Florida Alternate Assessment Technical Report 2013–14

Prepared by Measured Progress for the
Florida Department of Education

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TABLE OF CONTENTS

SECTION I OVERVIEW, BACKGROUND, AND KEY COMPONENTS OF THE VALIDITY EVALUATION

CHAPTER 1 CURRENT YEAR UPDATES

The design of the Florida Alternate Assessment remained the same for 2013–14, although new item development slightly changed. In November 2012, the Florida Department of Education (FLDOE) requested that all new development for mathematics and English Language Arts (ELA) be aligned to Common Core State Standards (CCSS). Measured Progress engaged in the following steps related to this activity:

1. Mathematics and ELA CCSS were selected to be targeted for field-test development on the 2014 assessment. An assessment blueprint was not utilized to guide this standard selection process. The FLDOE requested that the Standards be selected to represent a wide variety of skills. The intent of 2014 field-test item development was to provide maximum coverage across the standards in order to provide Florida's students and educators exposure to the CCSS in an assessment format. The selected mathematics and ELA CCSS were approved by the state.
2. Extensions to the selected CCSS were written to reveal the "core essence" of each standard at reduced levels of complexity. One Essence Statement served as the Access Point for all three levels of complexity. These Essence Statements were also approved by the state.
3. Math, reading, and writing items were then developed to the Essence Statements and field-tested on the Spring 2014 Florida Alternate Assessment.

The *Florida Alternate Assessment Administration Manual 2013–2014* was updated to include information regarding the CCSS Essence Statements for mathematics and ELA.CCSS selected for field-test item development were listed as a reference for teachers in a new appendix. Additional information is available in Chapter 5.

The specifications document, *Florida Alternate Assessment Test Designs, Blueprints, and Item Specifications for Reading, Writing, Mathematics, and Science 2013–2014 Assessment*, was updated to reflect the standards of common-eligible and field-test items. Additional information is available in Chapter 3.

1.1 VALIDITY STATEMENT

This report describes several technical aspects of the Florida Alternate Assessment in an effort to contribute to the accumulation of validity evidence to support Florida Alternate Assessment score interpretations. Because the interpretations of test scores, not the test itself, are evaluated for validity, this report presents documentation to substantiate intended interpretations (AERA, APA, & NCME, 1999). Each section in this report contributes important information to the validity argument by addressing one or more of the following aspects of the Florida Alternate Assessment: test development, test alignment, test administration, scoring, reliability, performance levels, and reporting.

Validity evidence for the Florida Alternate Assessment is documented in technical reports for each administration year of the alternate assessment available through the FLDOE (http://www.fldoe.org/asp/altassessment.asp). Further validity evidence is also available in *Florida Alternate Assessment Validity Studies 2008–2009*, which reported the results of research studies completed for the FLDOE in that year. The results of research studies conducted in 2011–2012 are reported separately in *Florida Alternate Assessment Item Characteristics Study: Analysis of Item Response Data Summary of Results 2011–12* and *Florida Alternate Assessment Student Growth Study: Summary of Results 2011–12*. Collectively, the research studies investigated a number of technical aspects of Florida's alternate assessment system, including validity, reliability, and models to measure the learning gains of students who take the Florida Alternate Assessment. Research study reports for the Florida Alternate Assessment are available online (http://www.fldoe.org/asp/altassessment.asp).

The Florida Alternate Assessment outlined in this report is based on, and aligned to, the Next Generation Sunshine State Standards Access Points in reading, writing, mathematics, and science. New item development for ELA and mathematics aligned to CCSS are field test only and do not apply to student achievement scores. Intended inferences from the Florida Alternate Assessment results refer to student achievement on Florida's reading, writing, mathematics, and science content standards. These alternate achievement inferences are meant to be useful for program and instructional improvement and as a component of school accountability.

Standards for Educational and Psychological Testing (AERA, APA, & NCME, 1999) provides a framework for describing sources of evidence that should be considered when constructing a validity argument. These sources include evidence based on the following five general areas: test content, response processes, internal structure, relationship to other variables, and consequences of testing. Although each of these sources may speak to a different *aspect* of validity, they are not distinct types of validity. Instead, each contributes to a body of evidence about the comprehensive validity of score interpretations.

CHAPTER 2 OVERVIEW OF THE FLORIDA ALTERNATE ASSESSMENT

The Individuals with Disabilities Education Act (IDEA) requires that students with disabilities be included in each state's system of accountability and that students with disabilities have access to the general curriculum. The No Child Left Behind (NCLB) Act also speaks to the inclusion of all students in a state's accountability system by requiring states to report achievement for all students, including specific subgroups of students (e.g., those with disabilities, those for whom English is a second language). These federal laws reflect an ongoing concern about equity. All students should be academically challenged and taught to high standards. The involvement of all students in the educational accountability system provides a means of measuring progress toward that goal.

To provide an option for the participation of all students in the state's accountability system, including those for whom participation in the general statewide assessments (the Florida Comprehensive Assessment Test® [FCAT/FCAT 2.0], Comprehensive English Language Learning Assessment [CELLA], and End of Course Assessments [EOCs]) is not appropriate, even with accommodations, Florida has developed the Florida Alternate Assessment. The design of the Florida Alternate Assessment is based on the Next Generation Sunshine State Standards Access Points for Students with Significant Cognitive Disabilities in reading writing, mathematics, and science. Access Points represent the essence of the Next Generation Sunshine State Standards with reduced levels of complexity— Participatory, Supported, and Independent— with the Participatory level being the least complex. The Florida Alternate Assessment was developed to allow students an opportunity to advance through all three levels of complexity per item. This tiered progression provides students the opportunity to work to their potential for each item in each content area. The process is critical as educators seek to provide access to the general education curriculum and foster higher expectations for the wide diversity of students with significant cognitive disabilities. It is expected that only students with the most significant cognitive disabilities who are eligible under IDEA will participate in the Florida Alternate Assessment.

2.1 HISTORY OF THE FLORIDA ALTERNATE ASSESSMENT

Florida's focus on educational accountability began in 1991 with its school improvement and accountability legislation. The intent of this legislation was to ensure higher levels of achievement for all students and more accountability for schools. In 1996, the State Board of Education adopted the Sunshine State Standards and the FCAT was authorized by the legislature. During this same time period, efforts were made to build capacity within school districts to develop and implement local alternate assessment tools for students for whom the FCAT is not appropriate. In 1999, the legislature passed the A+ Plan for Education, which increased standards and accountability for students, schools, and educators. The assessment system

included reading and mathematics in grades 3 through 10; writing in grades 4, 8, and 10; and science in grades 5, 8, and 11. The development of a school grading system was implemented in 1999 and a system for calculating individual academic growth over the course of a year commenced in 2000. In 2002, the Florida Alternate Assessment Report (FAAR) was developed to provide information on the progress of students with disabilities using the Sunshine State Standards for Special Diploma academic standards. Teachers used the FAAR as a reporting mechanism that reflected student progress on the standards based on locally determined assessments. The FAAR was intended to function as a uniform tool for reporting the outcomes of assessment data for students in grades 3 through 11.

In 2005, Florida began the process of revising the Sunshine State Standards. As part of this revision, Access Points for students with significant cognitive disabilities were developed. These Access Points represented the core intent of the standards with reduced levels of complexity. The work of developing Access Points for the expansion of the Sunshine State Standards was funded by the State of Florida (FLDOE Bureau of Exceptional Education and Student Services) and organized by staff from the Accountability and Assessment for Students with Disabilities Project at the Panhandle Area Education Consortium and the Accommodations and Modifications for Students with Disabilities Project at Florida State University. The Access Points writing groups comprised parents, teachers, and university personnel with special education and content expertise. In conjunction with this activity, in 2007 Florida began to design and develop a statewide alternate assessment based on alternate achievement standards. The intent was to replace the FAAR system of local assessments and state reporting aligned to previous standards with a new statewide assessment aligned to the newly adopted Access Points. An Advisory Committee, representing the perspectives of teachers, parents, and administrators, provided input during the development of the assessment.

Currently, Florida provides four statewide assessments: the general assessment (FCAT/FCAT 2.0), CELLA, EOCs, and an alternate assessment based on alternate achievement standards (Florida Alternate Assessment). For the Florida Alternate Assessment, reading and mathematics are assessed in grades 3 through 10; writing assessments take place in grades 4, 8, and 10; and science assessments occur in grades 5, 8, and 11.

2.1.1 Core Beliefs

The mission of the FLDOE is to lead and support schools and communities in ensuring that all students achieve at the high levels needed to lead fulfilling and productive lives, to compete in academic and employment settings, and to contribute to society. The core beliefs of the FLDOE are as follows:

- All students can learn.
- All students should have access to the general curriculum.
- All students should be challenged.
- All students should have opportunities to demonstrate what they know and can do.

2.1.2 Stakeholders

Many stakeholders are involved in the development of the Florida Alternate Assessment. An Advisory Committee, comprising teachers, parents, and administrators, convenes in the spring and fall to provide recommendations for changes to the Florida Alternate Assessment. A bias and sensitivity work group, comprising general and special education teachers, specialists, and administrators, gathers in the spring to review passages prior to the start of item development for the reading assessment. Content and bias work groups, composed of general and special education teachers, specialists, and administrators, convene in the summer to review newly developed items for content or bias and sensitivity. Each reading, writing, mathematics, and science content group reviews items for content, alignment to the Access Points, appropriateness for the population of students being assessed, and ratings of item complexity (i.e., Depth of Knowledge and Presentation Rubric indices). Separate bias and sensitivity groups review the reading, writing, science, and mathematics items. Stakeholder lists can be found in Appendix A.

2.2 PURPOSES OF THE FLORIDA ALTERNATE ASSESSMENT

Consistent with the state's general assessment programs (FCAT/FCAT 2.0), the purposes of the Florida Alternate Assessment are as follows: (1) to assess the annual learning gains of each student toward achieving the Next Generation Sunshine State Standards Access Points appropriate for the student's grade level; (2) to provide data for making decisions regarding school accountability and recognition; (3) to assess how well educational goals and curricular standards are met at the school, district, and state levels; (4) to provide information to aid in the evaluation and development of educational programs and policies; and (5) to provide information about the performance of Florida students compared with that of other students across the United States.

2.3 USES OF THE FLORIDA ALTERNATE ASSESSMENT

Florida Alternate Assessment results are provided at the student, school, district, and state levels. Interpretative brochures for parents and teachers are sent to schools with the Florida Alternate Assessment Student Score Reports. Educators, parents, and students are encouraged to use the reported scores to inform instruction and chart student progress in meeting the Next Generation Sunshine State Standards Access Points.

Results of the Florida Alternate Assessment show educators how students with significant cognitive disabilities are progressing toward learning the knowledge and skills contained in the Access Points. The results can be used to assist Individual Educational Plan (IEP) teams in developing annual goals and

objectives. The IEP team should examine the results in conjunction with other information—such as progress reports, report cards, and parent and teacher observations—to see what additional instruction, supports, and aids are needed and in what areas.

The results can also be used to improve instructional planning. For example, a student whose performance suggests mastery of Access Points at the Participatory level of complexity may be ready for work that is more difficult, and instructional planning will likely focus on Access Points at the Supported level of complexity. Students' scores may also indicate a need for adjustments to the curriculum or for the provision of additional student supports and learning opportunities.

2.4 FLORIDA ALTERNATE ASSESSMENT PARTICIPATION

The Florida Alternate Assessment is based on alternate achievement standards and designed specifically for students with significant cognitive disabilities. Florida offers three state assessment options for students with disabilities: participating in the FCAT/FCAT 2.0 without accommodations, participating in the FCAT/FCAT 2.0 with accommodations, or participating in the Florida Alternate Assessment. Students who meet the criteria to participate in the Florida Alternate Assessment are unable to participate in the FCAT/FCAT 2.0 programs even with accommodations and are working on content standards with reduced levels of complexity that are measured against alternate achievement standards. IEP teams are responsible for determining whether students with disabilities will participate in alternate assessment. The IEP team should consider the student's present level of educational performance in reference to the Next Generation Sunshine State Standards. The IEP team should also be knowledgeable of guidelines and the use of appropriate testing accommodations. In order to facilitate informed and equitable decision making, IEP teams should answer each of the questions listed in Table 2-1 when determining whether a student should participate in the Florida Alternate Assessment.

