	--	--	--	6
	Multi-Ethnic	--	--	--	--	--	--	15
	White	15.951	0.08	0	2.699	0	0.514	361
	Hispanic	15.756	0.164	0	3.044	0	0.514	95
	Black	--	--	--	--	--	--	8
	Asian	--	--	--	--	--	--	24
	American Indian /Alaskan Native	--	--	--	--	--	--	3
4	All Students	17.859	0.058	0	1.796	0	0.461	453
	Decline to identify	--	--	--	--	--	--	8
	Multi-Ethnic	--	--	--	--	--	--	11
	White	17.886	0.068	0	1.83	0	0.463	341
	Hispanic	17.731	0.169	0	1.894	0	0.524	56
	Black	--	--	--	--	--	--	7
	Asian	--	--	--	--	--	--	27
	American Indian /Alaskan Native	--	--	--	--	--	--	1

\*Singular convergence (error).

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Validity

**Table 426*****Grade 3 Descriptive Scale Statistics for Easy CBM Confirmatory Factor Analysis***

	N	Minimum	Maximum	Mean	Std. Deviation
Fall09WRF	849	1	193	46.17	25.995
Fall09PRF	2209	0	244	85.79	40.251
Fall09MCRC	2313	0	20	10.44	4.143
Fall09Voc	2060	0	25	16.77	5.281
Wint10WRF	966	0	123	53.80	24.221
Wint10PRF	2296	0	308	117.01	45.967
Wint10MCRC	2459	0	18	10.16	3.557
Spr10WRF	988	5	237	67.13	29.710
Spr10PRF	2216	3	266	117.54	43.648
Spr10MCRC	2372	0	20	13.52	4.381
Spr10Voc	2142	0	25	21.55	4.162
Valid N (listwise)	754				

**Table 427*****Grade 4 Descriptive Scale Statistics for Easy CBM Confirmatory Factor Analysis***

	N	Minimum	Maximum	Mean	Std. Deviation
Fall09PRF	2394	0	301	146.87	43.228
Fall09MCRC	2469	0	20	13.45	3.751
Fall09Voc	2184	0	25	18.41	4.813
Spr10PRF	2440	7	330	167.41	41.563
Spr10MCRC	2452	0	20	14.18	3.325
Spr10Voc	2249	0	25	20.33	3.964
Valid N (listwise)	2021				

**Table 428*****Grade 5 Descriptive Scale Statistics for Easy CBM Confirmatory Factor Analysis***

	N	Minimum	Maximum	Mean	Std. Deviation
Fall09PRF	2394	0	301	146.87	43.228
Fall09MCRC	2469	0	20	13.45	3.751
Fall09Voc	2184	0	25	18.41	4.813
Spr10PRF	2440	7	330	167.41	41.563
Spr10MCRC	2452	0	20	14.18	3.325
Spr10Voc	2249	0	25	20.33	3.964
Valid N (listwise)	2021				

**Table 429*****Grade 6 Descriptive Scale Statistics for Easy CBM Confirmatory Factor Analysis***

	N	Minimum	Maximum	Mean	Std. Deviation
Fall09MCRC	2351	0	20	14.08	3.624
Fall09PRF	1160	9	305	140.19	40.320
Fall09Voc	2076	0	25	15.14	4.544
Spr10MCRC	2262	0	20	14.55	3.421
Spr10PRF	1191	1	332	162.31	50.094
Spr10Voc	2001	0	25	16.27	4.475
Valid N (listwise)	843				

**Table 430***Grade 7 Descriptive Scale Statistics for Easy CBM Confirmatory Factor Analysis*

	N	Minimum	Maximum	Mean	Std. Deviation
Fall09MCRC	3245	0	20	13.82	3.384
Fall09PRF	2294	18	290	153.13	38.210
Fall09Voc	1893	0	25	14.65	4.559
Spr10MCRC	3304	0	20	12.51	2.929
Spr10PRF	2431	0	297	159.79	43.333
Spr10Voc	1853	0	25	15.88	4.929
Valid N (listwise)	684				

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**Table 431***Grade 3-7 Confirmatory Factor Analysis Correlations among EasyCBM Measures*

	MCRC	PRF	Vocabulary
3 <sup>rd</sup> Grade, Fall			
WRF		.759	.917
MCRC	---		.789
PRF		---	.723
3 <sup>rd</sup> Grade, Spring			
WRF		.558	.882
MCRC	---		.703
PRF		---	.695
4 <sup>th</sup> Grade, Fall			
MCRC	---		.764
PRF		---	.709
4 <sup>th</sup> Grade, Spring			
MCRC	---		.626
PRF		---	.600
5 <sup>th</sup> Grade, Fall			
MCRC	---		.732
PRF		---	.646
5 <sup>th</sup> Grade, Spring			
MCRC	---		.643
PRF		---	.556
6 <sup>th</sup> Grade, Fall			
MCRC	---		.656
PRF		---	.589
6 <sup>th</sup> Grade, Spring			
MCRC	---		.650
PRF		---	.568
7 <sup>th</sup> Grade, Fall			
MCRC	---		.652
PRF		---	.539
7 <sup>th</sup> Grade, Spring			
MCRC	---		.615
PRF		---	.378

**Table 432*****Grade 3 Confirmatory Factor Analysis Fit Indices for 3- Factor Model: Word Reading Fluency, Passage Reading Fluency, Reading Comprehension, & Vocabulary Easy CBM Measures***

	<i>n</i>	CFI	TLI	RMSEA
Fall	740	0.993	0.996	0.021
Spring	873	0.992	0.995	0.024

*Note.* CFI = Comparative Fit Index. TLI = Tucker Lewis Index. RMSEA = Root Mean Square Error of Approximation.

**Table 433*****Grade 4 Confirmatory Factor Analysis Fit Indices for 3- Factor Model: Passage Reading Fluency, Reading Comprehension, & Vocabulary Easy CBM Measures***

	<i>n</i>	CFI	TLI	RMSEA
Fall	1962	0.973	0.985	0.023
Spring	2119	0.972	0.985	0.025

*Note.* CFI = Comparative Fit Index. TLI = Tucker Lewis Index. RMSEA = Root Mean Square Error of Approximation.

**Table 444*****Grade 5 Confirmatory Factor Analysis Fit Indices for 3- Factor Model: Passage Reading Fluency, Reading Comprehension, & Vocabulary Easy CBM Measures***

	<i>n</i>	CFI	TLI	RMSEA
Fall	1962	0.973	0.985	0.023
Spring	2119	0.973	0.985	0.025

*Note.* CFI = Comparative Fit Index. TLI = Tucker Lewis Index. RMSEA = Root Mean Square Error of Approximation.

**Table 445*****Grade 6 Confirmatory Factor Analysis Fit Indices for 3- Factor Model: Passage Reading Fluency, Reading Comprehension, & Vocabulary Easy CBM Measures***

	<i>n</i>	CFI	TLI	RMSEA
Fall	2366	0.952	0.969	0.025
Spring	2271	0.964	0.977	0.023

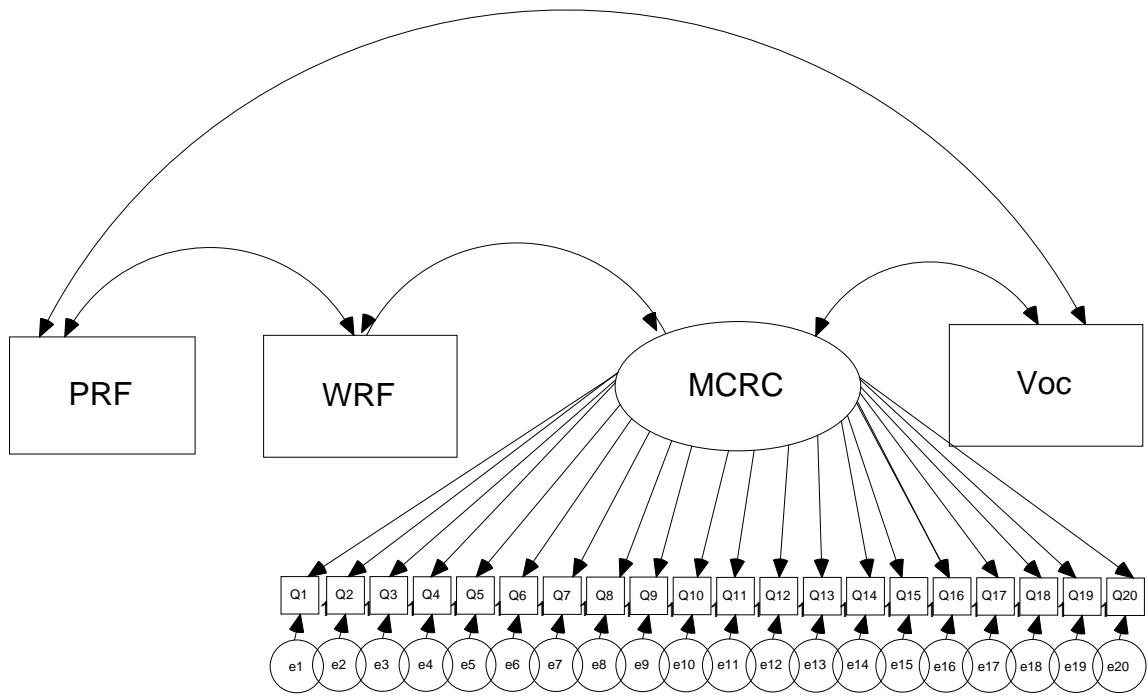
*Note.* CFI = Comparative Fit Index. TLI = Tucker Lewis Index. RMSEA = Root Mean Square Error of Approximation.

**Table 446*****Grade 7 Confirmatory Factor Analysis Fit Indices for 3- Factor Model: Passage Reading Fluency, Reading Comprehension, & Vocabulary Easy CBM Measures***

	<i>n</i>	CFI	TLI	RMSEA
Fall	3406	0.968	0.976	0.020
Spring	3493	0.955	0.966	0.022

*Note.* CFI = Comparative Fit Index. TLI = Tucker Lewis Index. RMSEA = Root Mean Square Error of Approximation.

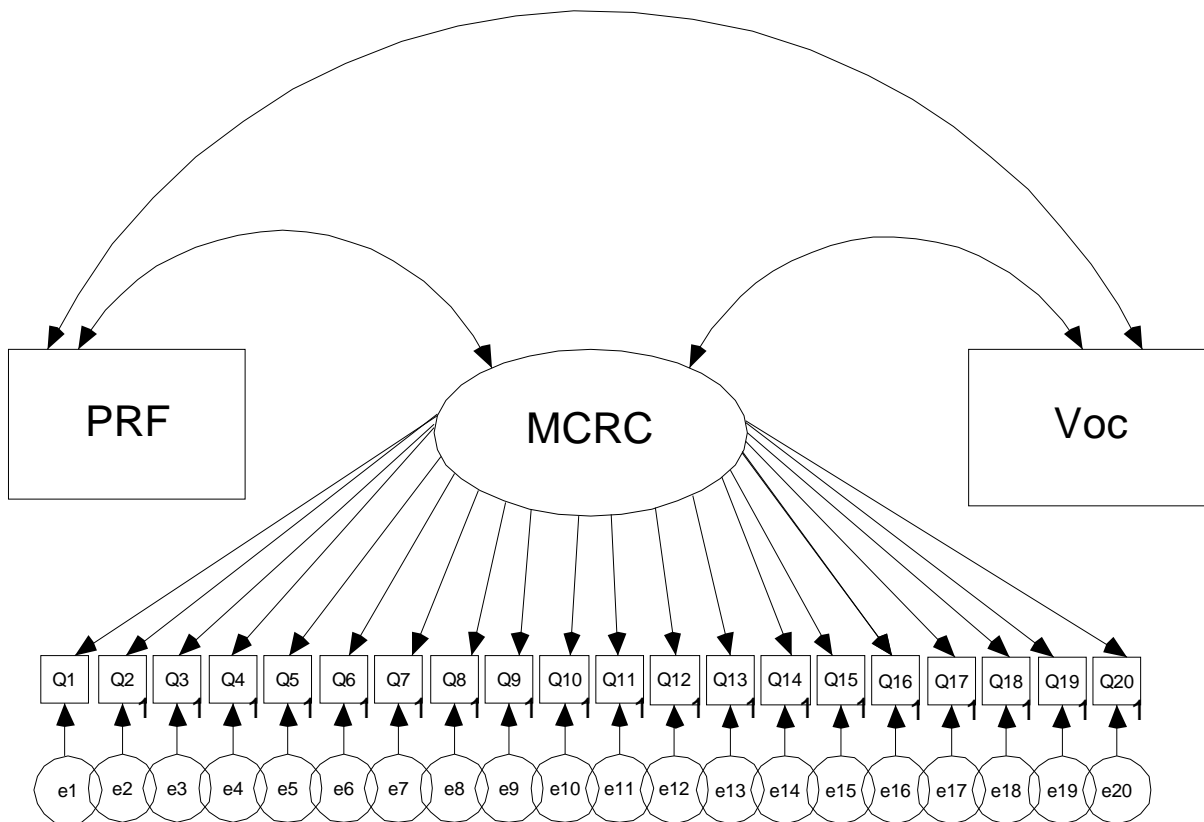
**Figure 1. Hypothesized 3-Factor Model of Easy CBM Reading Measurement at Grade 3**



*Note.* PRF= Passage Reading Fluency; WRF= Word Reading Fluency; MCRC = Multiple Choice Reading Comprehension; Voc= Vocabulary; Q =Question; e = Error.

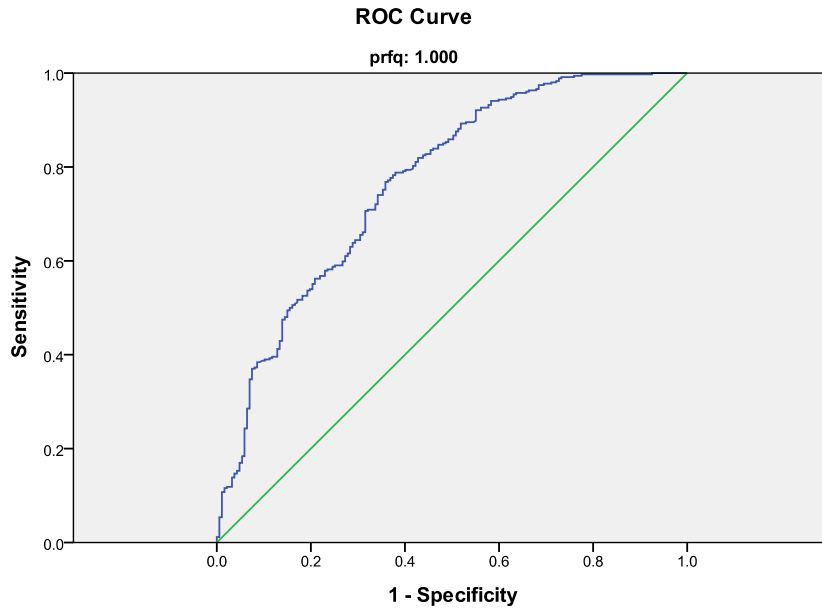


**Figure 2. Hypothesized 3-Factor Model of Easy CBM Reading Measurement at Grades 4-7**

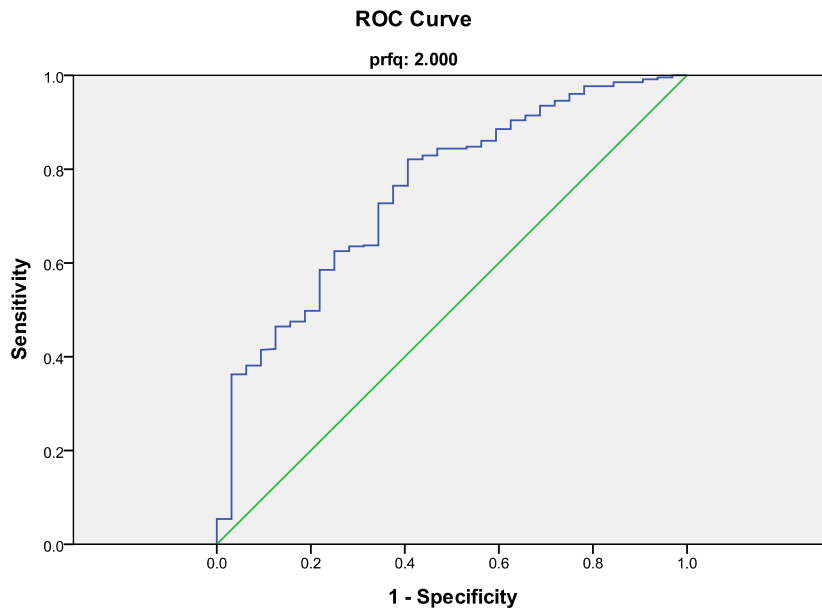


*Note.* PRF= Passage Reading Fluency; WRF= Word Reading Fluency; MCRC = Multiple Choice Reading Comprehension; Voc= Vocabulary; Q =Question; e = Error.

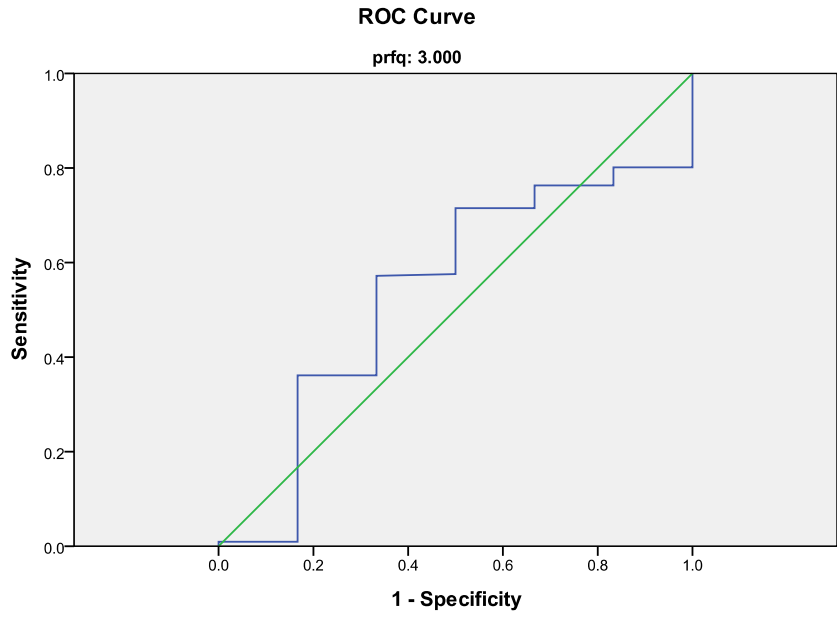
**Figure 3 . Grade 3 ROC Curve Analysis Results for Passage Reading Fluency**



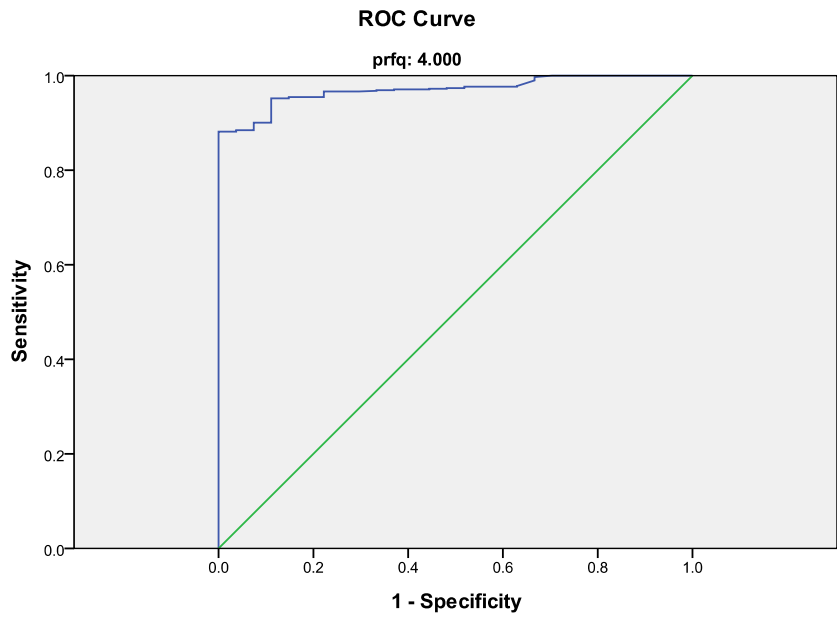
Diagonal segments are produced by ties.



Diagonal segments are produced by ties.

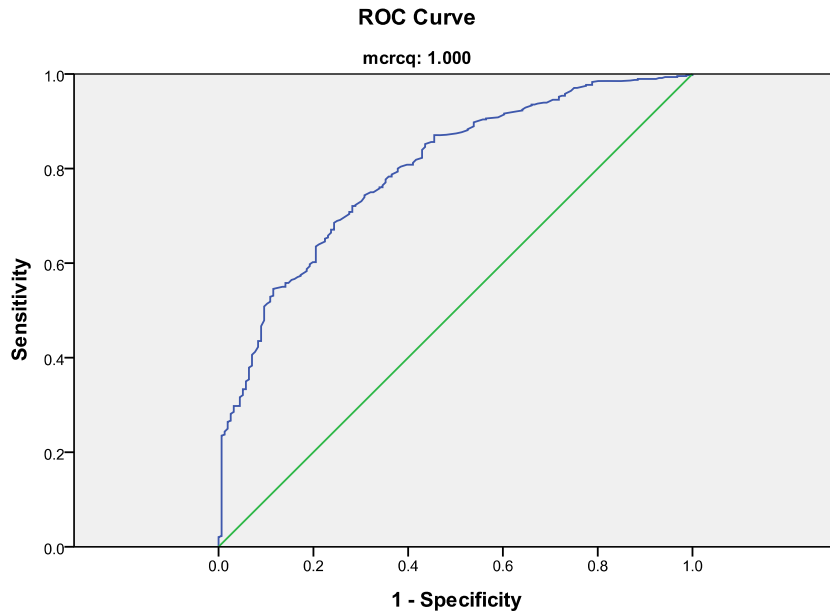


Diagonal segments are produced by ties.

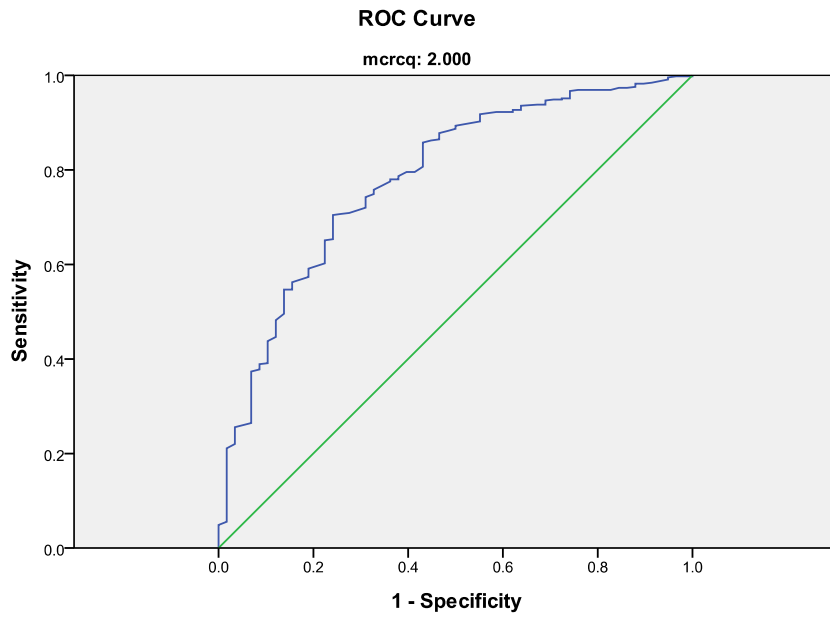


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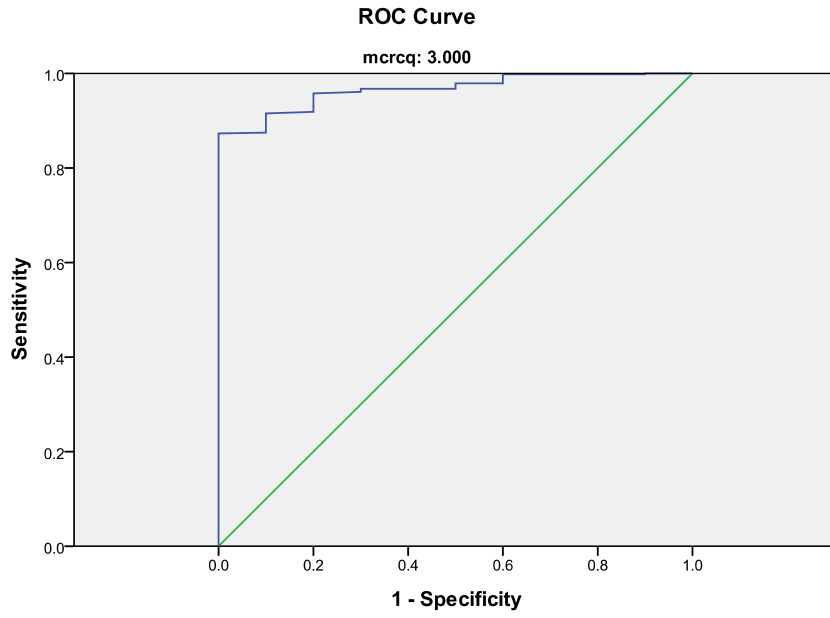
**Figure 4 . Grade 3 ROC Curve Analysis Results for Multiple Choice Reading Comprehension**