Table 2-1. 2013–14 Florida Alternate Assessment: Participation Checklist

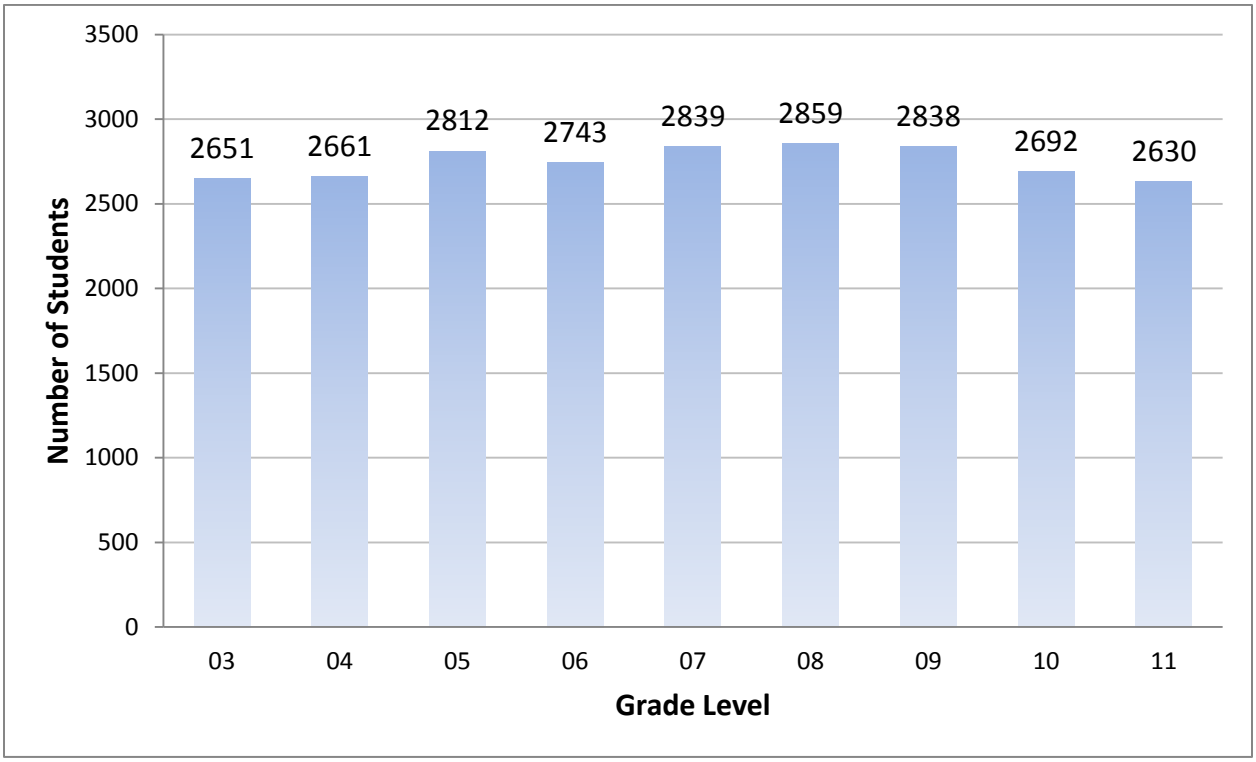
Questions to Guide the Decision-Making Process to Determine How a Student with a Disability Will Participate in the Statewide Assessment Program	*YES*	*NO*
1. Does the student have a significant cognitive disability?	_____	_____
2. Is the student unable to master the grade-level, general state content standards even with appropriate and allowable instructional accommodations, assistive technology, and/or accessible instructional materials?	_____	_____
3. Is the student participating in curriculum based on Sunshine State Standards Access Points for all academic areas?	_____	_____
4. Does the student require extensive direct instruction in academics based on Access Points in order to acquire, generalize, and transfer skills across settings?	_____	_____

If the IEP team determines that a "yes" response to all four of the questions accurately characterizes a student's current educational situation, then the Florida Alternate Assessment should be used to provide

meaningful evaluation of the student's current academic achievement. If "yes" is not checked in all four areas, then the student should participate in the general statewide assessment with accommodations, as appropriate.

Furthermore, if the decision of the IEP team is to assess the student through the Florida Alternate Assessment, the parents of the student must be informed that their child's achievement will be measured based on alternate academic achievement standards, and that the decision must be documented on the IEP. The IEP must include a statement of why the alternate assessment is appropriate and why the student cannot participate in the general assessment. A technical assistance paper and assessment participation checklist providing guidance regarding the recent revision of Rule 6A-1.0943(4), Florida Administrative Code, effective July 1, 2010, can be accessed online (http://www.fldoe.org/asp/altassessment.asp). Figure 2-1 shows 2013–14 participation rates for the Florida Alternate Assessment. Summary of participation rates by demographic category can be found in Appendix B.

Figure 2-1. 2013–14 Florida Alternate Assessment: Number of Students Assessed by Grade Level



SECTION II TEST DEVELOPMENT, ADMINISTRATION, SCORING, AND REPORTING

CHAPTER 3 TEST CONTENT

3.1 HISTORY OF ALTERNATE ACHIEVEMENT STANDARDS AND ACCESS POINTS

Designed specifically for students with significant cognitive disabilities, the Florida Alternate Assessment is a performance-based test that is aligned with the State Standards Access Points for reading and language arts (reading and writing), mathematics, and science. The assessment measures student performance based on alternate achievement standards. Access Points represent the essence of the State Standards with reduced levels of complexity—Participatory, Supported, and Independent—with the Participatory level being the least complex.

In 2005, the development of Sunshine State Standards Access Points in reading and language arts and mathematics was funded by the Bureau of Exceptional Education and Student Services and organized by staff from the Accountability and Assessment for Students with Disabilities Project at the Panhandle Area Education Consortium and the Accommodations and Modifications for Students with Disabilities Project at Florida State University. To begin this process, school districts were invited to nominate participants from across the state—including exceptional student education teachers, general education teachers, teachers of English language learners, and parents—to write draft Access Points for three levels of complexity: Participatory, Supported, and Independent. The draft Access Points were aligned to the benchmarks for the 1996 Sunshine State Standards. In December 2005, the Access Points for reading and language arts and mathematics were posted for public review in an online survey. A total of 164 people responded to the reading and language arts survey and 42 responded to the mathematics survey.

Beginning in January 2006, staff from the Accountability and Assessment for Students with Disabilities Project at the Panhandle Area Educational Consortium and the Accommodations and Modifications for Students with Disabilities Project at Florida State University worked together to align the draft Access Points for reading and language arts to the revised benchmarks of the Sunshine State Standards. Throughout the process, teachers and university personnel with expertise in reading and language arts and those with expertise in curriculum for students with disabilities were consulted, although no formal writing team was established. In April 2006, the Access Points were included in an online survey with the revisions to

the reading and language arts Sunshine State Standards and were aligned with further revisions to the general education standards. The final draft of the reading and language arts Access Points was adopted by the State Board of Education on January 25, 2007.

In May 2007, the Office of Mathematics and Science convened a committee of framers to consider the framework for the revision of the Sunshine State Standards for science content. From June 2007 to October 2007, the writers' committee met to write the new standards according to the structure set by the framers. From October 2007 to January 2008, the drafts of the standards were provided to the public via online sources and through public forums in various locations around the state. Online reviewers were able to rate the standards and provide comment. By February 2008, the State Board approved Next Generation Sunshine State Standards in reading and language arts, mathematics, and science.

3.2 ALIGNMENT AND LINKAGES

In 2008, the FLDOE contracted with the Center for Research on Education to conduct an alignment study of the Florida Alternate Assessment and the Sunshine State Standards Access Points. The criteria used for the alignment study, known as the Links for Academic Learning, were developed by the National Alternate Assessment Center (NAAC). The alignment methodology uses eight alignment criteria, such as the academic nature of the content, the fidelity of the content to the original grade-level standards, and the accessibility of the assessment. The *Florida Alternate Assessment Alignment Report* is available through the FLDOE.

3.3 ASSESSMENT DESIGN

In April 2007, the FLDOE entered into a development contract with Measured Progress. The new Florida Alternate Assessment was developed in response to a request for proposal (RFP) disseminated by the FLDOE requesting a new design for their alternate assessment that would be based on the newly developed Sunshine State Standards Access Points. The FLDOE wanted a new assessment that would include multiple item types and assessment levels within a primarily performance task type of assessment. This new design needed to allow tiered participation within the assessment for students working at the varying levels of complexity.

Technical characteristics of the assessment were documented in the *Florida Alternate Assessment Test Designs, Blueprints, and Item Specifications for Reading, Writing, Mathematics, and Science* (see Appendix C). The document was presented to the FLDOE and the Florida Alternate Assessment Advisory Committee in April 2007. The initial design presented at the meeting did not include the scaffolding at the Participatory level, which is outlined in the item design and administration section that follows. This change in the initial design resulted from the advisory members' concerns about the students working within the lowest level of complexity. They believed that presenting an item only one time whose answer was either

right or wrong would not give these students the opportunity to show what they know and are able to do. The advisory members were also presented with the blueprints and asked for their input. A few changes were made as an outcome of their input; for example, the concept of comparing and contrasting was removed from grade 3 reading, and financial literacy was added to the assessment blueprint for mathematics in grades 9 and 10. The document was finalized and any development that occurred after this point referenced the original document for design, blueprints, and item specifications. The discussion below regarding the item design, administration, and blueprints is based on this final document and reflects the changes that the advisory committee recommended.

The final design was presented at the Florida Alternate Assessment Institute in July 2007 in front of approximately 500 educators. The design was well received and no further adjustments were made to the overall design at that time.

3.3.1 Item Design and Administration

The Next Generation Sunshine State Standards Access Points consist of the general education strands, standards, and benchmarks beneath which three skill levels are linked. These three levels are the Access Points and are referred to as levels of complexity. The three levels of complexity are Participatory, Supported, and Independent, with the Participatory level representing the least complex skills and the Independent level representing the most complex skills. An item set is composed of three separate items: one item written to an Access Point in each of the three levels of complexity (Participatory, Supported, and Independent).

Students receive a final score for an item set based on the level at which they answer correctly. A student starts at the Participatory level of complexity within an item set. A student completing the Participatory-level item accurately, without assistance, moves on to the Supported-level item. If the student is able to complete the Supported-level item, the student is administered the Independent-level item. In other words, a student moves up through the Access Point skills as long as he or she is able to respond accurately and independently and receives a score consistent with the highest correct response. A score of 3 points is awarded to a student who completes the Participatory level of complexity item accurately and independently; 6 points for the Supported level of complexity; and 9 points for the Independent level of complexity.

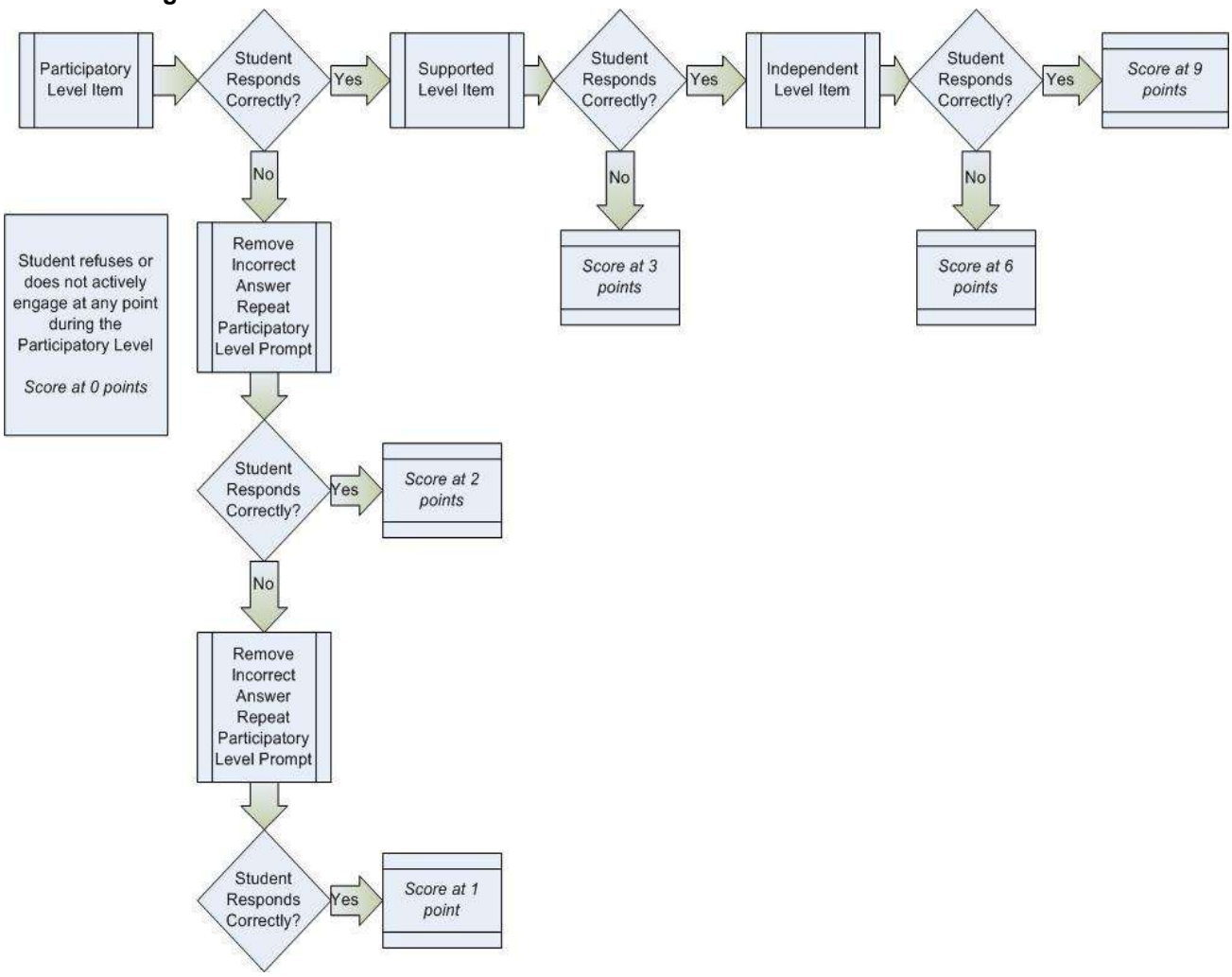
Scaffolding is provided only at the Participatory level to a student who is unable to complete a Participatory-level item accurately and independently. The student is presented the item again with one distractor removed. If the student is able to accurately respond, he or she is given a score of 2 points. If the student is again unable to accurately respond, the item is presented once more with another distractor removed (leaving only the correct answer) and the student is asked to actively engage with the correct answer. If the student engages with the correct answer, a score of 1 point is recorded. If the student will not engage or actively refuses at any point within the Participatory-level item, the student receives a score of 0 points.