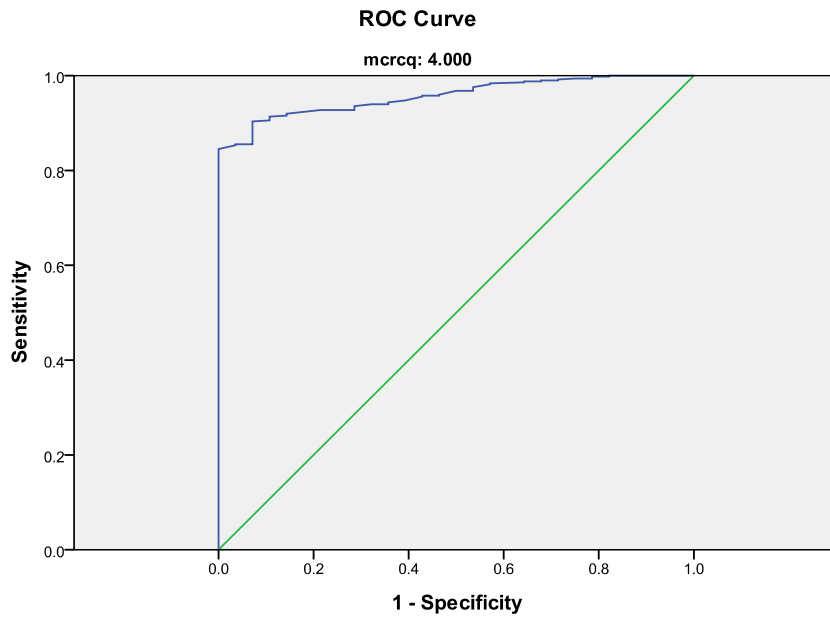
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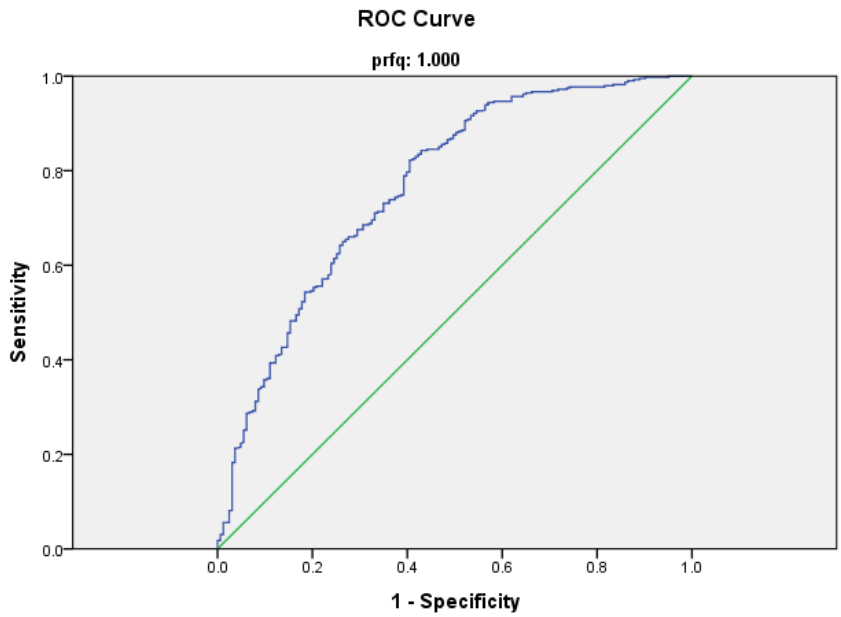
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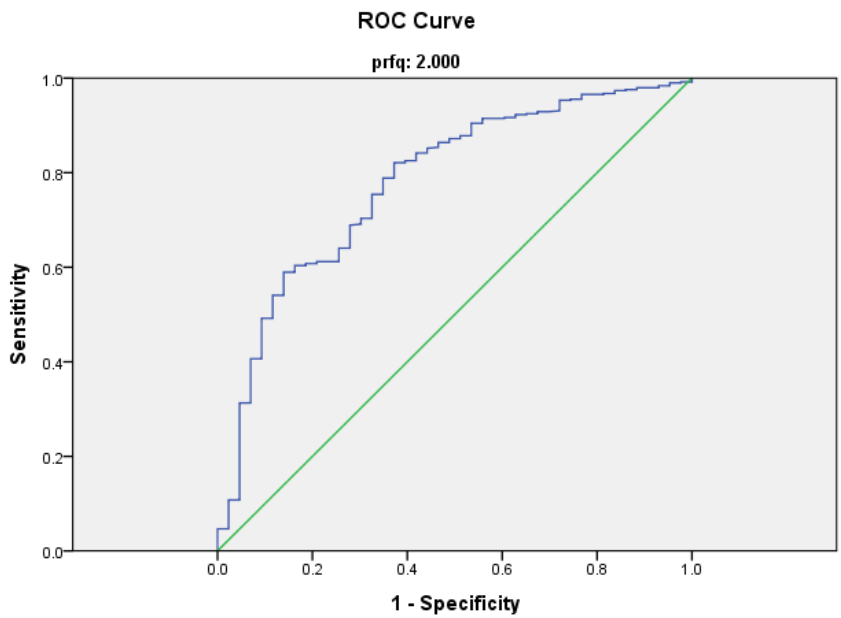
Diagonal segments are produced by ties.

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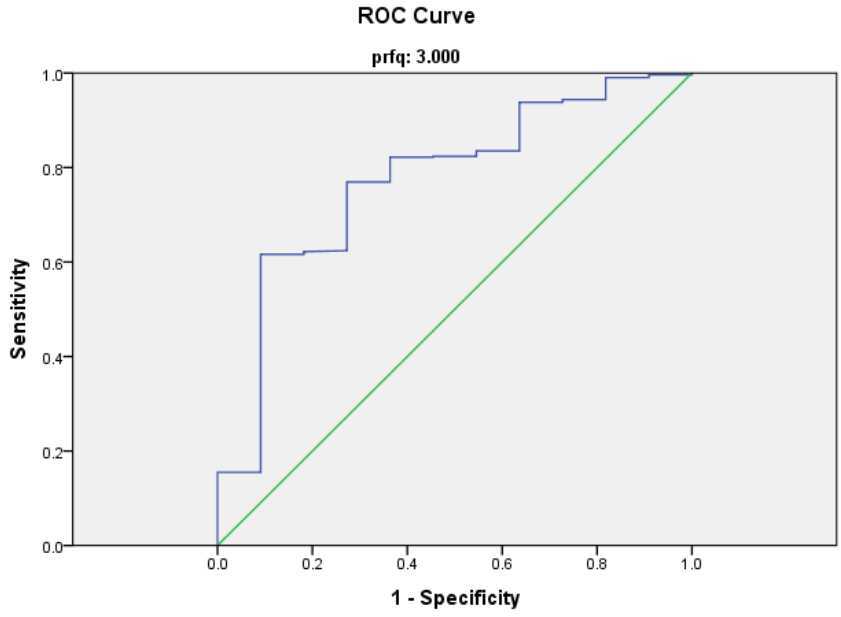
**Figure 5 . Grade 4 ROC Curve Analysis Results for Passage Reading Fluency**



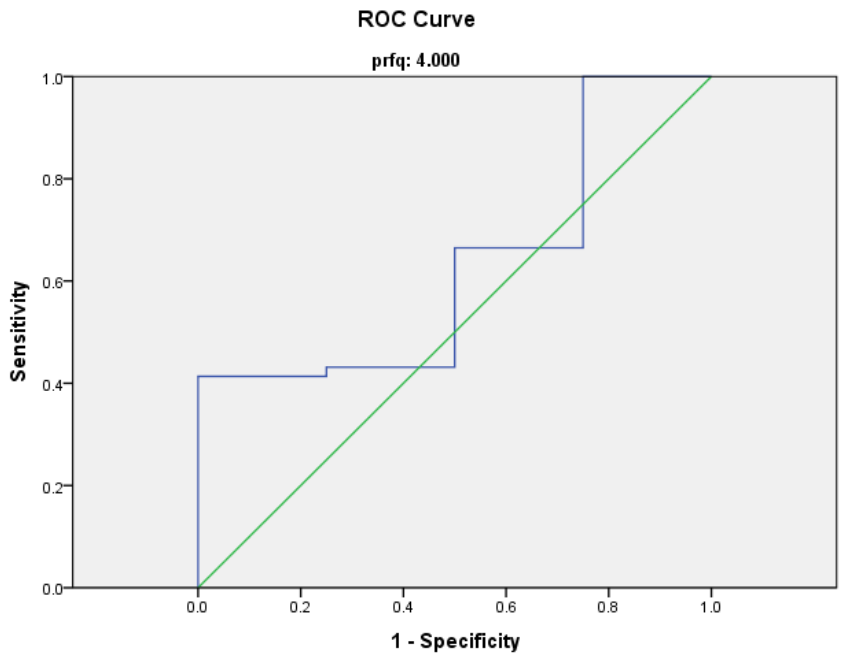
Diagonal segments are produced by ties.



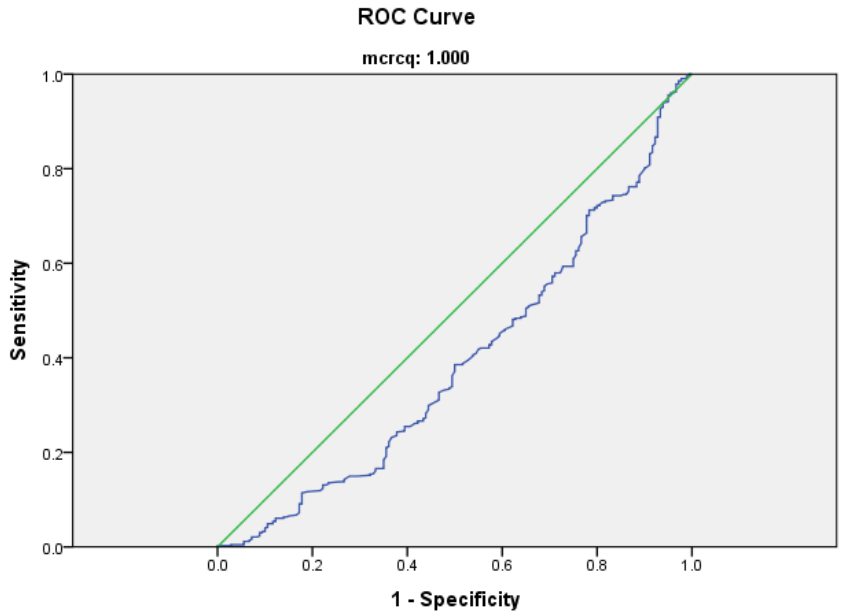
Diagonal segments are produced by ties.



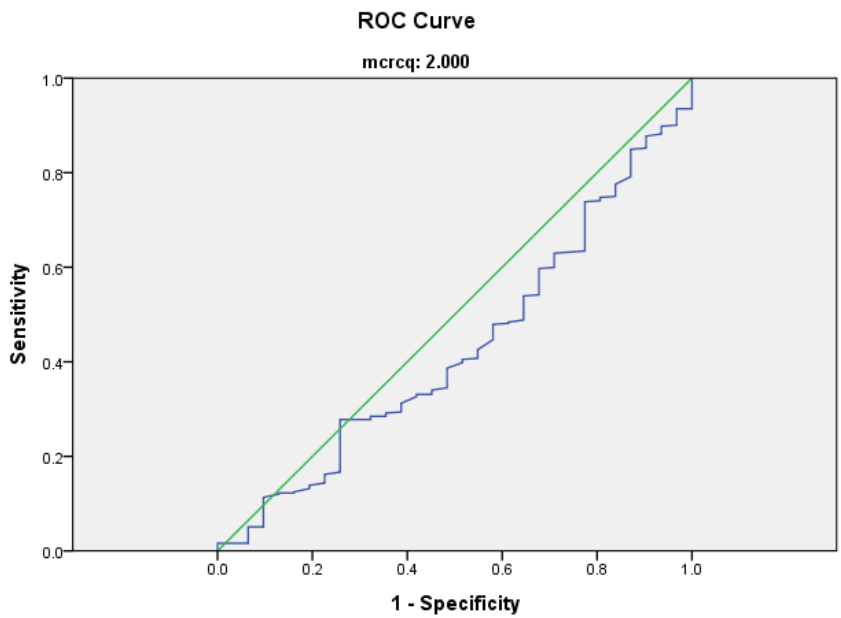
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**Figure 6 . Grade 4 ROC Curve Analysis Results for Multiple Choice Reading Comprehension**

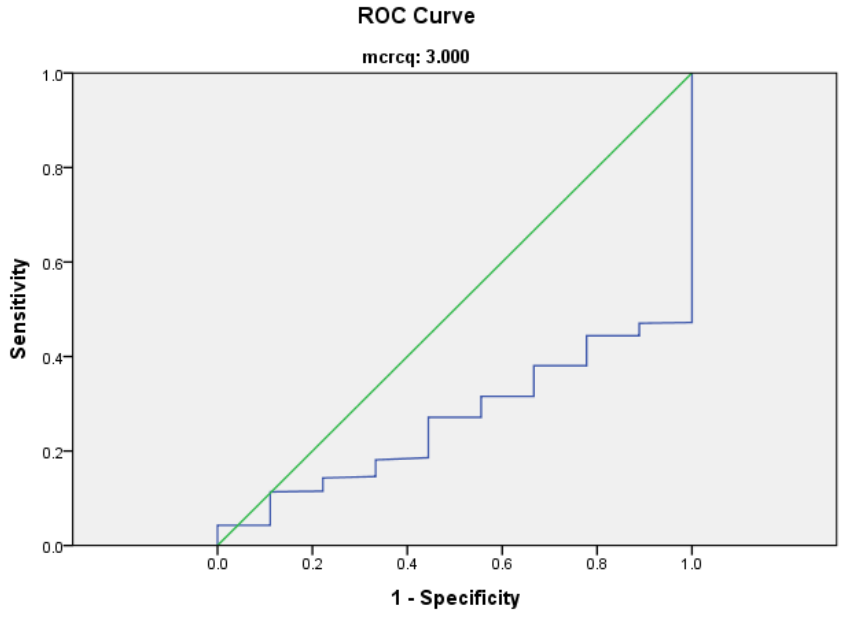


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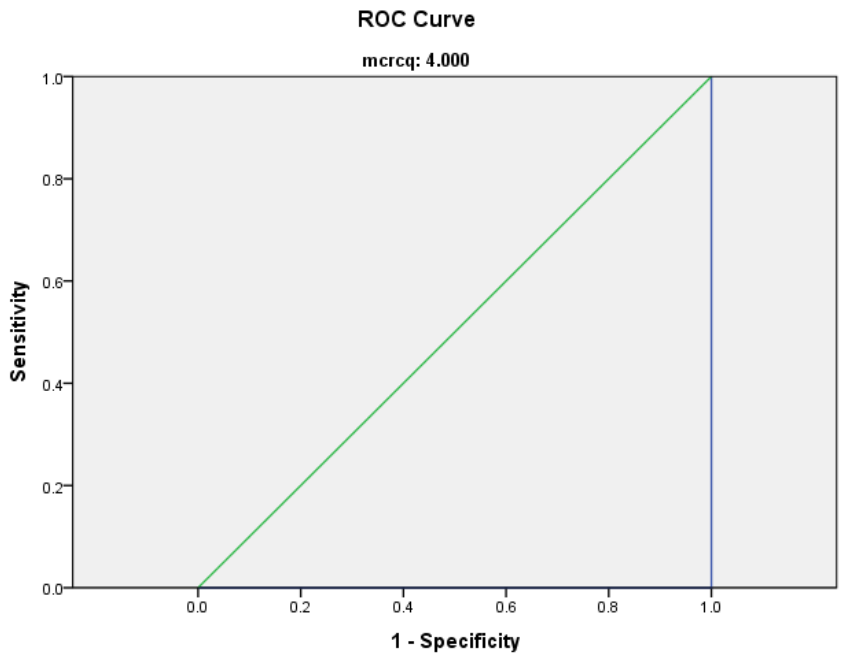


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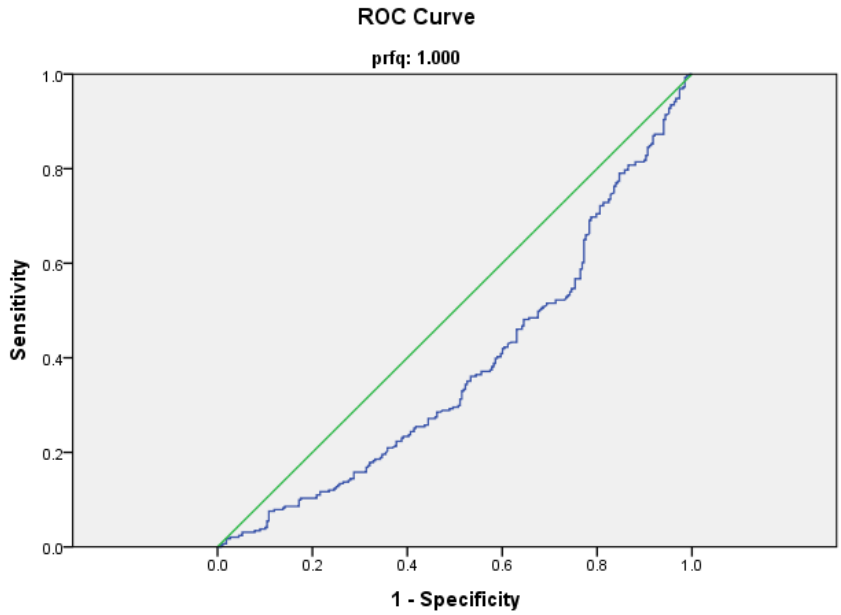




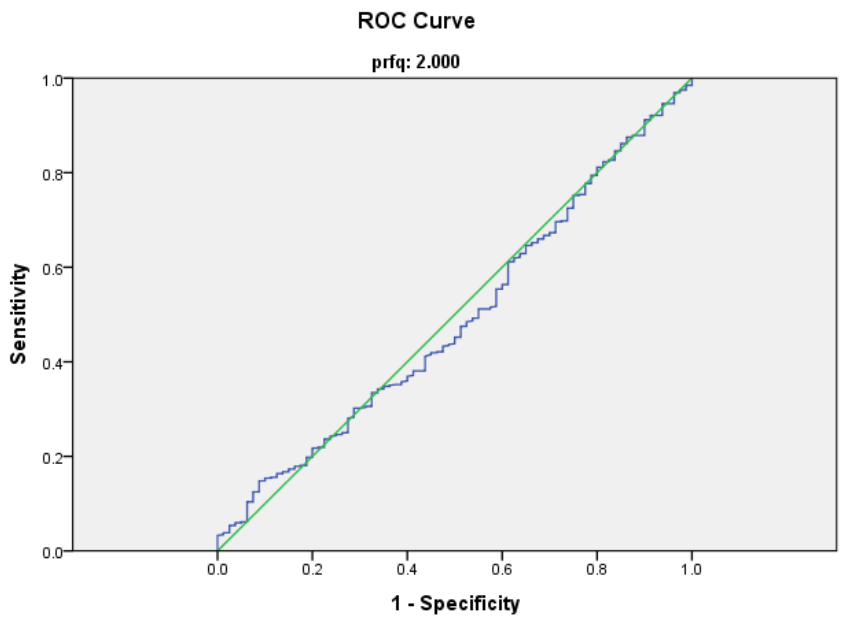
Diagonal segments are produced by ties.



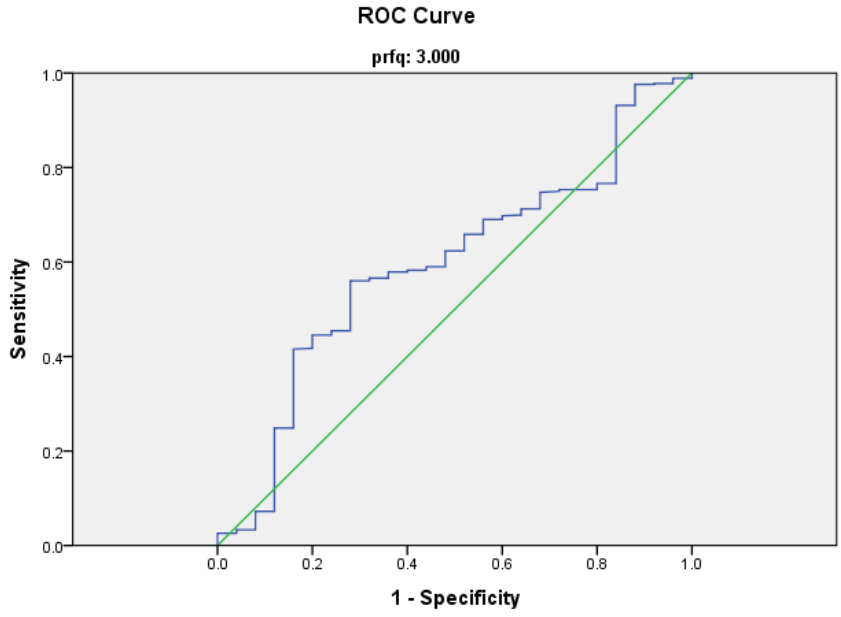
**Figure 7. Grade 5 ROC Curve Analysis Results for Passage Reading Fluency**



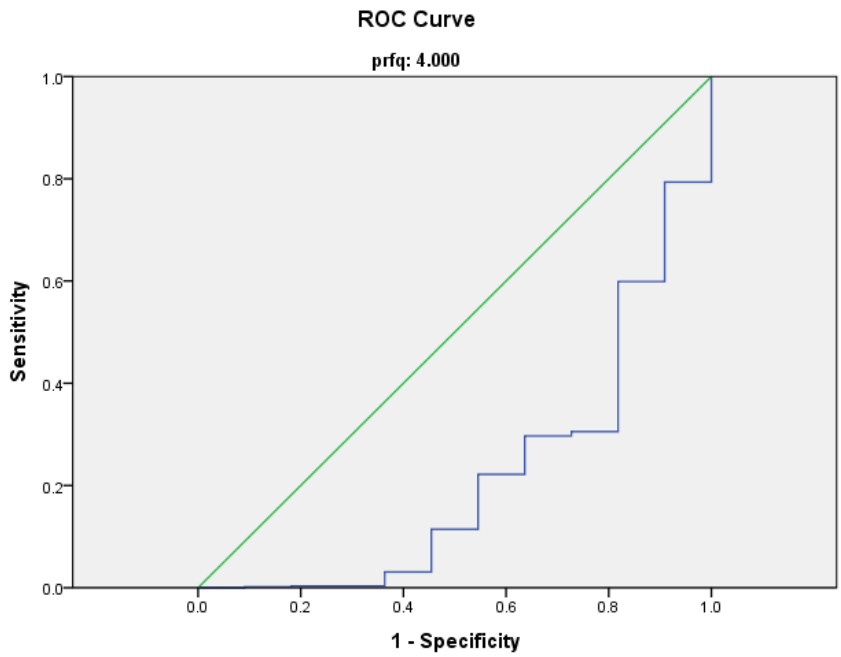
Diagonal segments are produced by ties.



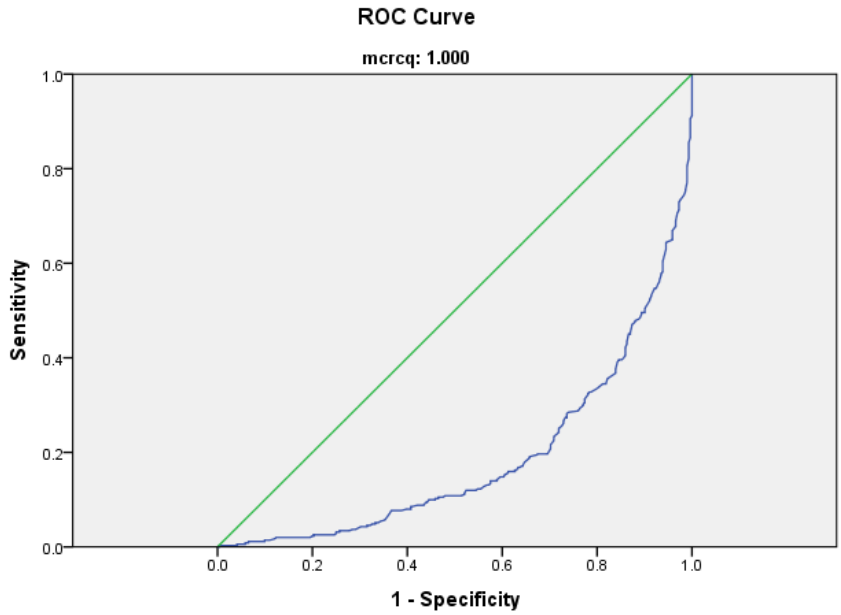
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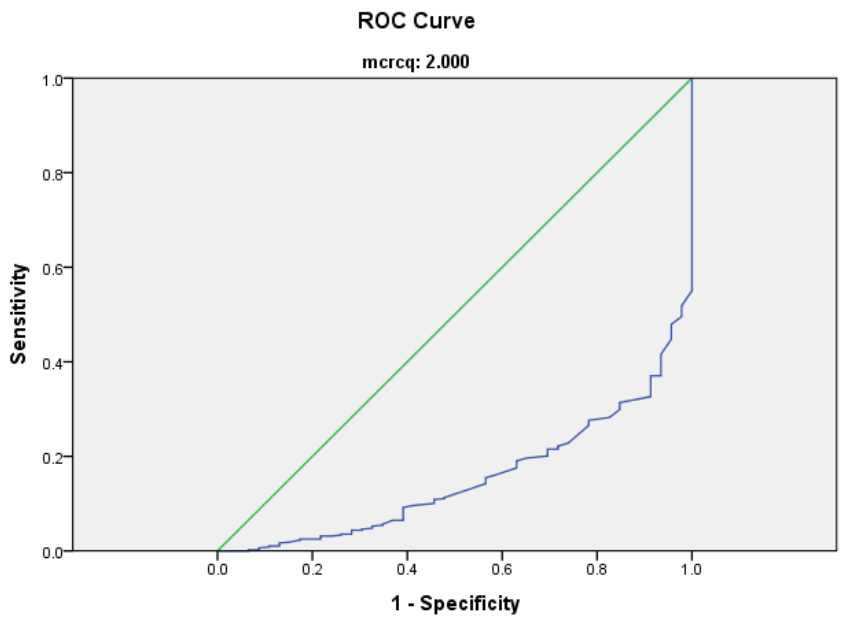
Diagonal segments are produced by ties.



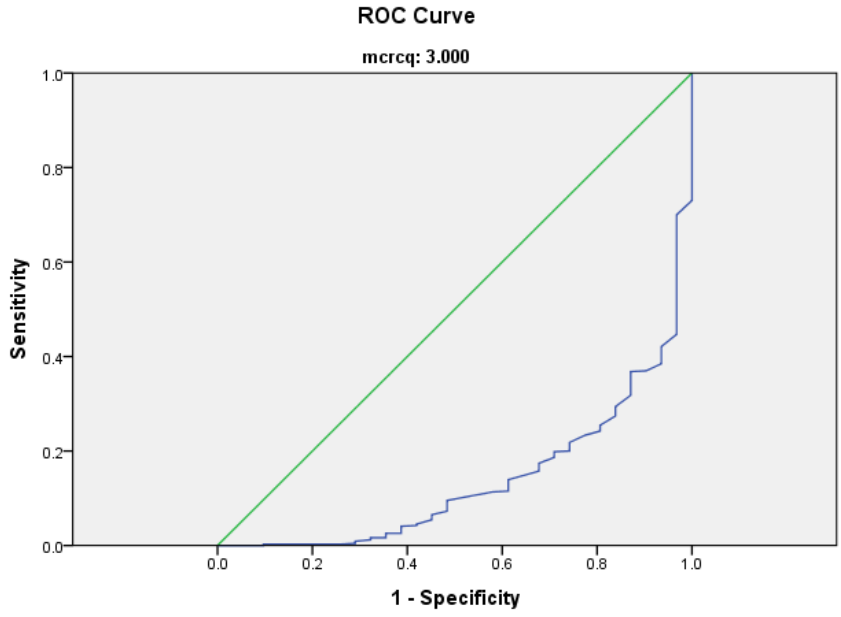
**Figure 8 . Grade 5 ROC Curve Analysis Results for Multiple Choice Reading Comprehension**