In summary, Florida Alternate Assessment grade-content tests can be thought of as 16-item tests, if the Participatory, Supported, and Independent items are considered in sets. The scoring rubric does just that

and treats each set as a polytomous item with six possible item scores: 0, 1, 2, 3, 6, or 9. The maximum possible total raw score is 144. The scoring rubric and directions on how to score each item in the assessment remain the same from one year to the next.

A visual depiction of this process is provided in Figure 3-1 and a sample mathematics item is provided in Appendix D.

Figure 3-1. 2013–14 Florida Alternate Assessment: Item Administration Process



3.3.2 Item Components

Each item set includes an overview, the Access Points to be assessed, and the materials needed. The components for each item set are listed below.

Materials	Access Point	Teacher Will	Student Will	Scoring

- The *Materials* column lists the materials needed for the item. The list indicates which materials are provided versus those the educator may need to gather from the classroom. The "Teacher-gathered" heading clearly defines any classroom materials (e.g., counters) educators must gather prior to the administration of an item. The names of graphic images are provided so that teachers can use standardized terminology as needed. The materials generally consist of picture cards, word/picture cards, word cards, sentence/picture strips, sentence strips, number cards, and equation strips.
- The *Access Point* column lists the Access Point that the item is targeting.
- The *Teacher Will* column consists of a clear set of directions for setting up the item and a script detailing what the teacher should say to the student.
- The *Student Will* column indicates the response that the educator needs to look for from the student, taking into consideration the mode of communication appropriate for each student.
- The *Scoring* column provides a space for the educator to mark the score the student received on the item.

3.4 CONTENT AND BLUEPRINTS

For reading and language arts, three reading strands are currently assessed: reading process, literary analysis, and, in grades 9 and 10, information and media literacy. Efforts were undertaken in 2008–09 to integrate a fourth strand, fluency, into the assessment by the development of embedded field-test items. The fluency strand requires students to read at the Supported and Independent levels of complexity on the Florida Alternate Assessment. For grades 3–5, this includes letters, words, and/or short sentences; for grades 6–10, students must read words, sentences, and/or paragraphs. Two writing strands are assessed: writing process and writing application.

Mathematics content is broken down into Big Ideas and Supporting Ideas for grades 3 through 8. There are three Big Ideas at each grade level and four Supporting Ideas that cover algebra, geometry and measurement, number and operations, and data analysis. In grades 9 and 10, content is structured in terms of six Secondary Bodies of Knowledge: algebra, discrete mathematics, geometry, probability, statistics, and financial literacy.

Science content is made up of four Bodies of Knowledge: nature of science, Earth and space science, physical science, and life science. There are 18 Big Ideas that span the four Bodies of Knowledge. All four Bodies of Knowledge are assessed at grades 5, 8, and 11.

Tables 3-1 through 3-10 show the blueprint charts for each content area. The 2013–14 administration included embedded field-test items in two forms of the assessment at each grade and content area. The following blueprint charts provide a breakdown of standards addressed for each content area. All common item standards are based on the Next Generation Sunshine State Standards Access Points on the Spring 2014 assessment. Common item standards are listed in a separate table from embedded field-test item standards for mathematics, writing, and reading because new development was based on the Common Core State

Standards. Science common and embedded field-test item standards are all based on Next Generation Sunshine State Standards Access Points; consequently, blueprint charts contain two numbers: the first number represents the number of common items (Com) and the second number represents the number of embedded field-test items (FT) developed for the 2014 operational assessment. Note that the final blueprint is identical to prior assessment years as it consists of 16 common items and 8 embedded field-test items per grade level and content area. Each form of the assessment at each grade level and content area was constructed from the 16 common items and 4 embedded field-test items. The field-test data are analyzed to assist in the construction of future tests by helping to ensure that the Participatory, Supported, and Independent items are of appropriate difficulty level and meet appropriate standards of quality (see Chapter 9). These data also perform a critical role in ensuring the comparability of tests across years (see Chapter 11).

Table 3-1. 2013–14 Florida Alternate Assessment: Reading Common Item Blueprint

Strand 1: Reading Process	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 5: Fluency	The student demonstrates the ability to read grade level text orally with accuracy, appropriate rate, and expression.							
	4	4	4	4	4	4	4	4
LA._.1.5.1*	4	4	4	4	4	4	4	4
Standard 6: Vocabulary Development	The student uses multiple strategies to develop grade appropriate vocabulary.							
	3	**3**	**3**	**3**	**3**	**3**	**3**	**0**
LA._.1.6.1					1	2	1	
LA._.1.6.3					2	1		
LA._.1.6.4				3				
LA._.1.6.5			1				2	
LA._.1.6.6		1	1					
LA._.1.6.7	1	1						
LA._.1.6.8	1	1	1					
LA._.1.6.10	1							
Standard 7: Reading Comprehension	The student uses a variety of strategies to comprehend grade level text.							
	3	**3**	**3**	**3**	**3**	**3**	**3**	**4**
LA._.1.7.2	1	1		1	1	1	1	1
LA._.1.7.3*	1	2	2	2	1	1	1	2
LA._.1.7.5	1		1			1		
LA._.1.7.7					1		1	1

* Fluency items (LA._1.5.1) are double tagged to reading comprehension benchmarks (LA_1.7.3).

Strand 2: Literary Analysis	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 1: Fiction	The student identifies, analyzes, and applies knowledge of the elements of a variety of fiction and literary texts to develop a thoughtful response to a literary selection.							
	3	4	3	3	3	3	3	3
LA._.2.1.1								
LA._.2.1.2		2		3	3	3		
LA._.2.1.5							3	3
LA._.2.1.6	3	2	3					
Standard 2: Non-Fiction	The student identifies, analyzes, and applies knowledge of the elements of a variety of nonfiction, informational, and expository texts to demonstrate an understanding of the information presented.							
	3	2	3	3	3	3	3	3
LA._.2.2.2	2	1		2	2	2	3	3
LA._.2.2.3	1	1	3	1	1	1		

Strand 6: Information and Media Literacy	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 2: Research Process	The student uses a systematic process for the collection, processing, and presentation of information.							
	0	0	0	0	0	0	0	2
LA._.6.2.2								1
LA._.6.2.3								1

Table 3-2. 2013–14 Florida Alternate Assessment: Reading Embedded Field-Test Item Blueprint

Common Core Anchor Standard	Common Core State Standard	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Literature: Key Ideas and Details	LACC._.RL.1.1	1			1		1	1	1
	LACC._.RL.1.2		2			1	1		1
	LACC._.RL.1.3			1	1	1		1	
Literature: Craft and Structure	LACC._.RL.2.4	1			1	1		1	1
	LACC._.RL.2.5		1					1	
	LACC._.RL.2.6			1			1		1
Literature: Integration of Knowledge and Ideas	LACC._.RL.3.7	1		1					
	LACC._.RL.3.8								
	LACC._.RL.3.9		1		1	1	1		
Informational: Key Ideas and Details	LACC._.RI.1.1		1				1	1	1
	LACC._.RI.1.2	1			1				1
	LACC._.RI.1.3			2		1		1	
Informational: Craft and Structure	LACC._.RI.2.4	2			1		1		
	LACC._.RI.2.5		1		1	1			1
	LACC._.RI.2.6			1		1	1	1	
Informational: Integration of Knowledge and Ideas	LACC._.RI.3.7		1		1				
	LACC._.RI.3.8	1				1			1
	LACC._.RI.3.9			1			1	1	
Phonics and Word Recognition	LACC._.RF.3.3	1	1	1					

Table 3-3. Florida Alternate Assessment: Writing Common Item Blueprint

Strand 3: Writing Process	GRADE 4	GRADE 8	GRADE 10
Standard 2: Drafting	The student will write a draft appropriate to the topic, audience, and purpose.		
	5	**0**	**0**
LA._.3.2.1	4		
LA._.3.2.2			
LA._.3.2.3	1		
Standard 3: Revising	The student will revise and refine the draft for clarity and effectiveness.		
	0	**4**	**4**
LA._.3.3.1		2	2
LA._.3.3.2		2	
LA._.3.3.4			2
Standard 4: Editing for Language Conventions	The student will edit and correct the draft for standard language conventions.		
	5	**4**	**5**
LA._.3.4.1	1		1
LA._.3.4.2	1	1	2
LA._.3.4.3	1	2	
LA._.3.4.4	1		2
LA._.3.4.5	1	1	
Standard 5: Publishing	The student will write a final product for the intended audience.		
	1	**0**	**0**
LA._.3.5.1	1		

Strand 4: Writing Applications	GRADE 4	GRADE 8	GRADE 10
Standard 1: Creative	The student develops and demonstrates creative writing.		
	5	**4**	**3**
LA._.4.1.1	5	4	3
Standard 2: Informative	The student develops and demonstrates technical writing that provides information related to real-world tasks.		
	0	**4**	**4**
LA._.4.2.1		2	
LA._.4.2.2		1	
LA._.4.2.3		1	
LA._.4.2.4			1
LA._.4.2.5			1
LA._.4.2.6			2

Table 3-4. 2013–14 Florida Alternate Assessment: Writing Embedded Field-Test Item Blueprint

Common Core Anchor Standard	Common Core State Standard	GRADE 4	GRADE 8	GRADE 10
Conventions	LACC._.L.1.1	1		1
	LACC._.L.1.2	1	1	
Text Type and Purposes	LACC._.W.1.1	1	1	1
	LACC._.W.1.2	1	1	1
	LACC._.W.1.3	1	1	1
Production and Distribution of Writing	LACC._.W.2.4	1	1	1
	LACC._.W.2.5	1	1	1
	LACC._.W.2.6			
Research to Build and Present Knowledge	LACC._.W.3.7	1	1	1
	LACC._.W.3.8		1	1
	LACC._.W.3.9			

Table 3-5. 2013–14 Florida Alternate Assessment: Mathematics Common Item Blueprint Grades 3–8

Big Idea 1	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
	Develop understandings of multiplication and division and strategies for basic multiplication facts and related division facts.	Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.	Develop an understanding of and fluency with division of whole numbers.	Develop an understanding of and fluency with multiplication and division of fractions and decimals.	Develop an understanding of and apply proportionality, including similarity.	Analyze and represent linear functions, and solve linear equations and systems of linear equations.
	5	**4**	**4**	**5**	**3**	**4**
MA._.A.01.01	2	4	4	3	2	1
MA._.A.01.02	2			2		
MA._.A.01.03	1				1	
MA._.A.01.05						3
Big Idea 2	Develop an understanding of fractions and fraction equivalence.	Develop an understanding of decimals, including the connection between fractions and decimals.	Develop an understanding of and fluency with addition and subtraction of fractions and decimals.	Connect ratio and rates to multiplication and division.	Develop an understanding of and use formulas to determine surface areas and volumes of three-dimensional shapes.	Analyze two- and three-dimensional figures by using distance and angle.
	2	**4**	**2**	**4**	**4**	**4**
MA._.A.02.01	2	2	1	3		
MA._.A.02.02			1	1		
MA._.A.02.03		1				
MA._.A.02.04		1				
MA._.G.02.01					1	1
MA._.G.02.02					3	1
MA._.G.02.04						2

Big Idea 3	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
	Describe and analyze properties of two-dimensional shapes.	Develop an understanding of area and determine the area of two-dimensional shapes.	Describe three-dimensional shapes and analyze their properties, including volume and surface area.	Write, interpret, and use mathematical expressions and equations.	Develop an understanding of operations on all rational numbers and solving linear equations.	Analyze and summarize data sets.
	5	**4**	**4**	**2**	**4**	**2**
MA._.A.03.01				1		
MA._.A.03.04						
MA._.A.03.06				1		
MA._.G.03.01	2	3	2		4	
MA._.G.03.02	1		2			
MA._.G.03.03	2	1				
MA._.S.03.01						1
MA._.S.03.02						1
Supporting Idea: Algebra	**1**	**1**	**2**	**0**	**0**	**2**
MA._.A.04.01	1		2			2
MA._.A.04.02		1				
Supporting Idea: Geometry and Measurement	**1**	**1**	**2**	**1**	**1**	**2**
MA._.G.04.01				1	1	2
MA._.G.04.02						
MA._.G.05.01						
MA._.G.05.02	1	1	2			
MA._.G.05.03						

Supporting Idea: Number and Operations	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
	1	**2**	**1**	**2**	**2**	**2**
MA._.A.05.01					1	
MA._.A.05.02				2	1	
MA._.A.06.01	1	1				
MA._.A.06.02			1			
MA._.A.06.04		1				2
Supporting Idea: Data Analysis	**1**	**0**	**1**	**2**	**1**	**0**
MA._.S.06.01				2		
MA._.S.06.02					1	
MA._.S.07.01	1		1			
Supporting Idea: Probability	**0**	**0**	**0**	**0**	**1**	**0**
MA._.P.07.01					1	

Table 3-6. 2013–14 Florida Alternate Assessment: Mathematics Embedded Field-Test Item Blueprint Grades 3–5

Domain/Anchor Standards	Common Core State Standard	GRADE 3	GRADE 4	GRADE 5
Operations and Algebraic Thinking	MACC._.OA.1.2		1	1
	MACC._.OA.1.3	1		
	MACC._.OA.3.5		1	
	MACC._.OA.4.9	1		
Number and Operations in Base 10	MACC._.NBT.1.2	1	1	
	MACC._.NBT.1.3			1
	MACC._.NBT.2.5		1	
	MACC._.NBT.2.6			1
Numbers and Operation – Fractions	MACC._.NF.1.1	1		
	MACC._.NF.1.2		1	1
	MACC._.NF.1.3	1		
	MACC._.NF.2.3		1	
	MACC._.NF.2.4			1
Measurement and Data	MACC._.MD.1.1		1	
	MACC._.MD.2.2			1
	MACC._.MD.2.3	1		
	MACC._.MD.3.3			1
	MACC._.MD.3.7	1		
Geometry	MACC._.G.1.1	1		
	MACC._.G.1.2		1	
	MACC._.G.2.4			1

Table 3-7. 2013–14 Florida Alternate Assessment: Mathematics Embedded Field-Test Item Blueprint Grades 6–8

Domain/Anchor Standards	Common Core State Standard	GRADE 6	GRADE 7	GRADE 8
Ratios and Proportional Relationships	MACC._.RP.1.1	1		
	MACC._.RP.1.3		1	
The Number System	MACC._.NS.1.1		1	1
	MACC._. NS.2.2	1		
	MACC._. NS.3.6	1		
Expressions and Equations	MACC._.EE.1.1		1	1
	MACC._.EE.1.2	1		
	MACC._.EE.2.4		1	
	MACC._.EE.2.7	1		
	MACC._.EE.3.7			1
Geometry	MACC._.G.1.1		1	
	MACC._.G.1.2	1		1
	MACC._.G.2.6		1	
	MACC._.G.2.7			1
Statistics and Probability	MACC._.SP.1.1	1		
	MACC._.SP.1.2			1
	MACC._.SP.2.4		1	
	MACC._.SP.2.5	1		
	MACC._.SP.3.5		1	
Functions	MACC._.F.1.1			1
	MACC._.F.2.5			1

Table 3-8. 2013–14 Florida Alternate Assessment: Mathematics Common Item Blueprint Grades 9–10

	GRADE 9	GRADE 10
Body of Knowledge: Algebra	**5**	**4**
Standard 1: Real and Complex Number Systems Expand and deepen understanding of real and complex numbers by comparing expressions and performing arithmetic computations, especially those involving square roots and exponents. Use the properties of real numbers to simplify algebraic expressions and equations, and convert between different measurement units using dimensional analysis.		
MA.912.A.01.01	1	
MA.912.A.01.04		
Standard 2: Relations and Functions Draw and interpret graphs of relations. Understand the notation and concept of a function, find domains and ranges, and link equations to functions.		
MA.912.A.02.02	1	
MA.912.A.02.03	1	
Standard 3: Linear Equations and Inequalities Solve linear equations and inequalities.		
MA.912.A.03.01	1	
MA.912.A.03.02		
MA.912.A.03.03	1	
Standard 4: Polynomials Perform operations on polynomials. Find factors of polynomials, learning special techniques for factoring quadratics. Understand the relationships among the solutions of polynomial equations, the zeros of a polynomial function, the x-intercepts of a graph, and the factors of a polynomial.		
MA.912.A.04.01		1

	GRADE 9	GRADE 10
Standard 5: Rational Expressions and Equations Simplify rational expressions and solve rational equations using what has been learned about factoring polynomials.		
MA.912.A.05.01		1
Standard 6: Radical Expressions and Equations Simplify and perform operations on radical expressions and equations. Rationalize square root expressions and understand and use the concepts of negative and rational exponents. Add, subtract, multiply, divide, and simplify radical expressions and expressions with rational exponents. Solve radical equations and equations with terms that have rational exponents.		
MA.912.A.06.01		1
Standard 7: Quadratic Equations Draw graphs of quadratic functions. Solve quadratic equations and solve these equations by factoring, completing the square, and by using the quadratic formula. Use graphing calculators to find approximate solutions of quadratic equations.		
MA.912.A.07.01		1
MA.912.A.07.08		
Standard 10: Mathematical Reasoning and Problem Solving In a general sense, all of mathematics is problem solving. In all of mathematics, use problem-solving skills, choose how to approach a problem, explain the reasoning, and check the results.		
MA.912.A.10.02		
Body of Knowledge: Discrete Mathematics	**2**	**0**
Standard 7: Set Theory Operate with sets, and use set theory to solve problems.		

	GRADE 9	GRADE 10
MA.912.D.07.01	1	
MA.912.D.07.02	1	
Body of Knowledge: Financial Literacy	**4**	**4**
Standard 1: Simple and Compound Interest Simple and Compound Interest		
MA.912.F.01.01	1	
MA.912.F.01.03		1
Standard 2: Net Present and Net Future Value (NPV and NFV) Net Present and Net Future Value (NPV and NFV)		
MA.912.F.02.01	1	
MA.912.F.02.02		1
Standard 3: Loans and Financing Become familiar with and describe the advantages and disadvantages of short-term purchases, long-term purchases, and mortgages.		
MA.912.F.03.01		2
MA.912.F.03.03	1	
MA.912.F.03.04	1	

	GRADE 9	GRADE 10
Body of Knowledge: Geometry	**5**	**4**
Standard 1: Points, Lines, Angles, and Planes Understand geometric concepts, applications, and their representations with coordinate systems. Find lengths and midpoints of line segments, slopes, parallel and perpendicular lines, and equations of lines. Using a compass and straightedge, patty paper, a drawing program or other techniques, construct lines and angles, explaining and justifying the processes used.		
MA.912.G.01.01		
MA.912.G.01.04	1	
Standard 2: Polygons Identify and describe polygons (triangles, quadrilaterals, pentagons, hexagons, etc.), using terms such as regular, convex, and concave. Find measures of angles, sides, perimeters, and areas of polygons, justifying the methods used. Apply transformations to polygons. Relate geometry to algebra by using coordinate geometry to determine transformations. Use algebraic reasoning to determine congruence, similarity, and symmetry. Create and verify tessellations of the plane using polygons.		
MA.912.G.02.02	1	
MA.912.G.02.05	1	
Standard 3: Quadrilaterals Classify and understand relationships among quadrilaterals (rectangle, parallelogram, kite, etc.). Relate geometry to algebra by using coordinate geometry to determine regularity, congruence, and similarity. Use properties of congruent and similar quadrilaterals to solve problems involving lengths and areas, and prove theorems involving quadrilaterals.		
MA.912.G.03.01	1	

	GRADE 9	GRADE 10
Standard 4: Triangles Identify and describe various kinds of triangles (right, acute, scalene, isosceles, etc.). Define and construct altitudes, medians, and bisectors, and triangles congruent to given triangles. Prove that triangles are congruent or similar and use properties of these triangles to solve problems involving lengths and areas. Relate geometry to algebra by using coordinate geometry to determine regularity, congruence, and similarity. Understand and apply the inequality theorems of triangles.		
MA.912.G.04.01	1	
MA.912.G.04.06		
Standard 5: Right Triangles Apply the Pythagorean Theorem to solving problems, including those involving the altitudes of right triangles and triangles with special angle relationships. Use special right triangles to solve problems using the properties of triangles.		
MA.912.G.05.02		1

	GRADE 9	GRADE 10
Standard 6: Circles Define and understand ideas related to circles (radius, tangent, chord, etc.). Perform constructions, and prove theorems related to circles. Find measures of arcs and angles related to them, as well as measures of circumference and area. Relate geometry to algebra by finding the equation of a circle in the coordinate plane.		
MA.912.G.06.02		
MA.912.G.06.05		1
Standard 7: Polyhedra and Other Solids Describe and make regular and nonregular polyhedra (cube, pyramid, tetrahedron, octahedron, etc.). Explore relationships among the faces, edges, and vertices of polyhedra. Describe sets of points on spheres, using terms such as great circle. Describe symmetries of solids, and understand the properties of congruent and similar solids.		
MA.912.G.07.03		
MA.912.G.07.05		1
Standard 8: Mathematical Reasoning and Problem Solving In a general sense, mathematics is problem solving. In all mathematics, use problem-solving skills, choose how to approach a problem, explain the reasoning, and check the results. At this level, apply these skills to making conjectures, using axioms and theorems, constructing logical arguments, and writing geometric proofs. Learn about inductive and deductive reasoning and how to use counterexamples to show that a general statement is false.		
MA.912.G.08.02		1
Body of Knowledge: Probability	**0**	**2**
Standard 1: Counting Principles Understand the counting principle, permutations, and combinations, and use them to solve problems.		
MA.912.P.01.02		

Standard 2: Determining Probabilities Develop rules for finding probabilities of combined and complementary events. Understand and use conditional probability and the related Bayes' Theorem.		
MA.912.P.02.02		2
Body of Knowledge: Statistics	**0**	**2**
Standard 3: Summarizing Data (Descriptive Statistics) Learn to work with summary measures of sets of data, including measures of the center, spread, and strength of relationship between variables. Learn to distinguish between different types of data and to select the appropriate visual form to present different types of data.		
MA.912.S.03.01		1
MA.912.S.03.03		1
MA.912.S.03.05		

Table 3-9. 2013–14 Florida Alternate Assessment: Mathematics Embedded Field-Test Item Blueprint Grades 9–10

Domain/Anchor Standards	Common Core State Standard	GRADE 9	GRADE 10
Number and Quantity	MACC._.N-Q.1.1	1	
	MACC._.N-CN.3.7		1
Algebra	MACC._.A-SSE.2.3	1	
	MACC._. A-APR.1.1		1
	MACC._. A-CED.1.1	1	
	MACC._. A-CED.1.2		1
Functions	MACC._.F-IF.1.1	1	
	MACC._.F-IF.2.4		1
	MACC._.F-LE.1.1		1
Geometry	MACC._.G-CO.1.1	1	
	MACC._.G-CO.1.2		1
	MACC._.G-SRT.1.2	1	
	MACC._.G-GMD.1.3		1
	MACC._.G-MG.1.1	1	
Statistics and Probability	MACC._.S-ID.1.1	1	
	MACC._.S-ID.1.2		1

Table 3-10. 2013–14 Florida Alternate Assessment: Science Common Item and Embedded Field-Test Blueprint

Body of Knowledge: Nature of Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	3	1	3	3	3	2
Big Idea 1: The Practice of Science Scientific inquiry is a multifaceted activity. The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.	2		1	2	2	1
Big Idea 2: The Characteristics of Scientific Knowledge Scientific knowledge is based on empirical evidence, and is appropriate for understanding the natural world, but it provides only a limited understanding of the supernatural, aesthetic, or other ways of knowing, such as art, philosophy, or religion.	1	1				
Big Idea 3: The Role of Theories, Laws, Hypotheses, and Models The terms that describe examples of scientific knowledge, for example; "theory," "law," "hypothesis," and "model" have very specific meanings and functions within science.					1	1
Big Idea 4: Science and Society As tomorrow's citizens, students should be able to identify issues about which society could provide input, formulate scientifically investigable questions about those issues, construct investigations of their questions, collect and evaluate data from their investigations, and develop scientific recommendations based upon their findings.			2	1		

Body of Knowledge: Earth and Space Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	4	3	3	1	3	3
Big Idea 5: Earth in Space and Time Humans continue to explore Earth's place in space. Gravity and energy influence the formation of galaxies, including our own Milky Way Galaxy, stars, the Solar System, and Earth. Humankind's need to explore continues to lead to the development of knowledge and understanding of our Solar System.			**3**	**1**		
Big Idea 6: Earth Structure Humans continue to explore the composition and structure of the surface of the Earth. External sources of energy have continuously altered the features of Earth by means of both constructive and destructive forces. All life, including human civilization, is dependent on Earth's water and natural resources.					**1**	**1**
Big Idea 7: Earth Systems and Patterns Humans continue to explore the interactions among water, air, and land. Air and water are in constant motion that results in changing conditions that can be observed over time.	**4**	**3**			**2**	**2**

Body of Knowledge: Physical Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	5	3	7	3	4	3
Big Idea 8: Properties of Matter All objects and substances in the world are made of matter. Matter has two fundamental properties: matter takes up space and matter has mass.			5	2		
Big Idea 9: Changes in Matter Matter can undergo a variety of changes.			2	1		
Big Idea 10: Forms of Energy Energy is involved in all physical processes and is a unifying concept in many areas of science.	3	1			2	2
Big Idea 11: Energy Transfer and Transformations Waves involve a transfer of energy without a transfer of matter.	1					
Big Idea 12: Motion of Objects Motion is a key characteristic of all matter that can be observed, described, and measured.					2	1
Big Idea 13: Forces and Changes in Motion It takes energy to change the motion of objects.	1	2				

Body of Knowledge: Life Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	4	1	3	1	6	0
Big Idea 14: Organization and Development of Living Organisms All plants and animals, including humans, are alike in some ways and different in others.	3				2	
Big Idea 15: Diversity and Evolution of Living Organisms Earth is home to a great diversity of living things, but changes in the environment can affect their survival.					2	
Big Idea 16: Heredity and Reproduction Offspring of plants and animals are similar to, but not exactly like, their parents or each other.					2	
Big Idea 17: Interdependence Plants and animals, including humans, interact with and depend upon each other and their environment to satisfy their basic needs.	1	1				
Big Idea 18: Matter and Energy Transformations Living things all share basic needs for life.			3	1		

CHAPTER 4 TEST DEVELOPMENT

4.1 GENERAL PHILOSOPHY

As noted previously, the Florida Alternate Assessment is intended to provide students with significant cognitive disabilities the opportunity to participate in a statewide assessment that is both meaningful and academically challenging. Given the wide diversity of this student population, great emphasis is placed on ensuring the Florida Alternate Assessment is appropriate and accessible to all students. The assessment design allows students to progress through three levels of complexity in an item set (Participatory, Supported, and Independent). Participatory-level Access Points demand the lowest level of knowledge and skills and therefore provide students with the greatest access while still maintaining an academic foundation.