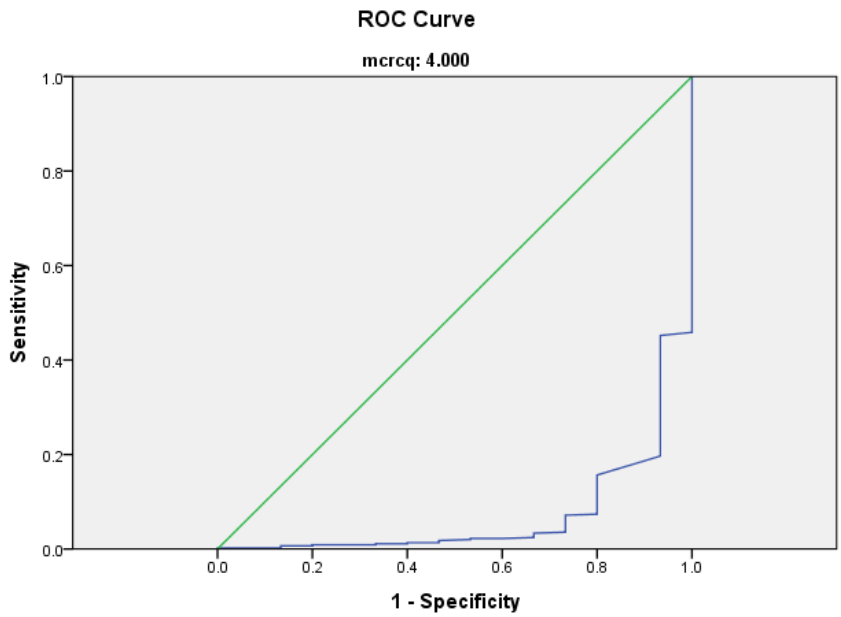
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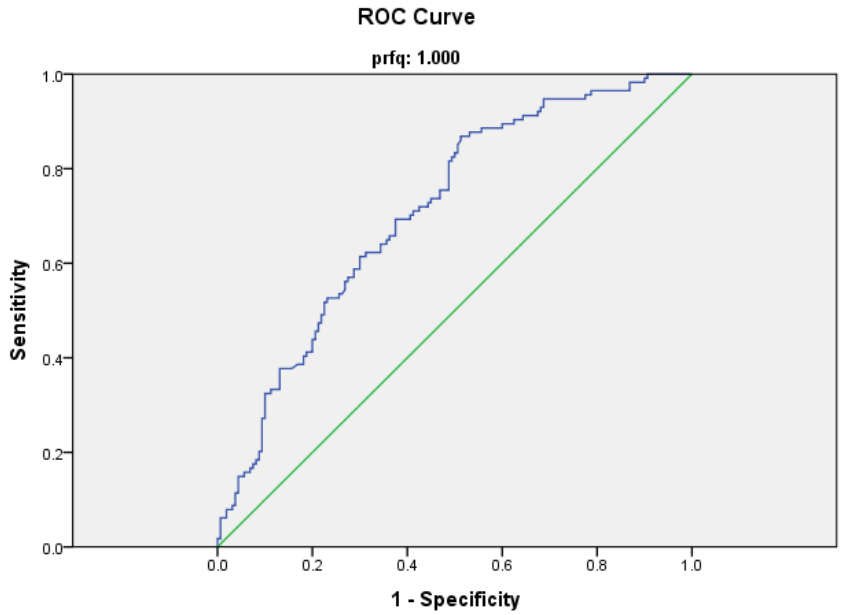


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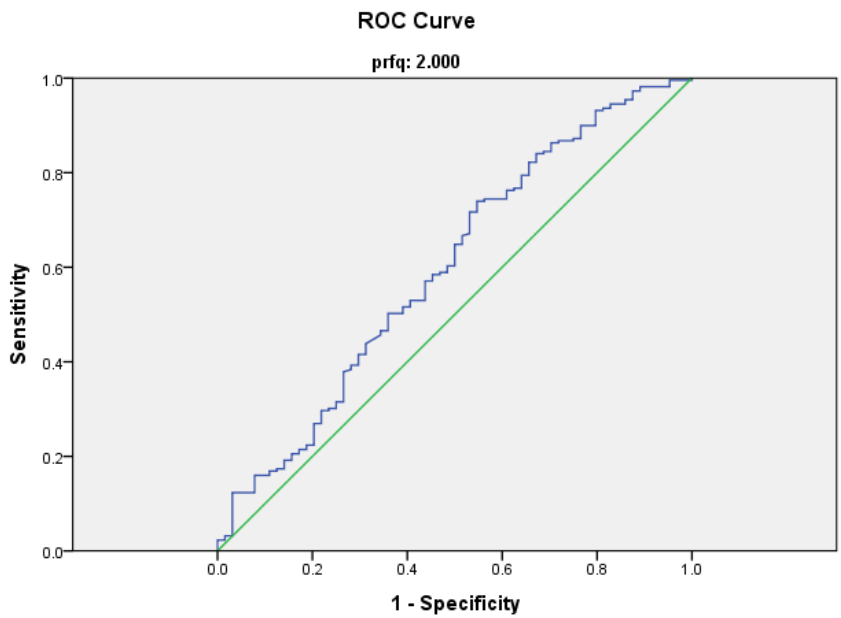


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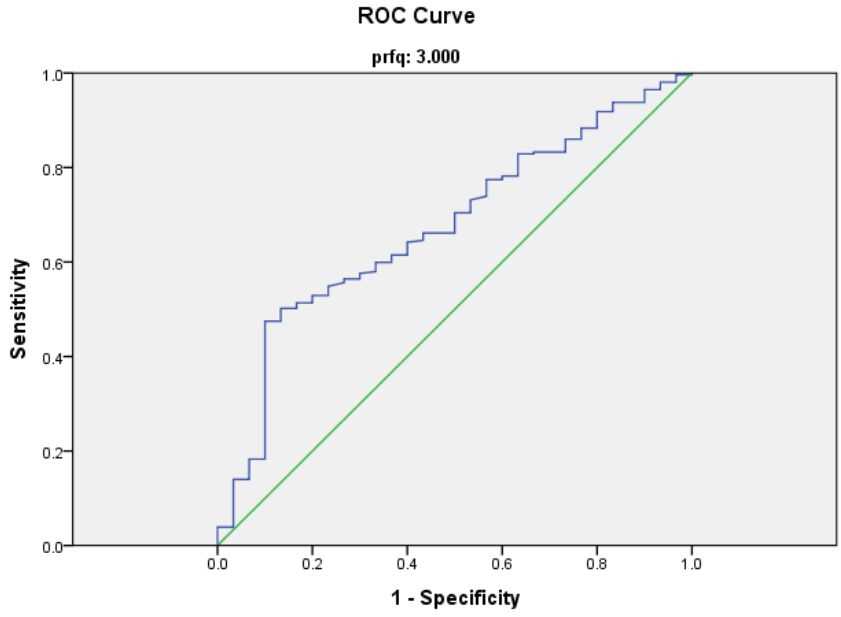
**Figure 9 . Grade 6 ROC Curve Analysis Results for Passage Reading Fluency**



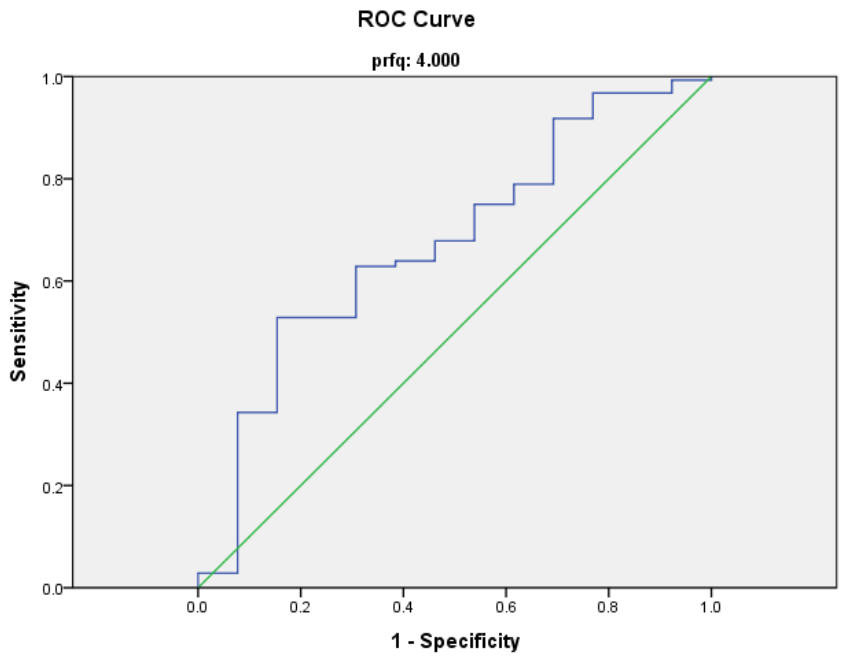
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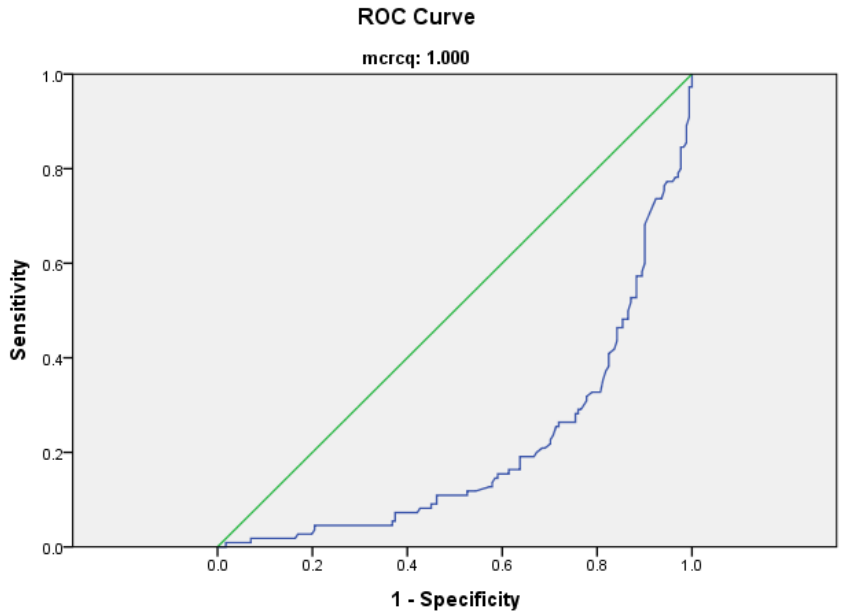


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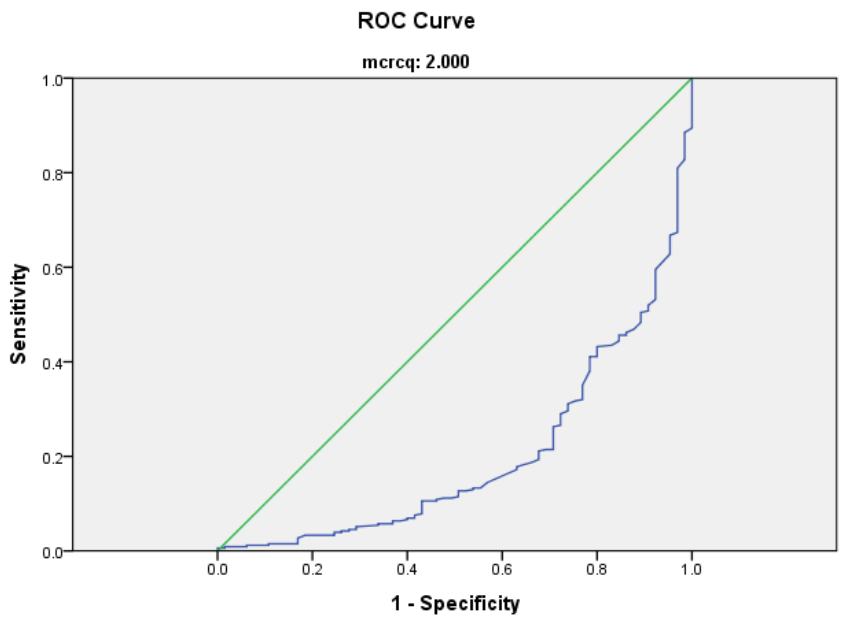


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**Figure 10 . Grade 6 ROC Curve Analysis Results for Multiple Choice Reading Comprehension**

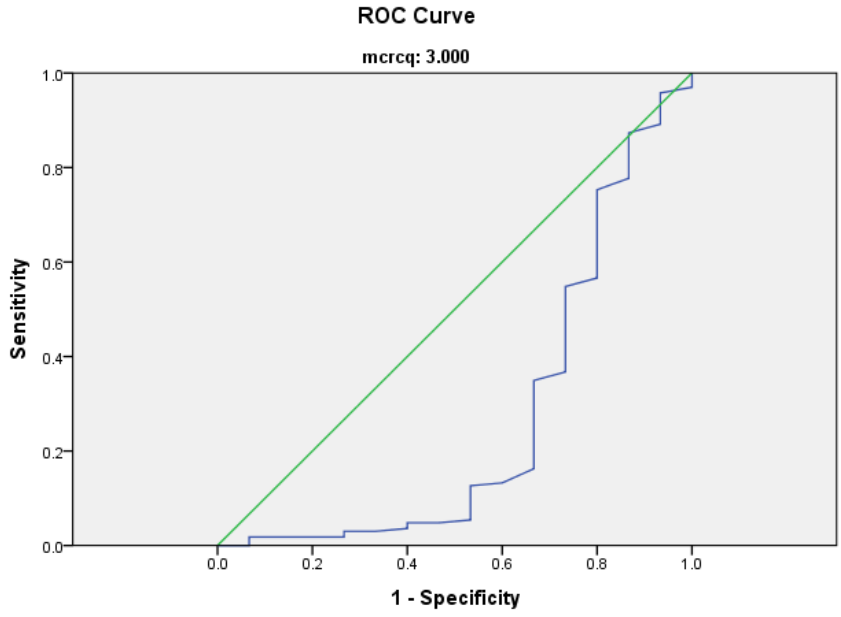


Diagonal segments are produced by ties.