In order to ensure that the assessment items are written in a manner that supports the assessment's design, the item-development process is an iterative one that allows multiple opportunities for review of the items by Measured Progress Content, Design & Development (CDD) staff, Special Education staff, Editorial staff, as well as review by staff from the FLDOE. In addition to the Measured Progress and the FLDOE item-review process, separate committees composed of various Florida stakeholders also evaluate passages and items for content and bias. These committee members serve as advisors during development and represent different school cultures and diverse student populations. This multistage development and review process provides ample opportunity to evaluate items for their accessibility, appropriateness, and adherence to the principles of Universal Design. In this way, accessibility emerges as a primary area of consideration throughout the item-development process. This is critical in developing an assessment that allows for the widest range of student participation, as educators seek to provide access to the general education curriculum and foster higher expectations for students with significant cognitive disabilities.

4.2 ROLE OF COMMITTEES IN TEST DEVELOPMENT

4.2.1 Internal Item Review

Items were initially developed by Measured Progress CDD staff. It was the responsibility of the lead developer assigned to each content area to oversee all item development within that area for the Florida Alternate Assessment. After an item was developed and reviewed by the lead developer, the item was further reviewed by a special education specialist. The lead developer was responsible for making sure that the item stayed true to the content of the Access Points it was assessing, and the special education specialist reviewed the item for the appropriateness of the topics used, materials required, and accessibility of the item for the population of students with significant cognitive disabilities. Items were also reviewed to ensure that they met

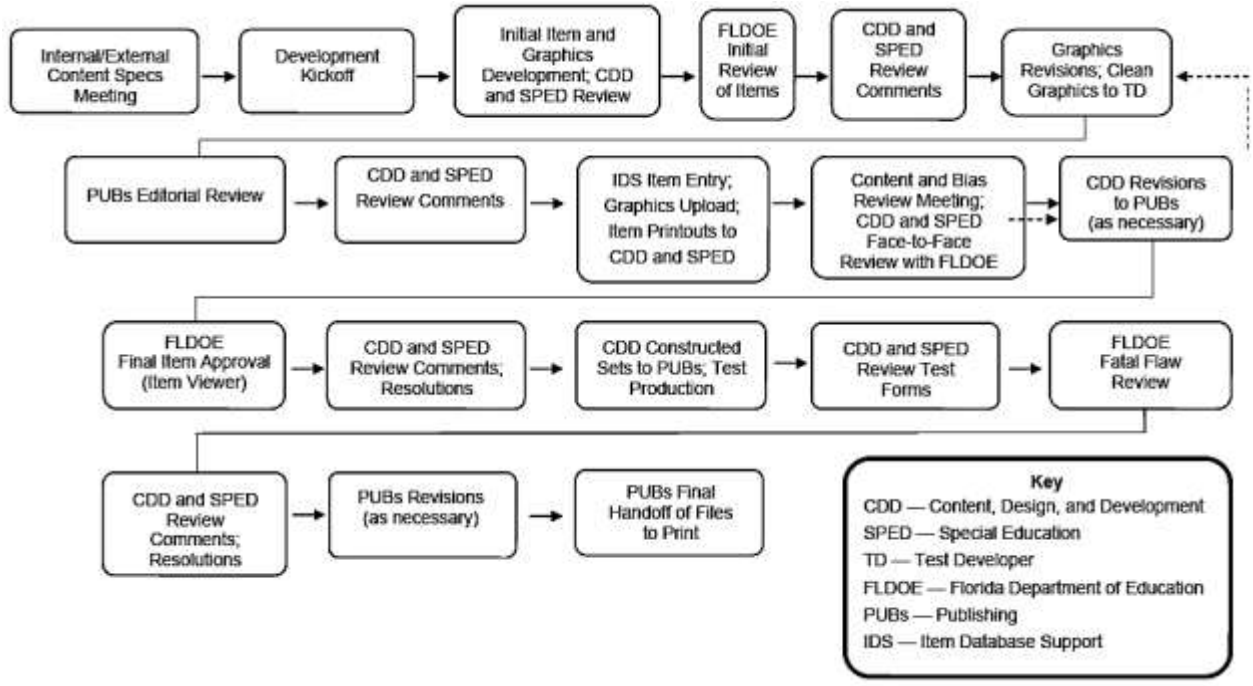
the item specifications. Items were further reviewed by editorial staff to maintain consistency of language across the items and content areas.

Item specifications for the 2013–14 Florida Alternate Assessment were developed and included in the document *Florida Alternate Assessment Test Designs, Blueprints, and Item Specifications for Reading, Writing, Mathematics, and Science: 2013–2014 Assessment*. The specifications document was approved by the FLDOE prior to the start of item development in January 2013. The specifications document outlines a variety of item details such as the length and readability of passages for the reading portion of the test, the types of distractors at each level of complexity, parameters for graphics, and the appropriateness of topics for students being assessed through an alternate assessment. The specifications document was revised in 2012–13 to address measurement of fluency skills in grades 6 through 10. Items that measure fluency require the student to independently read text and then respond to basic reading comprehension questions. These items are now coded to both the Fluency and Reading Comprehension standards. The method by which passage readabilities is determined was updated to include supplemental considerations such as the impact of word count and uncommon words on short passages found in grades 3 through 6.

Depth of Knowledge (DOK) and the Presentation Rubric collectively make up Complexity Indices specific to the Florida Alternate Assessment. DOK has been a part of the specifications document since 2008–09. The Presentation Rubric was first developed in 2011–12 and existed as a stand-alone document until the Rubric was more solidified. From 2011–12 to 2012–13, the Presentation Rubric was enhanced based on discussions with the FLDOE and feedback received from the Advisory Committee (e.g., sample administration scripts and corresponding stimulus/response options were added to Volume of Information; clarifying examples were added to Vocabulary and Context, respectively). The item specifications document can be found in Appendix C.

Figure 4-1 provides a flowchart outlining the item-development process. There were multiple opportunities within the process for CDD and Special Education staff collaboration on item development, as well as for FLDOE, Publishing department, and stakeholder review of items. This iterative process between Measured Progress staff, the FLDOE, and stakeholders ensured quality items were developed that reflect the standards, specifications, and intentions set forth by the FLDOE.

Figure 4-1. 2013–14 Florida Alternate Assessment: Item-Development Process



4.2.2 External Item Review

The FLDOE participated in the review of newly constructed field-test items at three distinct times: early item development, late item development, and late test production. The first review was held March 12–April 23, 2013. Eight field-test items per content area and grade were posted in a staggered fashion to the Measured Progress file transfer protocol (FTP) site. The FLDOE had the opportunity to evaluate the design and content of items by reviewing item tables and non-scaled graphic artwork/text response choices at each level of complexity. Comments were drawn up within an electronic file by the FLDOE and submitted to the Measured Progress special education specialist to review in conjunction with the respective content-area specialists from CDD. The special education specialist provided a list of resolutions to the FLDOE to confirm the type and extent of changes made to items.

During the second review phase, eight field-test items per content area were posted in a staggered fashion by grade to the Client Item Viewer throughout the window of July 9–August 29, 2013. During this time, the FLDOE had the opportunity to post electronic comments specific to an item table and non-scaled graphic artwork/text response options at each level of complexity. Comments were reviewed by the special education specialist in conjunction with the respective content-area specialist from CDD at Measured Progress. The special education specialist provided a list of resolutions to the FLDOE to confirm the type and extent of changes made to items. The third phase of FLDOE review occurred during the fatal flaw process

held September 24–November 13, 2013. Unbound paper copies of both forms of the assessment, complete with scaled item tables, graphic artwork, and text was provided to the FLDOE. All item tables were numbered and ordered to denote item position, cut-out cards/strips were positioned in a six-up and three-up layout, respectively, and naming conventions were present on the back of all cut-outs (grade, content area, item number, and level of complexity) as a realistic representation of the files destined to go to print. The FLDOE provided fatal flaw comments to Measured Progress in an electronic format. Comments were reviewed by the special education specialist in conjunction with the respective content-area specialist from CDD at Measured Progress. The special education specialist provided a list of resolutions to the FLDOE to confirm the type and extent of changes made to items.

4.2.3 Passage Bias and Sensitivity Review

Issues of bias in test materials are of particular concern because an important tenet of assessment is to ensure that all students have an equal opportunity to demonstrate their knowledge and skills. The Passage Bias and Sensitivity Review Committee met once via videoconference on March 14, 2013 prior to development of embedded field-test items. At this meeting, the committee had two tasks. The first task was to review the *Bias and Sensitivity Guidelines for the Development of the Florida Alternate Assessment*. The second task was to review the reading passages, graphics, and graphic captions (read aloud to students with visual impairments) to determine if they were likely to place a particular group of students at an advantage or disadvantage for noneducational reasons. Emphasis was placed on the accessibility of the reading passages for the population of students in alternate assessment.

The Passage Bias and Sensitivity Review Committee consisted of six individuals selected to participate by the FLDOE (see list in Appendix A, Table 3). They included four special education teachers, two of whom had experience in teaching students with hearing and/or vision impairments. One committee member had experience in teaching students with multi-varying exceptionalities and one committee member had experience in teaching students with specialized varying exceptionalities. A representative from the FLDOE Bureau of Exceptional Education and Student Services (BEESS) with specialized experience in vision impairments, deaf/hard of hearing, and dual sensory impairments participated on the panel. A representative from the FLDOE Bureau of Student Achievement through Language Acquisition also participated on the panel. The Measured Progress assistant director of special education, special education specialist, and lead developer for reading were also present, along with additional staff from the FLDOE.

Committee members reviewed the reading passages, associated graphics, and passage captions. They made recommendations when they believed a particular portion of a passage showed bias toward a certain disability group, such as students with low hearing or low vision. Another area of recommendation involved age-appropriateness and a review of whether or not the majority of students would have exposure to a topic or activity presented in a passage. For example, a grade 10 passage originally focused on getting a good night's sleep. Committee members raised concern that students participating in the assessment do not have a frame of

reference because often children with disabilities suffer from sleep complications as a result of their disability. Committee members also provided suggestions to decrease the use of numerical data in select passages in grades 8–10. The FLDOE asked that one grade 5 passage and three grade 3 passages be replaced due to the number of passages with animal topics or themes. The majority of passages were accepted as is; a few were revised based on the provided bias and sensitivity guidelines. All information from the bias meeting was compiled, passages were marked as accepted or rejected, and any revisions were noted. This record was shared with the FLDOE staff.

4.2.4 Item Content and Bias Sensitivity Reviews

Items developed for the 2013–14 Florida Alternate Assessment were reviewed for content and bias at a meeting held June 10–14, 2013, in Orlando. Content panels attended group orientation training and separately reviewed reading, writing, mathematics, and science items for content, alignment to the Access Points, and appropriateness for the population of students being assessed. Bias and sensitivity groups reviewed reading and writing items or science and mathematics items. Item content review coincided with item bias and sensitivity review. Each content and bias panel consisted of elementary, middle school, and high school special educators and content-area educators. A minimum of one expert on hearing and/or vision issues served on each bias panel. An expert on vision issues, serving as a consultant to the FLDOE, circulated throughout the work groups to observe the process and act as a supplementary resource for vision-related questions. (See Appendix A, Tables 4–9 for the list of panelists.)

Item Content Review panels were facilitated by the lead test developer for each content area. The Measured Progress Special Education Specialist who had significant involvement in overseeing item development, item review, and writing the administration manual for the Florida Alternate Assessment was also present to assist as needed. For each item, panelists were asked to ensure that the Access Points were addressed, to review and clarify text in the "Teacher will" column describing what the teacher should do and say, to make sure there was only one correct answer, to review the graphics for clarity, and to discuss ratings of DOK and the Presentation Rubric within items (from Participatory to Independent) and across the grade levels. Special attention was paid to DOK and Presentation Rubric item ratings, as this was an area that Measured Progress and FLDOE staff had focused on during the development process. Recommendations by the panelists were written on each of the items prior to group discussion. The collective recommendations were recorded by the facilitator.

Item Bias and Sensitivity Review panels were facilitated by a Measured Progress assistant director, who had extensive experience facilitating bias and sensitivity review panels for other state alternate assessment programs, and the program manager for the Florida Alternate Assessment. Panelists were asked to review the items to determine if they were likely to place a particular group of students at an advantage or disadvantage for noneducational reasons. Panelists were also asked to look at both the items and the graphics related to each item. Recommendations by the panelists were written on each of the items prior to group

discussion. The collective recommendations were recorded by the facilitator. The Item Content and Bias Sensitivity Review committees completed all of the tasks put before them and teachers were pleased to be a part of the process. Feedback received from each of the content review and bias review panels is compiled in Appendix E.

After the panelists completed their content-area review, Measured Progress staff, including the developers, special education specialist, assistant director of special education, and program manager, along with a consultant with expertise on vision issues, and FLDOE staff met to review the panelists' recommendations and make final decisions on each of the items. The recommendations centered around both content and bias issues, such as simplifying graphics, changing distractors that might pose issues for students with hearing and/or visual impairments, reducing the complexity of the materials and/or distractors, and making minor changes to DOK and/or the Presentation Rubric ratings initially issued by the test developer during item development.

4.2.5 Edits and Refinements

Following the item content and bias sensitivity reviews, any revisions as an outcome of the committee meetings and FLDOE decisions were made. The items, once revised, were posted to the Client Item Viewer for final approval by the FLDOE. Items and passage graphic captions then went through an editorial review process in which the keys and item specifications were checked and any issues found were corrected.

CHAPTER 5 TRAINING AND ADMINISTRATION

5.1 ADMINISTRATOR TRAINING

5.1.1 Professional Development

A train-the-trainer model workshop was provided by Measured Progress for approximately 17 individuals in July 2013. Full-day training was provided to district trainers or their designees, who had never attended an orientation train-the-trainer workshop and/or had little experience with the Florida Alternate Assessment.

The train-the-trainer workshop was provided by the Measured Progress Director of Special Education who had involvement in the development, item review, and writing of the administration manual for the Florida Alternate Assessment. Attendees worked in small groups to brainstorm questions related to the Florida Alternate Assessment at the beginning of training. The training included an overview of the administration manual; a review of administration instructions and examples for how to read tables, charts, graphs, and diagrams aloud to students; and a review of key sections such as the scoring rubric and directions, assessment timelines, and accommodations. Attendees were also provided an opportunity to participate in a group activity to gain hands-on experience with the 2012–13 Florida Alternate Assessment Practice Materials. A large group discussion was held at the end of the training whereby the Measured Progress Special Education Specialist and FLDOE staff provided answers to questions generated earlier in the day. The PowerPoint presentation used for the training included a detailed notes section that directed trainers on what to say and how to present the training. (See Appendix E for feedback related to the train-the-trainer sessions.)

Following the train-the-trainer sessions, the *Florida Alternate Assessment Teacher Administration Manual 2013–2014* and practice materials for the 2013–14 school year were sent to district alternate assessment coordinators for distribution to trainers and teachers involved in the administration of the alternate assessment. In addition to printed materials, an electronic version of the updated administration manual was made available to district alternate assessment coordinators and teachers on the FLDOE website (http://www.fldoe.org/asp/altassessment.asp-).

5.1.2 Online Assbessment Administration Update Training

Online assessment administration update training was provided for teachers who previously attended full orientation administration training in prior years and who were scheduled to administer the Florida

Alternate Assessment in the 2013–14 school year. Measured Progress and the FLDOE worked together to revise the three separate online training modules offered the prior year. The modules were composed of PowerPoint slides with a voice-over narrative; closed-captioning was provided for teachers with hearing impairments. The online training modules were designed to closely follow the information provided in the *Florida Alternate Assessment Administration Manual 2013–14*. Teachers were encouraged to have a copy of the manual available while completing the modules. At the end of each module, teachers were required to complete a brief quiz consisting of three questions related to the information presented, as well as enter their contact information. At the end of Module 3, teachers were asked to complete a brief online feedback survey on the training. Each module required approximately 20 to 25 minutes to complete. An outline of the information covered in each training module is provided below.

- Module 1: Assessment Overview
  - Teacher Administration Manual and What's New
  - Assessment Participation Checklist
  - Administrator Qualifications
  - Assessment Timelines
  - Assessment Components and Test Forms
  - Scoring and Scannable Student Answer Sheet
  - Test Security
  - Training Module 1 Quiz (3 questions)
- Module 2: Administration Review & Highlights
  - Before, During, and After Administration
  - Item Script and Repeating Items
  - Cues, Prompting, Reinforcement, and Encouragement
  - Reading Tables, Charts, Graphs, and Diagrams
  - Content-Specific Directions
  - Laying out Cards, Strips, and Teacher-Gathered Materials
  - Training Module 2 Quiz (3 questions)
- Module 3: Scoring and Allowable Adjustments/Accommodations
  - Scoring Rubric and Directions
  - Scaffolding at the Participatory Level of Complexity
  - Important Scoring Reminders
  - Allowable Adjustments
  - Accommodations and Criteria for Use
  - Recommended Training Activities

- Training Module 3 Quiz (3 questions)
- Online Training Feedback Survey (5 questions)

The online training modules were available to trainers 24 hours a day, 7 days a week, for a two-week window starting October 1 through 16, 2013. The online training modules were available to teachers for a 19-week window, starting October 21, 2013 through February 21, 2014. In addition to the modules, additional administration training resources (e.g., list of helpful hints and lessons learned, training activities, and checklists) were also available online for teachers. District-level personnel were responsible for ensuring that teachers who were scheduled to administer the Florida Alternate Assessment for the 2013–14 school year and who had received full orientation administration training in prior years, attended either a face-to-face update training or completed all three of the new online assessment administration update training modules.

Measured Progress used the contact information teachers entered after completing each module to send each district a list of teachers who had completed one or more of the three training modules twice during the online training window. District personnel were then required to follow-up with any teachers who had not yet completed all three modules in an effort to ensure all applicable teachers completed the online training prior to the close of the training window.

After the online training window closed, Measured Progress provided the FLDOE and each district's alternate assessment coordinator with a final district-level summary report listing teachers who had completed each of the three modules. Along with the online training teacher completion data, a district-level summary report of teacher performance on all three module quizzes was provided. Additionally, Measured Progress provided a state-level summary of online training teacher completion data and quiz performance. A total of 4,249 teachers from 64 districts completed the online administration training modules. A total of 3,926 teachers completed a five-question feedback survey —results were shared and discussed with the FLDOE in an effort to improve future trainings. Survey results can be found in Appendix E.

5.1.3 Administration Manual

The *Florida Alternate Assessment Administration Manual 2013–2014* includes sections that outline the assessment and its purpose, the participation criteria for the assessment, the general administration procedures and materials of the assessment, the content-specific directions needed for the assessment, the scoring rubric and directions on how to score each item in the assessment, directions on how to fill out the student answer document, sample items and criteria, and allowable accommodations for specific sectors of the student population. The scoring rubric and directions on how to score each item in the assessment remain the same from one year to the next.

The "What's New for 2013–2014?" resource is located at the beginning of the administration manual and designed to highlight current year updates to administration guidelines and practices for the Florida Alternate Assessment. A table detailing important assessment-related dates for the 2013–14 school year was

updated as a reference for teachers to know when accommodated versions of the alternate assessment (e.g., Braille and tactile graphic materials, one-sided response booklets) should be ordered through their district alternate assessment coordinator; general time lines related to the assessment administration window were outlined as a general reference. Teachers were advised to remove and use the "What's New for 2013–2014?" resource from the manual during administration. Teachers were advised to review instructions on how to read tables, charts, graphs, and diagrams aloud to students and to read the Accommodations and Criteria for Use section carefully. Teachers were also reminded to retain and use Practice Materials from one year to the next and were provided the expectation for the timing and distribution of two administration support documents: *Florida Alternate Assessment 2014 Object Exchange List* and *Florida Alternate Assessment 2014 List of Cards and/or Strips and Teacher-Gathered Materials by Item*.

As described in Chapter 1, the administration manual was updated to include an appendix detailing the CCSS addressed by the embedded field-test items in the Spring 2014 alternate assessment. A copy of these materials can be found on the FLDOE website at (http://www.fldoe.org/asp/altassessment.asp). The goal of adding the information to the administration manual was to ensure all educators who administer the assessment were able to prepare their students for the new standards. To ensure teachers follow consistent administration practices, detailed instructions on how to present paired passage activities to students and how to read dot plots, line plots, number lines, and coordinate graphs to students were also added to the administration manual. The remainder of the administration manual was largely unchanged for 2013–14.

The administration manual was distributed to teachers in September 2013. A teacher self-reflection checklist was included for use prior to and during the administration of the assessment. Further guidance was provided for the administration and scoring of open-response writing items and also on the appropriate way to read tables and charts aloud to the student. A list of the open-response writing topics was provided to teachers so that instruction in the vocabulary required to respond to the topics and any necessary programming of assistive technology devices for the topics could occur prior to the assessment administration.

5.1.4 Practice Materials

The *Florida Alternate Assessment Practice Materials 2013–2014* were provided in three separate grade-span kits. One kit included two practice items for each applicable content area in grades 3, 4, and 5; the second kit included two practice items for each applicable content area in grades 6, 7, and 8; and a third kit included two practice items for each applicable content area in grades 9, 10, and 11. Released items from the Spring 2013 Florida Alternate Assessment were selected to be used as practice items. Approximately 1,750 of each kit type (5,250 total kits) were distributed to teachers throughout the state.

Practice materials, along with the administration manual, were shipped as separately prepared units to districts at the beginning of the 2014–14 school year. Measured Progress provided Braille and tactile graphics practice materials to teachers as needed. Teachers were advised to use practice materials in conjunction with the administration manual to provide teachers and students the opportunity to become familiar with the

assessment materials, administration of the assessment, the type of preparation needed by the teacher, the anticipated student mode of communication for answering selected-response and open-response items, pacing, and administration duration. Over time, the released items from practice materials distributed in prior school years create a comprehensive released-item bank. Teachers were advised to keep practice materials and use them as a future resource at convenient times within the classroom to achieve greater familiarity with the Florida Alternate Assessment.

5.2 OPERATIONAL TEST ADMINISTRATION

As mentioned previously, the 2013–14 Florida Alternate Assessment consisted of 16 common items and 4 embedded field-test items for each test in reading and mathematics in grades 3 through 10; writing in grades 4, 8, and 10; and science in grades 5, 8, and 11. There were two forms of each grade-level and content-area test administered. The test was administered between February 24 and April 4, 2014, to between 2,400 and 2,700 students in each grade level. See Figure 2-1 for the number of students assessed by grade level. A summary of student participation across grades by demographic category is provided in Appendix B.

5.2.1 Operational Test Survey Results

An online survey was conducted from February 24 through April 9, 2014. It is unclear how many teachers administered the assessment; however, approximately 514 educators who administered the assessment participated in the General Survey. The General Survey asked educators to provide demographic information such as school district, number of years teaching, and number of years teaching students with significant cognitive disabilities. Educators were also asked whether they participated in the Spring 2013 administration of the Florida Alternate Assessment and if they had attended additional administration training since the Spring 2013 assessment. Feedback on the administration process, including the clarity of the updated administration manual directions and the ease of the administration process, was also collected. After completing the General Survey, teachers had the opportunity to participate in the Student Specific Survey and the Item Specific Survey. A separate link to a web page built to direct teachers to the Student Specific and Item Specific Surveys was available to teachers who wanted to return to complete either survey at a later time.

The Student Specific Survey asked teachers to provide background information, such as total number of years teaching students with significant cognitive disabilities and total number of students the teacher assessed. From this point onward, the teacher was asked to provide information for a particular student, including demographic information, if the item prompt “show me/tell me” was easily replaced to match the student’s response mode, and if the student received accommodations as outlined in the administration manual. In addition, teachers were asked about the amount of time it took to administer the assessment to their students in each applicable content area, and how many breaks students needed in each content area. Teachers had the opportunity to provide feedback on up to three students.

The Item Specific Survey allowed teachers to comment on assessment items by grade, content area, and form (i.e., Form A or Form B). For each respective Participatory, Supported, or Independent level of complexity item in an item set, teachers had the opportunity to review constructive comments related to graphics, item script, teacher direction, and alignment to the Access Point before deciding whether to check off any/all comments and/or leave open-response feedback. There were less than six responses for any item on the 2013–14 assessment. A portion of the survey results can be found in Appendix E.

CHAPTER 6 SCORING

6.1 DECISION RULES FOR SCORING

To receive a valid score for a grade-relevant academic area, all 16 core items must be completed correctly on the Answer Sheet. The test administrator scores the assessment as he or she administers it.

The following list describes situations in which a valid score for a specific academic area cannot be achieved:

- **"Do Not Score" Bubble Filled In**—A total score cannot be calculated for any academic areas (complete or incomplete) on an answer sheet marked "DNS" (DO NOT SCORE). The DNS bubble is located at the bottom of page 1 of the student answer sheet. Teachers are asked to mark the DNS bubble if the answer sheet is defective, soiled, or incorrectly completed.
- **Missing Student Grade**—A total score cannot be calculated for any academic areas (complete or incomplete) on an answer sheet for which the student's grade has not been marked.
- **Incomplete Academic Area**—A total score cannot be calculated for an academic area unless all 16 core items have been completed. Partially completed academic areas with fewer than 16 core items bubbled are labeled NS (i.e., No Score—not enough data to calculate a score).
- **Multiple Responses Bubbled for an Item**—A total score cannot be calculated for an academic area if more than one answer has been bubbled in for any core item. An item-level score cannot be determined if an item has more than one answer. The academic area is therefore labeled NS (i.e., No Score—not enough data to calculate a score).
- **Academic Area Not Completed**—A total score cannot be calculated for academic area(s) where no items have been completed in the corresponding section on the answer sheet. This includes answer sheets where incorrect academic area(s) have been completed (e.g., reading academic area completed instead of science for a grade 11 student) or partially completed student answer sheets where at least one grade-relevant academic area has not been completed (e.g., only the reading academic area is completed for a grade 3 student). The academic area(s) that were not completed are labeled NA (i.e., Not Assessed).

See Figure 6-1 for a visual depiction of the scoring decision rules process.