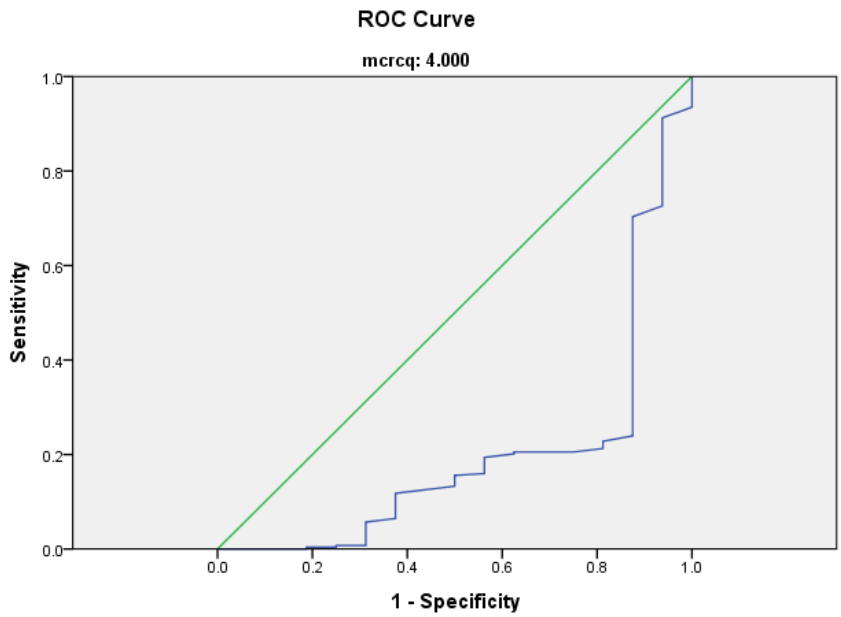


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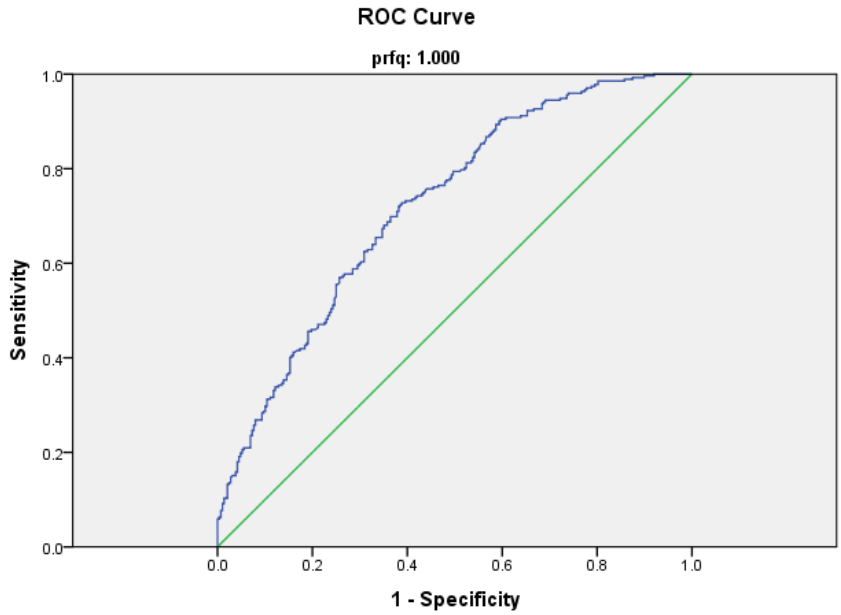
Diagonal segments are produced by ties.



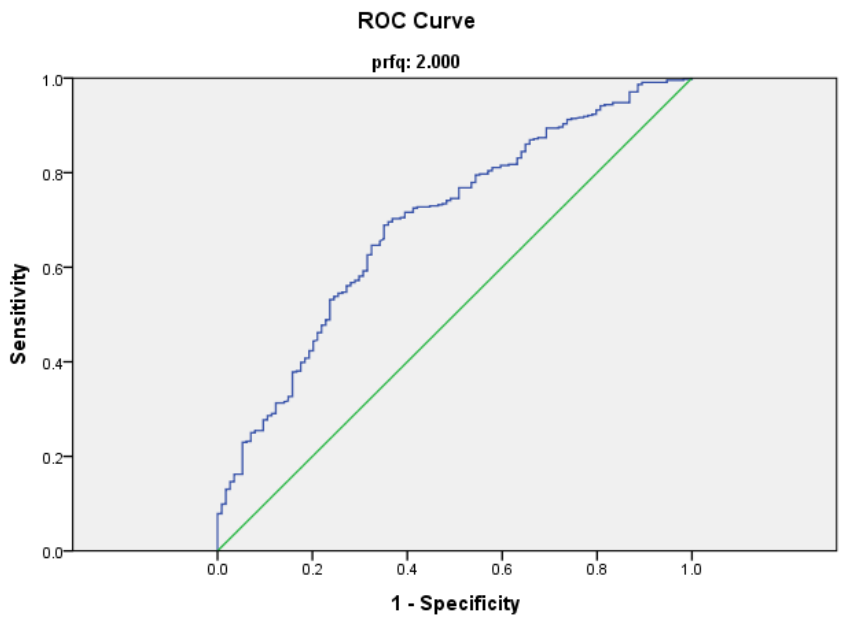
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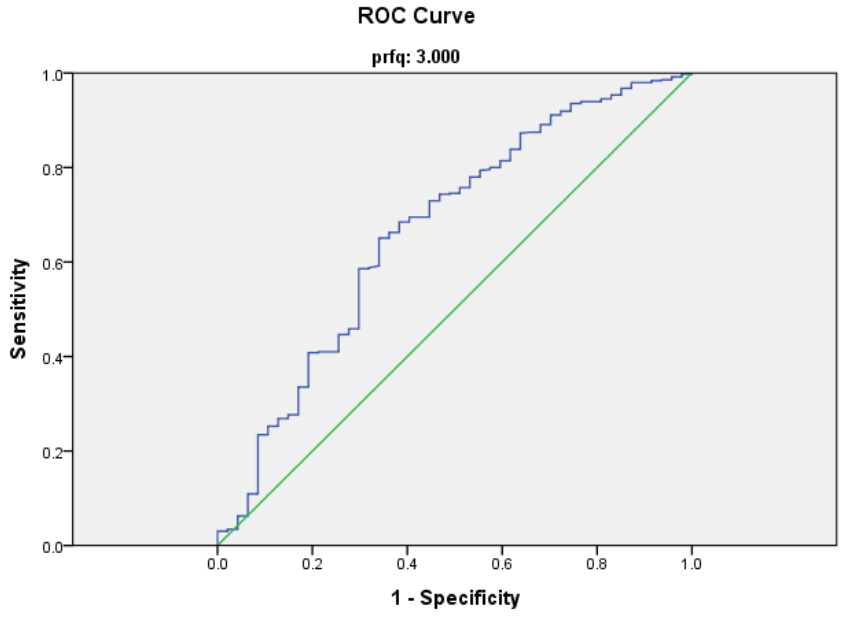
**Figure 11 . Grade 7 ROC Curve Analysis Results for Passage Reading Fluency**



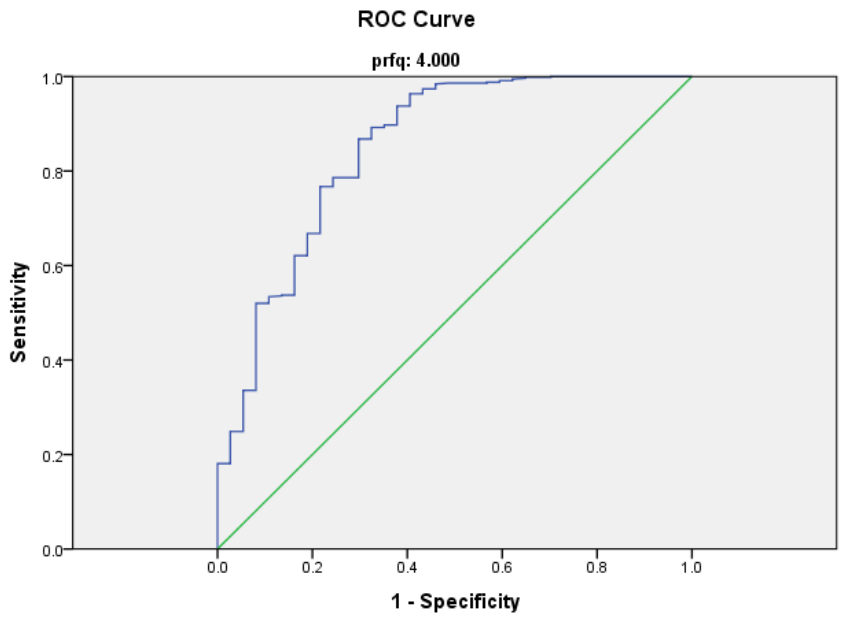
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Diagonal segments are produced by ties.

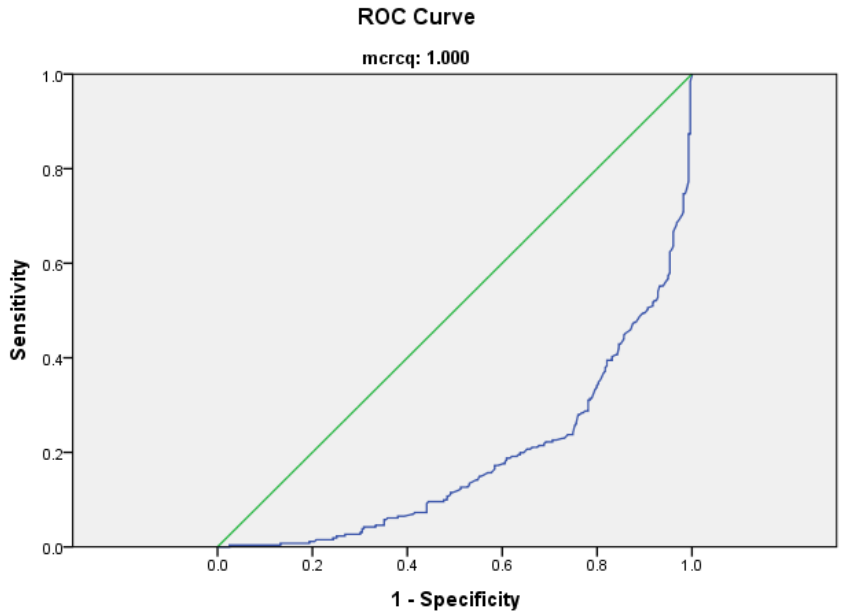


Diagonal segments are produced by ties.

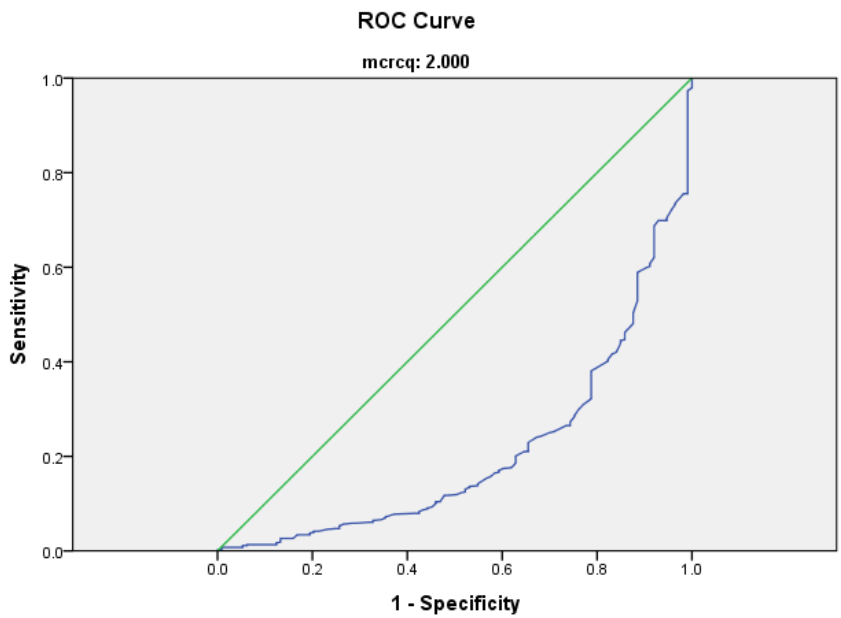


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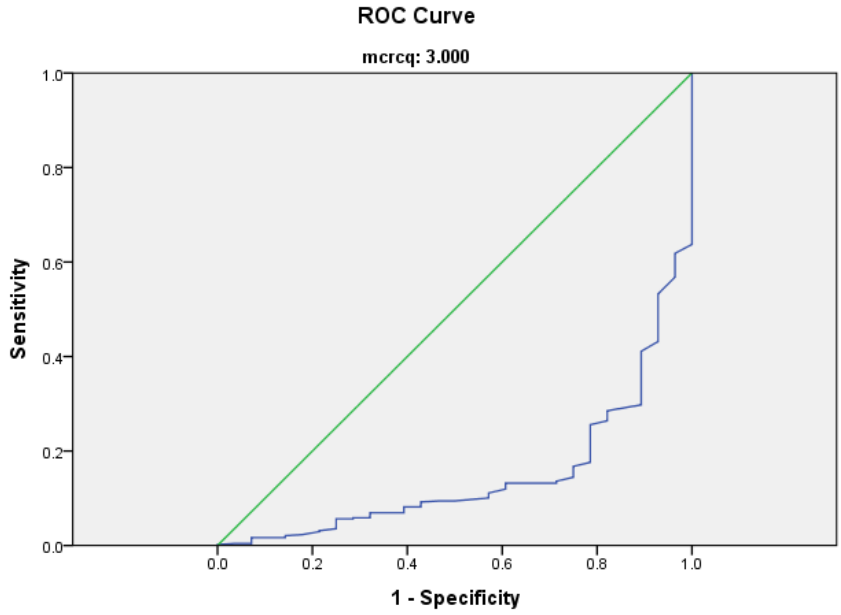
**Figure 12 . Grade 7 ROC Curve Analysis Results for Multiple Choice Reading Comprehension**



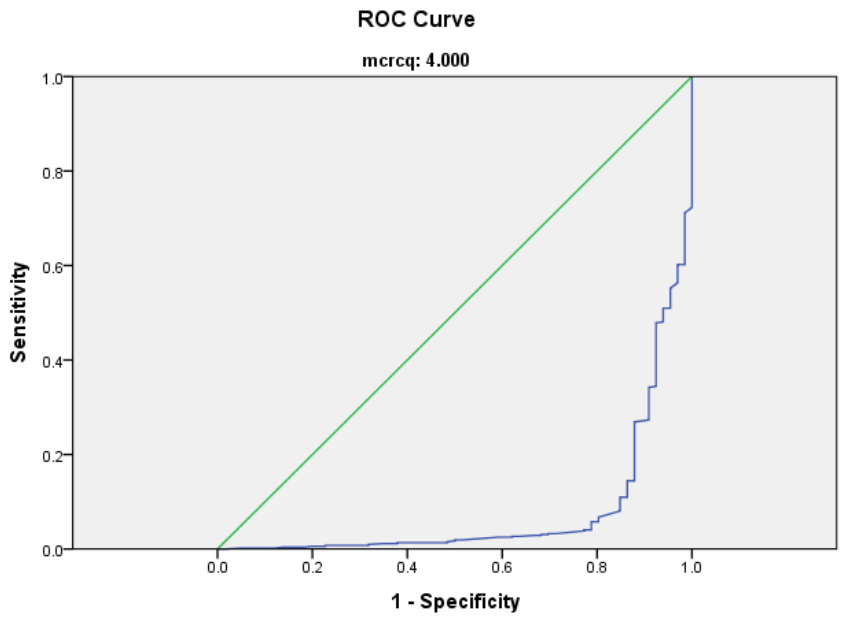
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Diagonal segments are produced by ties.