Figure 6-1. 2013–14 Florida Alternate Assessment: Scoring Decision Rules for Grade-Relevant Academic Areas

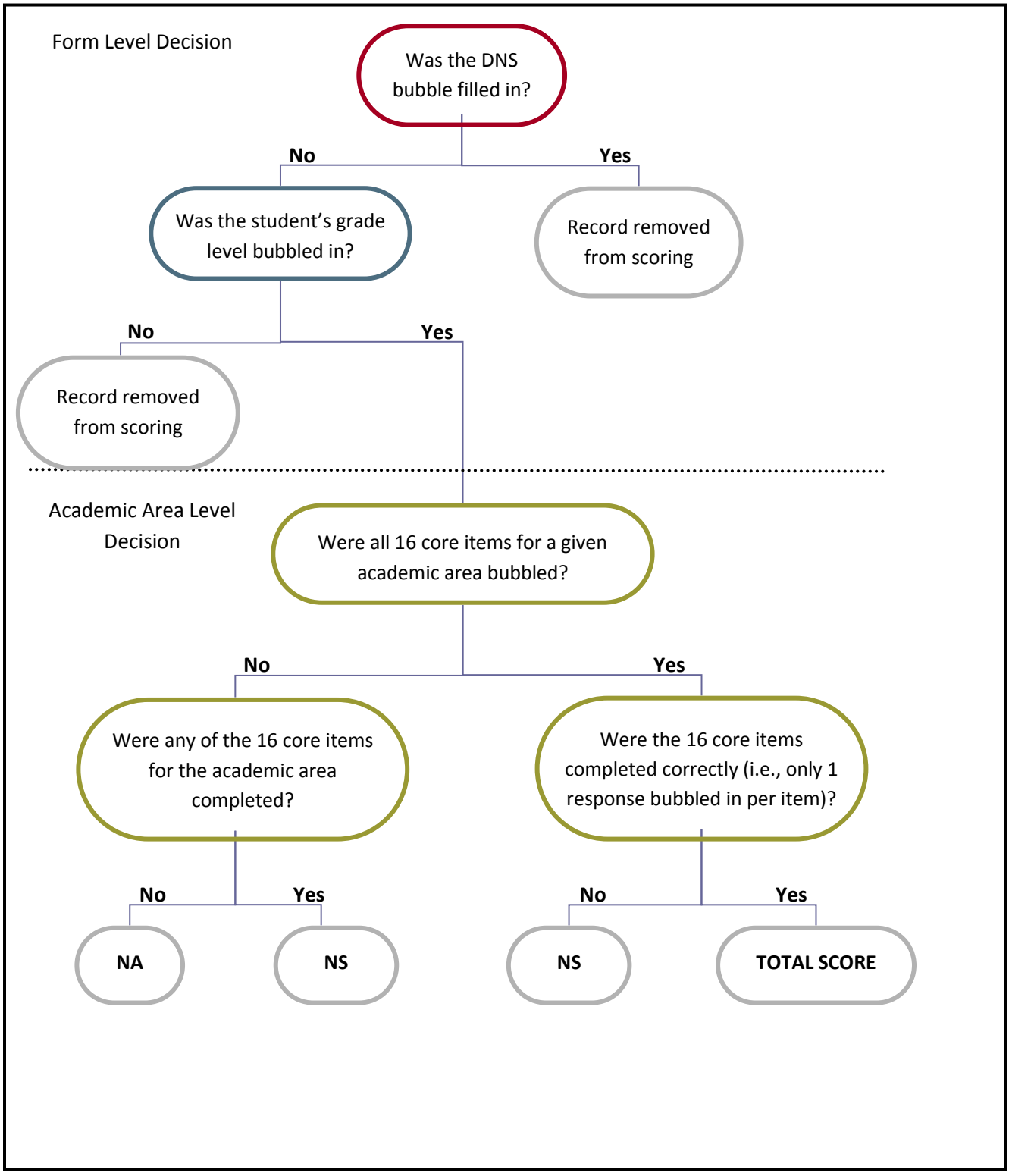


Table 6-1 indicates the number of Valid Scores, No Scores, and Not Assessed for the Spring 2014 Florida Alternate Assessment by academic area. Overall, less than 1% of the total academic area tests were either deemed No Score or Not Assessed.

Table 6-1. 2013–14 Florida Alternate Assessment: Overview of Assessment Outcomes by Academic Area

Assessment Outcomes by Academic Area	*Reading*	*Mathematics*	*Writing*	*Science*
Valid Score	21,937	21,935	8,076	8,198
NS (No Score): Multiple Responses Bubbled for an Item	34	18	10	9
NS (No Score): Incomplete Academic Area	103	80	52	34
NA (Not Assessed)	21	62	74	60

6.2 SCORING RUBRIC

Each item is scored by the test administrator during the administration process. Spaces are provided in the student test booklet for teachers to mark the score that the student earns for each item during administration. The teacher then transfers the final score for each item to the student answer document. If teachers prefer, they may record the student scores for each item directly on the student answer document during administration. Students can earn only a single score point for each item. Please see Section 3.3.1 for a detailed description of this process. Table 6-2 shows the scoring rubric used during the administration process.

Table 6-2. 2013–14 Florida Alternate Assessment: Scoring Rubric

	Participatory Level Scaffolding			Supported Level	Independent Level
0	3	2	1	6	9
No response. Student actively refuses or does not engage at any point during the Participatory Level.	Student responds correctly at the Participatory Level.	Student responds correctly after the removal of one distractor at the Participatory Level.	Student responds correctly after the removal of two distractors at the Participatory Level.	Student responds correctly at the Supported Level.	Student responds correctly at the Independent Level.
	• Present student with prompt as written. • If student responds correctly, move to the Supported Level. • If student responds incorrectly, move to the 2-point scaffolding.	• Remove the incorrect response indicated by the student, repeat the Participatory Level prompt. • If student responds correctly, score the student at 2 points. • If student responds incorrectly, move to the 1-point scaffolding.	• Remove the incorrect response indicated by the student, repeat the Participatory Level prompt and lead the student to the correct response. • If student responds correctly, score the student at 1 point. • If student actively refuses or does not engage at any point during the Participatory Level, score the student at 0 points.	• Present student with prompt as written. • If student responds correctly, move to the Independent Level. • If student responds incorrectly, score the student at 3 points.	• Present student with prompt as written. • If student responds correctly, score the student at 9 points. • If student responds incorrectly, score the student at 6 points.

6.3 SCORING PROCESS

6.3.1 Handling of Incoming Forms

Incoming Shipments

- Incoming shipment information is entered into a Florida Alternate Assessment management database as shipments arrive. Barcodes from light blue TO BE SCORED labels are affixed to incoming boxes and courier tracking numbers are scanned into the database, along with the name of the sending district and the date of arrival. Each district's box contains separate TO BE SCORED materials envelopes from each school returning answer sheets for scoring. School envelopes include student answer sheets and a Document Count & Return Summary Form. A blue label with a unique barcode identifying the returning school is affixed to the front of each envelope. When boxes (or packages) are opened, the barcode on each envelope's label is scanned into the management database. Each envelope barcode is linked to the barcode on the box in which it arrived.
- Districts are e-mailed to confirm receipt of their shipments. A list of school envelopes received is attached to the e-mail. Districts are asked to review their own records of what was shipped for processing and confirm the list of school envelopes received. Once confirmation is received, a pick-up for NOT TO BE SCORED materials can be scheduled.
- Depending on size, packages are either locked in a cabinet or stored in a separate locked office before processing.
- Since processing of packages is done on a by-district basis, only boxes/packages for the relevant district are moved to the processing area at a given time.

Document Sorting

- TO BE SCORED materials are separated into four separate trays by district: (1) completed student answer sheets; (2) blank/unused student answer sheets with no demographic or item-level data; (3) Document Count & Return Summary Forms; and (4) other miscellaneous materials (e.g., business cards, Post-it notes, student records). The "miscellaneous" materials are reviewed by supervisors and either stored or destroyed.
- All documents are removed from packaging. As a safety measure, all empty envelopes are reinspected once forms have been removed to ensure that no forms remain in the envelopes.
- If additional notes from district coordinators or examiners are discovered (e.g., "DO NOT SCAN"), the notes and corresponding answer sheets are shared with supervisors before proceeding.
- Additional staples and paper clips are removed from forms.

- Completed forms are checked for missing district numbers and/or school numbers as they are processed.
    - If either of these items is missing, the information is added only if the correct district/school number can be discerned from the envelope label or the Document Count & Return Summary Form. Staff members are trained to ask supervisors for assistance whenever necessary.
- Student answer sheets and Document Count & Return Summary Forms are stored in locked cabinets (separated by district) for the next stage of processing.
- After opening all boxes/packages for a particular district, staff members date and initial next to the district's name in a processing log.

CHAPTER 7 SCANNING

Scan Station is the Teleform module used to capture data and form images from the student answer sheets. Once forms have been scanned, the Teleform system evaluates the data captured, which are subsequently verified by a Verifier Station operator.

Scan Station operators perform the following steps:

1. Log in
2. Remove any remaining staples and paper clips from the forms
3. Create batches no thicker than 1″ (approximately 40 forms)
4. Flip through forms to help break up stack
5. Place forms in scanner bay
6. Select New Batch under the File menu of Batch Explorer
7. Select Job-FLALT
8. Confirm under the Processing Tab that Setting reads: "Panasonic" and "Feeder—Front & Back"
9. Click "Start"
10. Watch for errors as images are scanned

Quality Check

- If multiple pages are scanned together, lines appear, or if other imaging issues occur, operators are instructed to follow the steps below:
  1. Stop scanning by removing forms from scanner bay
  2. Place pages from the scanner bay back on tray with other pages
  3. Delete all scanned images from the batch
  4. Select "Continue" and rescan the entire batch
- When a batch is complete, review images in Batch Explorer; if an error is detected, follow steps 1–4 above.
- If the quality of images is acceptable, "Accept" batch.
- Batch will appear in Batch Explorer as "Ready to Evaluate."

Post Processing

- Batch cover sheets are preprinted with ascending batch numbers.
- Batch cover sheet is placed on top of corresponding scanned batch.
- Batch and cover sheet are bundled with a rubber band.
- Date, district number, and initials are noted in the batch log for each batch number.
- Batches are placed in a locked cabinet for Verifier Station operator to review.
- Once all the forms for a district have been scanned, operators date and initial next to the appropriate district name on the scan log provided.
- Operators log out of scan station when they switch stations or once scanning has been completed for the day.

Cleaning

- The scanner is cleaned after every 20 batches or whenever images show stray streaks/lines; staff members date and initial next to the appropriate batch in the batch log once they have cleaned the scanner.
- Scanner is opened from the front and rollers are cleaned of debris using isopropyl alcohol and cotton swabs or wipes.
- Compressed air removes dust, residue, and staples.

Verifying and Committing Data

- Teleform Verifier Station operators perform the following steps:
  1. Log in using secure User ID and Password.
  2. From the "Utilities" menu, select "Batch Management."
  3. Click on a batch to begin.
  4. Retrieve the matching, hard copy batch of original student answer sheets from the locked cabinet.
  5. Once a batch is selected, the digital image of each student answer sheet will appear for verification, if operator review is required.

Verifying Demographic Information

- To ensure the accuracy of demographic information provided on the student answer sheets, the following elements were programmed into the system:
  - The Verifier module automatically forces the operator to stop and review all demographic fields on non-pre-identified (i.e., handwritten) student answer sheets.
  - Demographic information on page 1 of the pre-identified student answer sheets is not verified. Each pre-identified student answer sheet is linked to the corresponding Survey 2 database record using the unique ID (P-LINK) on the bottom, left-hand corner of the

form. Upon export, a structured query language (SQL) database trigger updates the record with the pre-identified demographic data.

- The system is programmed to automatically stop at all fields completed in the "Student Demographic Information Corrections" section on page 1 of ALL student answer sheets (i.e., pre-identified or non-pre-identified).

- When the Verifier module stops on a demographic data field, the operator must determine if the system's Intelligent Character Recognition (ICR) deduction is correct or if there is an error that needs to be corrected.
  - If the system has read the intended character correctly, the operator accepts the system's inference by moving on to the next field.
  - If the system interprets a character erroneously, the operator corrects the error by typing in the correct character based on the actual information written on the scanned image or hard copy of the form.
  - Similarly, if the system interprets a stray mark as a character, the operator deletes the unnecessary characters.
- If a field value does not meet certain predetermined criteria, operators can either confirm and accept the "Out of Range" values or they can skip to the next field, which leaves the field flagged for review by supervisors later on.
- Operators are trained to enter characters exactly as they are found on the forms. Their principal mission is to recreate the data from the original form precisely as the data were intended.

Verifying Item-Level Data

- Multiple and Inconclusive Responses:
  The system is programmed to identify assessment items where (a) more than one answer has been completed or (b) the Teleform Verifier was inconclusive about whether an answer had been bubbled. As the operator toggles through the student answer sheets, a Field Violation message box will appear (when the system locates an instance of case a or b above) asking the operator, "Can you identify the correct bubble?"
  - If the operator can clearly discern which value the examiner intended to submit, then he or she corrects or confirms the value and submits it.
  - If the operator CANNOT tell which value the examiner intended to submit, then he or she writes the P-LINK, academic area, and error type on the batch cover sheet for supervisors to review. The original forms are then pulled and placed at the top of the batch.
- Missing Responses:
  The system is also programmed to count the number of items with responses for each grade-relevant academic area (e.g., only science for grade 11). If the total number of counted responses does not match the total number of items for an academic area (i.e., 16 items), then a flag is raised and the system will automatically stop on the incomplete item(s). Verifier Station operators are trained to review the original student answer sheet (rather than the scanned image) to determine whether an item has, in fact, been completed. If any item is blank for a grade-specific academic area, the operator writes the P-LINK, academic area, and

error type on the batch cover sheet for supervisors to review. The original forms are then pulled and placed at the top of the batch.

- Missing Pages:
  If the Teleform Verifier identifies a form as having a missing page, the operator will notify their supervisor. The supervisor will review the form and delete the form images from the system (as appropriate) and pull the hard copy from the batch for rescanning. The Teleform Verifier also identifies forms that may have unidentified pages due to page overlap during scanning, stray marks, torn forms, or damage to square cornerstone markers. These forms are also rescanned.