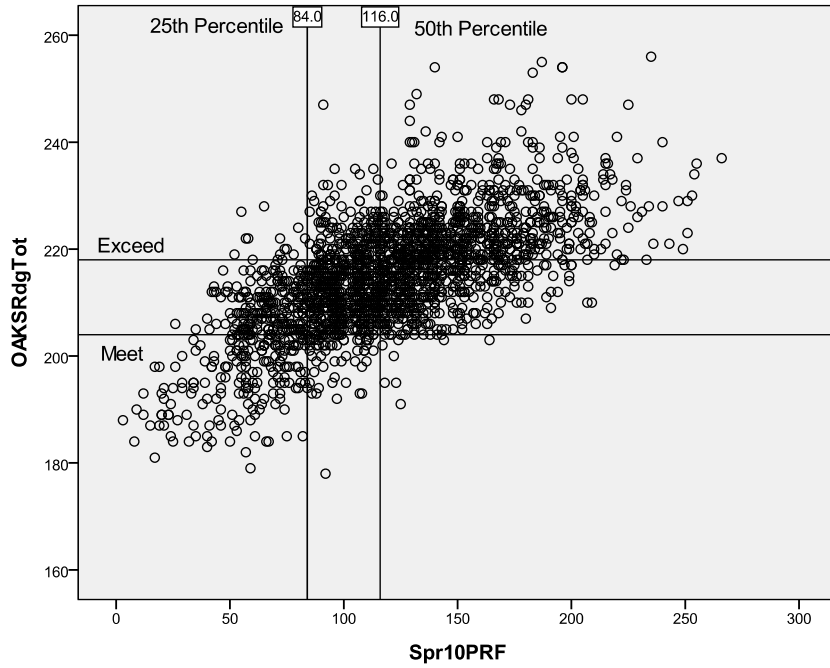
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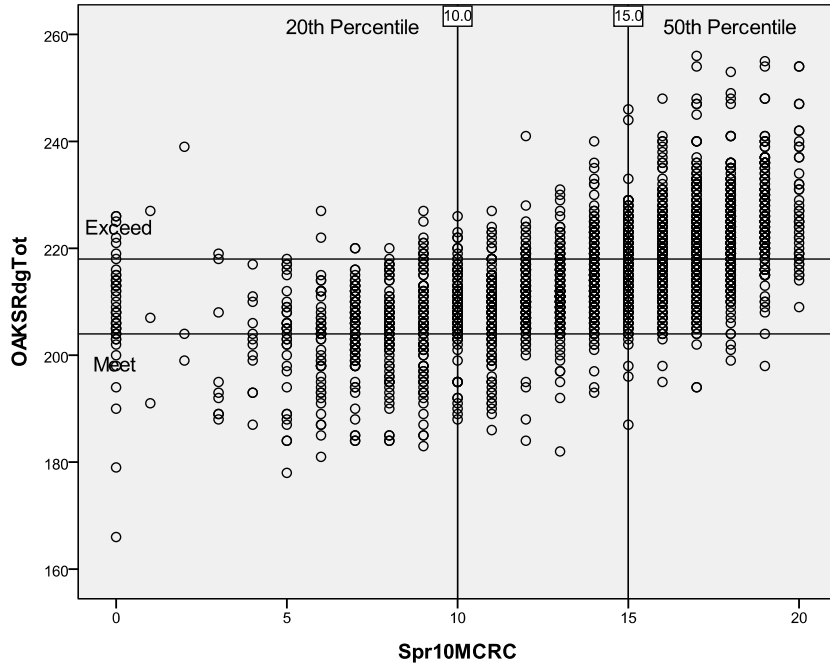
Diagonal segments are produced by ties.

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**Figure 13. Grade 3 Spring EasyCBM Passage Reading Fluency Score X OAKS Reading Performance Scatterplot**

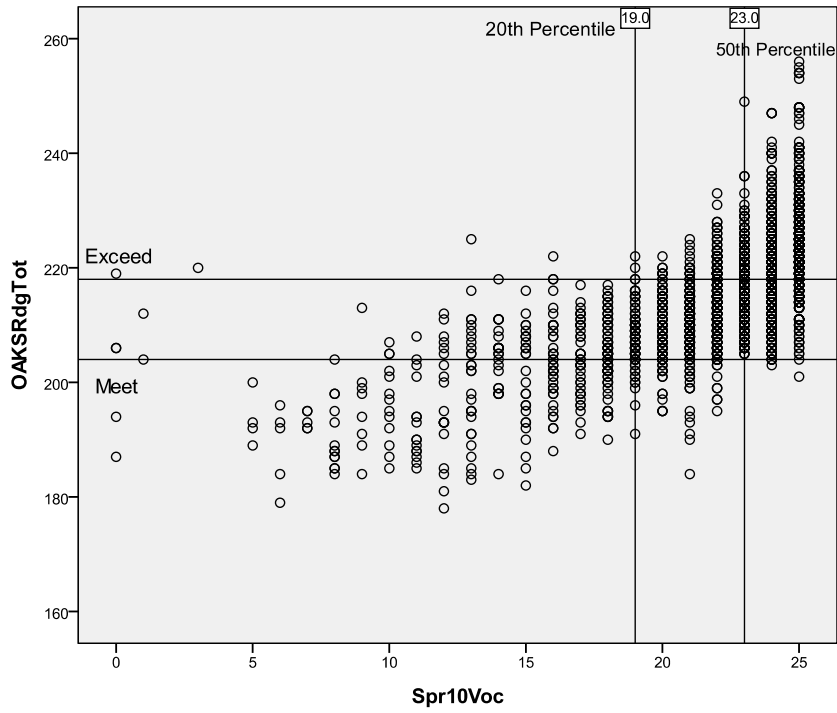


**Figure 14. Grade 3 Spring EasyCBM Multiple Choice Reading Comprehension Score X OAKS Reading Performance Scatterplot**

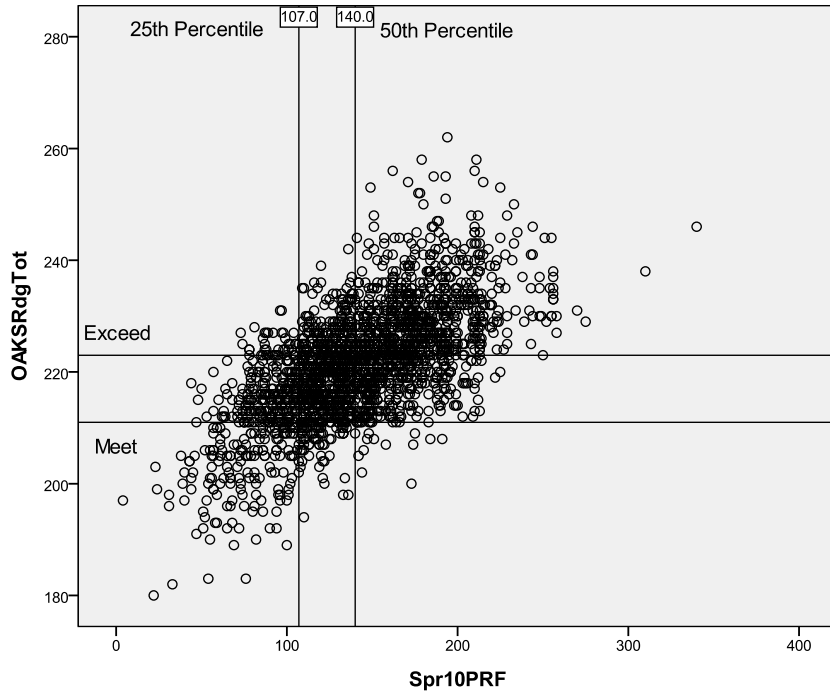


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**Figure 15. Grade 3 Spring EasyCBM Vocabulary Score X OAKS Reading Performance Scatterplot**

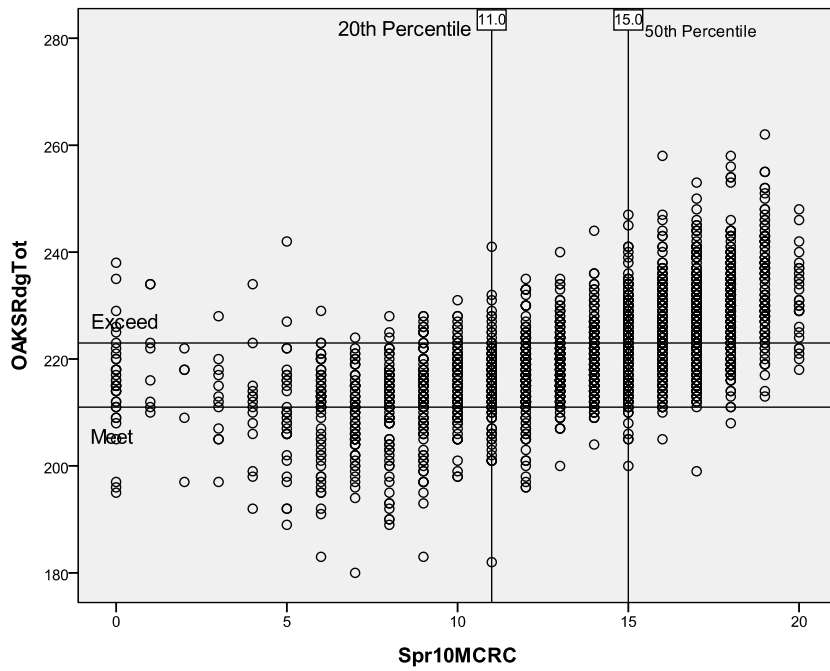


**Figure 16. Grade 4 Spring EasyCBM Passage Reading Fluency Score X OAKS Reading Performance Scatterplot**

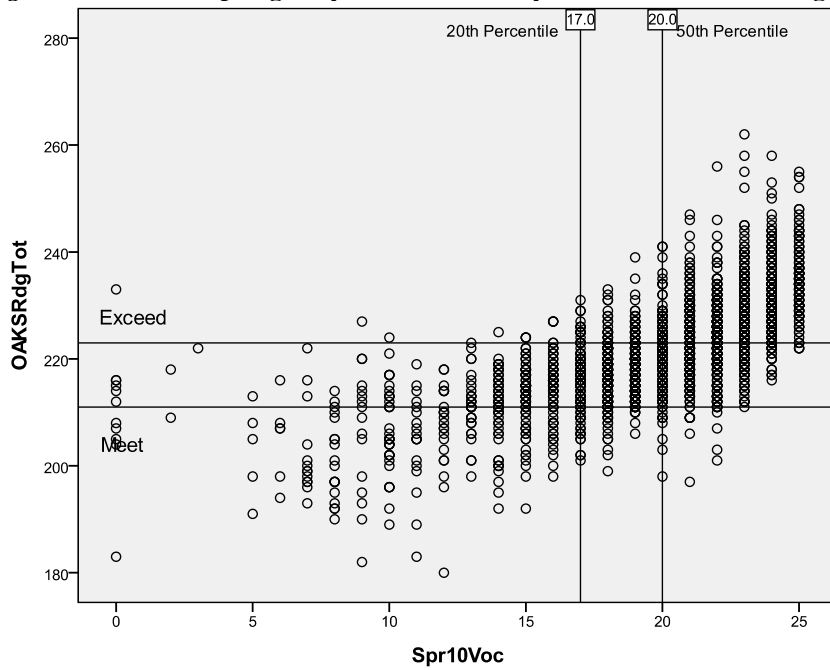


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**Figure 17. Grade 4 Spring EasyCBM Multiple Choice Reading Comprehension Score X OAKS Reading Performance Scatterplot**



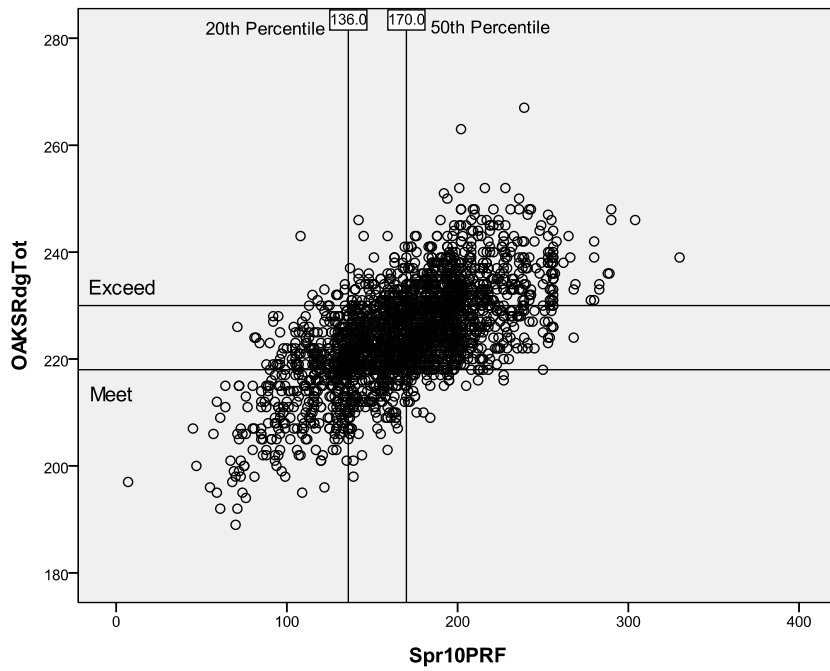
**Figure 18. Grade 4 Spring EasyCBM Vocabulary Score X OAKS Reading Performance Scatterplot**



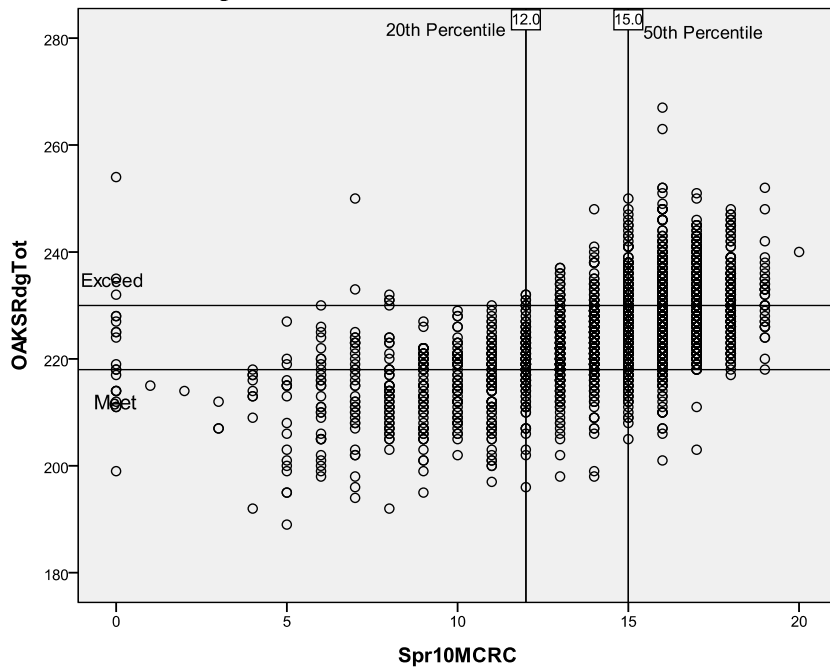


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**Figure 19. Grade 5 Spring EasyCBM Passage Reading Fluency Score X OAKS Reading Performance Scatterplot**

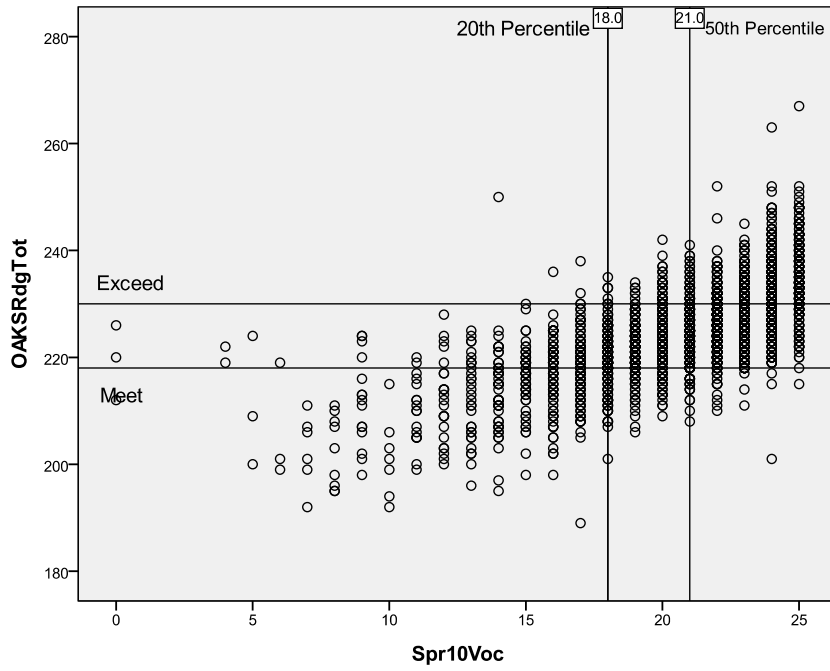


**Figure 20. Grade 5 Spring EasyCBM Multiple Choice Reading Comprehension Score X OAKS Reading Performance Scatterplot**

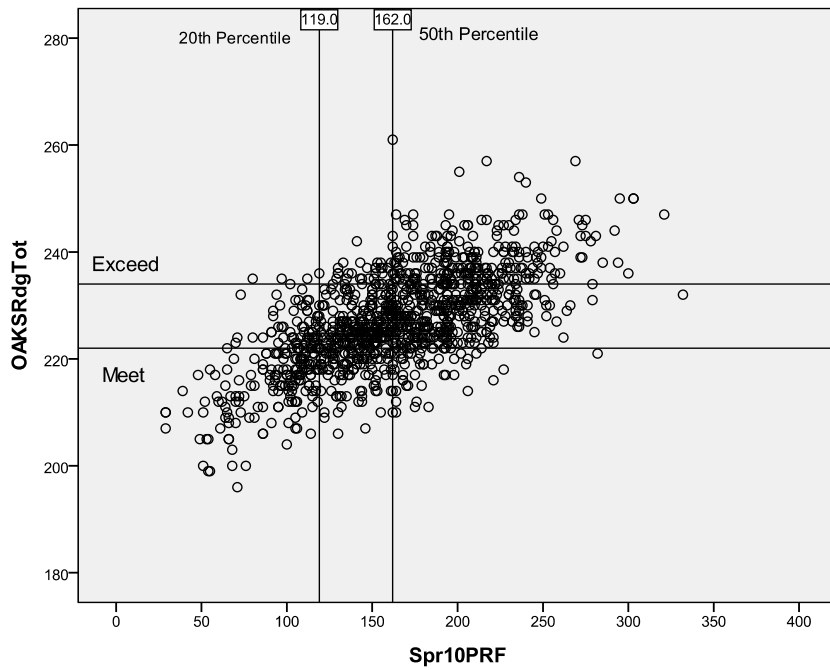


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**Figure 21. Grade 5 Spring EasyCBM Vocabulary Score X OAKS Reading Performance Scatterplot**

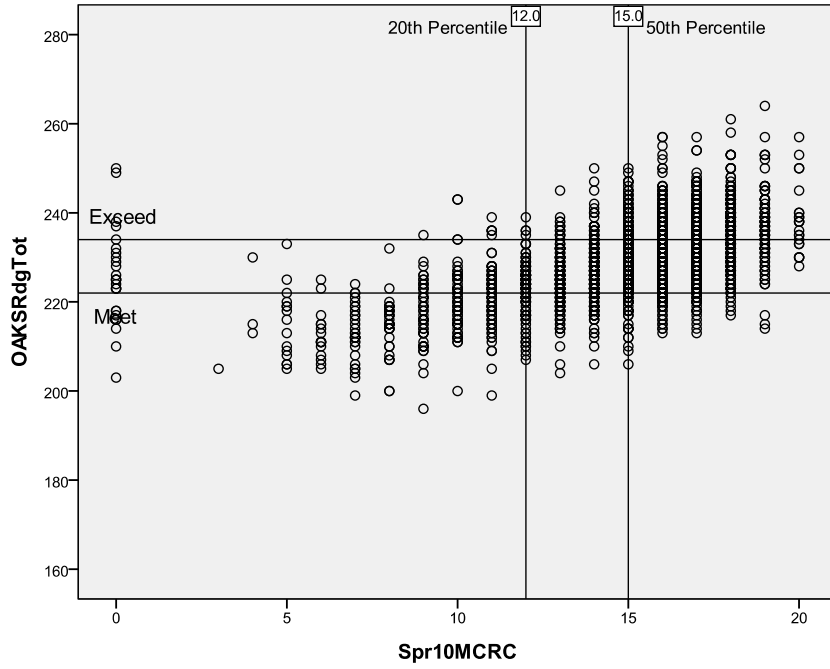


**Figure 22. Grade 6 Spring EasyCBM Passage Reading Fluency Score X OAKS Reading Performance Scatterplot**

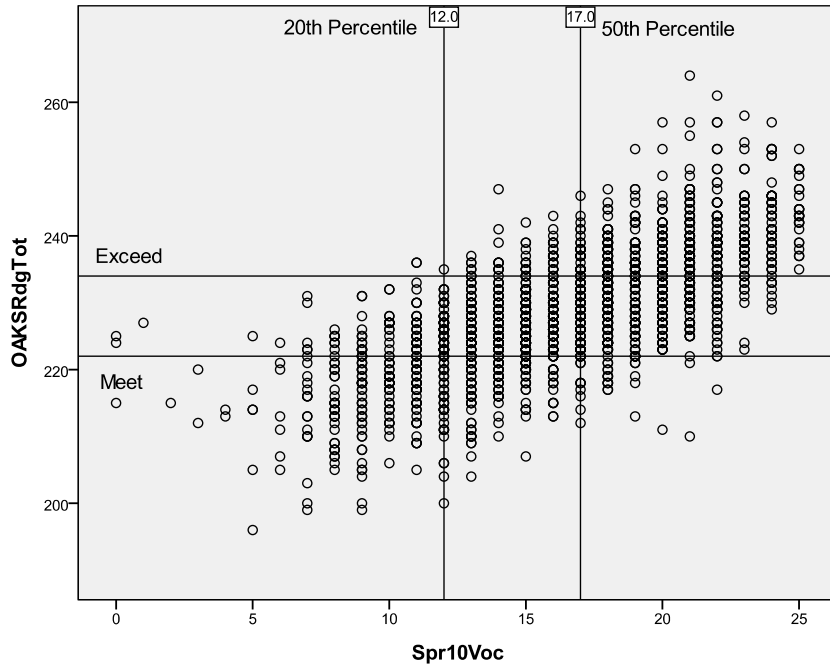


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**Figure 23. Grade 6 Spring EasyCBM Multiple Choice Reading Comprehension Score X OAKS Reading Performance Scatterplot**

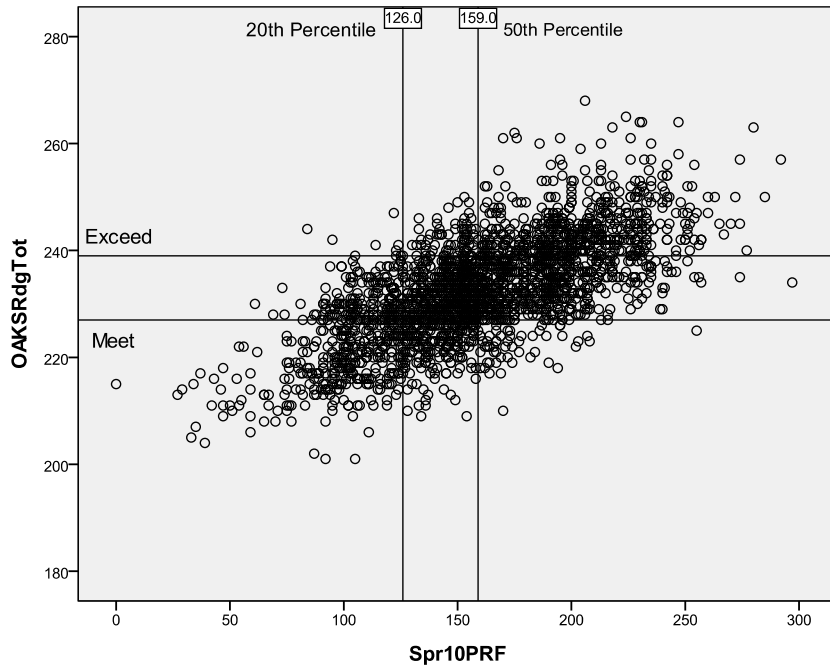


**Figure 24. Grade 6 Spring EasyCBM Vocabulary Score X OAKS Reading Performance Scatterplot**

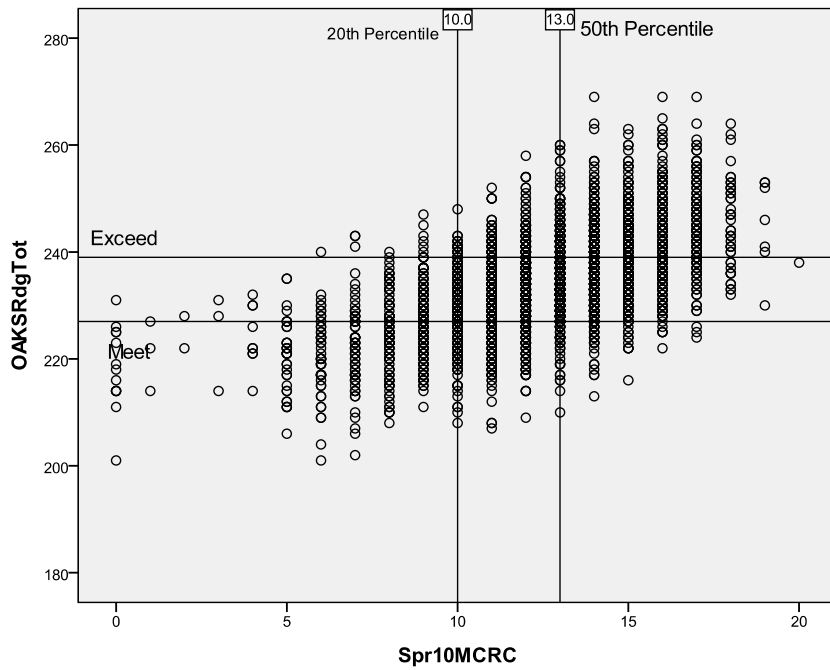


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**Figure 25. Grade 7 Spring EasyCBM Passage Reading Fluency Score X OAKS Reading Performance Scatterplot**



**Figure 26. Grade 7 Spring EasyCBM Multiple Choice Reading Comprehension Score X OAKS Reading Performance Scatterplot**



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Figure 27. Grade 7 Spring EasyCBM Vocabulary Score X OAKS Reading Performance Scatterplot