Committing Batches to the SQL Server Database

- All answer sheets with hand completed demographic sections are verified a second time for the purpose of adding an extra layer of quality checking.
- Once the batches have been verified, they are transferred to a supervisor for quality checking.
- The front cover of each batch is checked by the supervisor for errors noted by Verifier Station operators.
  - If the batch cover sheet contains errors found (e.g., more than one answer has been bubbled for an item), the supervisor reviews the original student answer sheets to confirm these errors.
- When the supervisor confirms that an error was, in fact, submitted by the examiner, he or she initials the cover sheet next to the location where the error was noted.
- If an error is determined to be a false positive, the supervisor will correct the item in the Teleform Verifier, make a note of the change on the batch cover sheet, and sign and date the cover sheet where the change is noted.
- All student answer sheets for which the system has identified errors have a status of "Needs Review." A batch cannot be committed until the status of all student answer sheets is "Evaluated OK."
- Supervisors randomly check five student answer sheets per batch where errors were not flagged by the system.
- The batches can then be committed to the database. The supervisor signs off that the batch has been committed.

7.1 DATA SECURITY

Individuals are granted permission only for actions needed to perform their jobs. Limiting actions to those properly authorized protects the confidentiality and integrity of data within the processing environment. All employees are required to sign a confidentiality agreement.

7.2 ELECTRONIC RECORDS

All authorized personnel have individual usernames and passwords to access the stand-alone network, which stores secure student data. If personnel leave their computers for more than two minutes, a password-protected screen saver is activated. A very limited number of employees have access to sensitive electronic records. All sensitive electronic records, including scanned answer sheet images, assessment data, and student demographic information, are stored on the SQL server and backed up every night.

All electronic records are protected from unauthorized access while in storage and while being processed through the use of suitable information security techniques, such as password protection and analogous methods. Access control mechanisms are also utilized to ensure that only authorized users can access data to which they have been granted explicit access rights. Additionally, any computer and/or electronic device where these electronic records reside, such as database servers, local hard drives, external hard drives, or tape or optical backups, are always kept within secure premises, as described below.

Authorized individuals are trained to avoid transmitting sensitive data through electronic means proven to be easily intercepted and/or modifiable, such as unencrypted e-mail communications or unsecured FTP connections. Transmission of sensitive information via facsimile documents is also prohibited.

7.3 PHYSICAL RECORDS

Only authorized employees have access to student data for processing purposes. Employees must ensure that confidential data under their direction or control are properly labeled and safeguarded according to their sensitivity and criticality. All physical records must be kept in full view by the authorized employees while being accessed and/or processed and properly stored and secured if the premises are left for any period of time. Sensitive physical records are stored in locked cabinets, and only supervisors have access to their keys.

Location Specifications

The premises where sensitive physical and electronic records are stored are protected at all times from unauthorized access, through a combination of building security access systems, security personnel, and suitable locks in doors and any other similar points of access. Storage and filing cabinets are also protected by locking mechanisms, independently of any additional access control to the rooms where they are located. Building windows are fixed panes made of impact-resistant glass that do not open. The building's security access system limits access to the building after hours and during weekends. An access card is required to gain entry to the building when the security system is activated. The premises are also protected by a security company, which provides a security guard 24 hours a day, 7 days a week.

7.4 Data Disposal

Both physical and electronic records are destroyed, deleted, and/or purged through any number of means that guarantee the technical impossibility of these records being recovered, be it partially or completely. Any backup copies of electronic records that might exist, regardless of format, are also disposed of accordingly. Data assets, both physical and electronic, are kept for the period of time considered mandatory by any applicable laws. After this period of time, all necessary steps are taken for their disposal.

7.5 Secure Test Material Distribution and Return

All test material shipments to and from the districts are shipped using tracking mechanisms. Materials are shipped using United Parcel Service or R&L Carriers only; the type of courier is determined based on type and quantity of materials. All shipments to districts are tracked to ensure delivery by a specific date.

Every district and school materials box within a district shipment contains a label with an internal scannable barcode, as well as a standard courier/freight shipping label. For tracking purposes, internal and shipping barcodes are stored in a management database before shipments are picked up by couriers. Every district shipment includes school-level and district-level packing lists detailing all the materials included. For districts receiving pallets of materials, a pallet map is also provided, describing how many cartons are included for each school and the skid numbers where the cartons can be found.

Both district and school test coordinators are instructed to inventory shipment contents within 24 hours of receipt and report any discrepancies immediately. Once secure test materials arrive at the districts, district assessment coordinators are responsible for storing these materials in secure, locked facilities. It is the responsibility of district assessment coordinators to ensure that materials are handled appropriately during distribution to and return from schools. Likewise, school test coordinators are instructed to store test materials in secure locations.

CHAPTER 8 REPORTING

8.1 REPORT SHELLS

Reports are generated at the following levels:

The state-level report contains the number of students assessed and percentages of students scoring at each performance level (i.e., Levels 1–9) for each district, as well as the state's overall results by academic area.

District-level reports contain the number of students assessed and percentages of students scoring at each performance level (i.e., Levels 1–9) for each school in a given district, as well as the district's overall results by academic area.

School-level reports include the list of students assessed in a given school, along with their performance level (i.e., Levels 1–9) and total score by academic area. The report also contains a summary of the school's overall results.

Student and parent reports include the student's basic demographic information (e.g., name, grade, school), total score, performance level (i.e., Levels 1–9), performance-level descriptors, and a bar graph depicting comparative reading and mathematics performance levels for the 2012, 2013, and 2014 administrations. Report backs contain levels and Access Points for each core item. See Appendix F for sample report shells.

In addition to the reports listed above, parent and teacher brochures were prepared to be distributed with the individual student reports. The parent brochures focus on providing an overview of the Florida Alternate Assessment, including the Access Points and a description of the levels of complexity, information on who determines whether the student will participate in the alternate assessment, when the assessment takes place, who administers the assessment, and how the results are used. The teacher brochure includes some of the same information, but focuses more on what results are provided and how they can be used by the teacher. Electronic copies of the parent and teacher brochures were made available to the public on the FLDOE website (http://www.fldoe.org/asp/altassessment.asp). (Copies of the brochures can be found in Appendix G.)

8.2 DECISION RULES FOR REPORTING

- Reports are not generated for students if no items in the academic area(s) specific to the student's grade are completed.
- Data scanned from student answer sheets marked "DNS" are not included in reports. The DNS bubble is located at the bottom of page 1 of the student answer sheet. Teachers were

asked to mark the DNS bubble if the answer sheet was defective, soiled, or incorrectly completed.

- Data scanned from student answer sheets on which no grade level is indicated are not included in reports.
- Reports are not generated for students for whom deceased is indicated as the Reason Not Assessed (page 1 of the Student Answer Document).

SECTION III TECHNICAL CHARACTERISTICS OF THE FLORIDA ALTERNATE ASSESSMENT

CHAPTER 9 CLASSICAL ITEM ANALYSIS

As noted in Brown (1983), "A test is only as good as the items it contains." A complete evaluation of a test's quality must include an evaluation of each item. Both *Standards for Educational and Psychological Testing* (AERA, 1999) and *Code of Fair Testing Practices in Education* (Joint Committee on Testing Practices, 2004) include standards for identifying quality items. While the specific statistical criteria identified in these publications were developed primarily for general—not alternate—assessment, the principles and some of the techniques apply within the alternate assessment framework as well.

Both qualitative and quantitative analyses were conducted to ensure that Florida Alternate Assessment items met these standards. Qualitative analyses are described in earlier sections of this report; this section focuses on the quantitative evaluations. The statistical evaluations discussed are difficulty indices and discrimination (item-test correlations); differential item functioning (DIF), which is used to evaluate potential item bias; and dimensionality analyses. The item analyses presented here are based on the statewide administration of the Florida Alternate Assessment in Spring 2014. All students are included in the following calculations.

9.1 ITEM DIFFICULTY AND DISCRIMINATION

All Florida Alternate Assessment tasks were evaluated in terms of item difficulty according to standard classical test theory practices. "Difficulty" was defined as the average proportion of points achieved on an item and was measured by obtaining the average score on an item and dividing by the maximum score for the item. Tasks presented at the Participatory level are scored polytomously, such that a student can achieve a score of 0, 1, 2, or 3 for an item. Tasks presented at the Supported or Independent levels, on the other hand, are dichotomous, i.e., a student either gets the item correct or incorrect. For these items, the difficulty index is simply the proportion of students who got the item correct. By computing the difficulty index (*p*-value) for the polytomous items as the average proportion of points achieved, all items are placed on a scale that ranges from 0.0 to 1.0. Although this index is traditionally described as a measure of difficulty, it is properly interpreted as an easiness index, because larger values indicate easier items. The *p*-values are used to help insure that items are of the appropriate difficulty for the assessment level that they are intended to be used at (Participatory, Supported, or Independent).

An index of 0.0 indicates that all students received no credit for the item, and an index of 1.0 indicates that all students received full credit for the item. Items that have either a very high or very low difficulty index are considered to be potentially problematic, because they are either so difficult that few students get them right or so easy that nearly all students get them right. In either case, such items should be reviewed for appropriateness for inclusion on the assessment. If an assessment were composed entirely of very easy or very hard items, all students would receive nearly the same scores, and the assessment would not be able to differentiate high-ability students from low-ability students. Difficulty indices (i.e., item-level classical statistics) for each item are provided in Appendix H.

A desirable feature of an item is that the higher-ability students perform better on the item than the lower-ability students. The correlation between student performance on a single item and total test score is a commonly used measure of this characteristic of an item. Within classical test theory, this item-test correlation is referred to as the item's "discrimination," because it indicates the extent to which successful performance on an item discriminates between high and low scores on the test. The discrimination index used to evaluate the polytomous items (Participatory level) was the Pearson product-moment correlation; the corresponding statistic for the dichotomous items (Supported and Independent levels) is the point-biserial correlation. The theoretical range of the discrimination index is -1.0 to 1.0.

Discrimination indices can be thought of as measures of how closely an item assesses the same knowledge and skills assessed by other items contributing to the criterion total score. That is, the discrimination index can be thought of as a measure of construct consistency. In light of this interpretation, the selection of an appropriate criterion total score is crucial to the interpretation of the discrimination index. For the Florida Alternate Assessment, the test total score, excluding the item being evaluated, was used as the criterion score.

A summary of the item difficulty and item discrimination statistics for each grade/content area combination is presented in Table 9-1. Note that the statistics presented in Table 9-1 are based on just the core items because those are the items that are used to calculate students' scores. Because the nature and purpose of the Florida Alternate Assessment are different from those of a general assessment, and in the absence of guidelines for interpreting the values for alternate assessments, the statistics presented in Table 9-1 should be interpreted with caution. See Appendix I for the item-level score distributions.

Table 9-1. 2013–14 Florida Alternate Assessment: Item Difficulty and Discrimination Statistics

Subject	*Grade*	*Number of Items*	p-*Value*		*Discrimination*	
			Mean	*Standard Deviation*	*Mean*	*Standard Deviation*
Mathematics	3	48	0.55	0.25	0.63	0.11
	4	48	0.53	0.27	0.58	0.10
	5	48	0.57	0.25	0.62	0.07
	6	48	0.53	0.26	0.60	0.08
	7	48	0.56	0.26	0.57	0.08
	8	48	0.55	0.28	0.56	0.08
	9	48	0.55	0.25	0.59	0.07
	10	48	0.53	0.27	0.58	0.09
Reading	3	48	0.60	0.22	0.66	0.08
	4	48	0.63	0.23	0.63	0.08
	5	48	0.63	0.23	0.61	0.09
	6	48	0.61	0.24	0.63	0.10
	7	48	0.59	0.25	0.59	0.07
	8	48	0.60	0.25	0.61	0.06
	9	48	0.57	0.26	0.58	0.08
	10	48	0.58	0.25	0.62	0.08
Science	5	48	0.63	0.23	0.64	0.08
	8	48	0.58	0.25	0.59	0.09
	11	48	0.60	0.25	0.60	0.10
Writing	4	48	0.57	0.26	0.62	0.09
	8	48	0.64	0.22	0.66	0.07
	10	48	0.58	0.26	0.62	0.07

9.2 BIAS/FAIRNESS

Code of Fair Testing Practices in Education (Joint Committee on Testing Practices, 2004) explicitly states that subgroup differences in performance should be examined when sample sizes permit and that actions should be taken to ensure that differences in performance are because of construct-relevant, rather than irrelevant, factors. *Standards for Educational and Psychological Testing* (AERA, et al., 1999) includes similar guidelines. As part of the effort to identify such problems, Florida Alternate Assessment items were evaluated in terms of differential item functioning (DIF) statistics.

For the Florida Alternate Assessment, the standardization DIF procedure (Dorans & Kulick, 1986) was employed to evaluate subgroup differences. The standardization DIF procedure is designed to identify items for which subgroups of interest perform differently, beyond the impact of differences in overall achievement. The DIF procedure calculates the difference in item performance for two groups of students (at a time) matched for achievement on the total test. Specifically, average item performance is calculated for students at every total score. Then an overall average is calculated, weighting the total score distribution so that it is the same for the two groups.

When differential performance between two groups occurs on an item (i.e., a DIF index in the "low" or "high" categories, explained below), it may or may not be indicative of item bias. Course-taking patterns or differences in school curricula can lead to DIF, but for construct-relevant reasons. On the other hand, if subgroup differences in performance could be traced to differential experience (such as geographical living conditions or access to technology), the inclusion of such items should be reconsidered.

Computed DIF indices have a theoretical range from -1.0 to 1.0 for multiple-choice items, and the index is adjusted to the same scale for constructed-response items. Dorans and Holland (1993) suggested that index values between -0.05 and 0.05 should be considered negligible. The preponderance of Florida Alternate Assessment items fell within this range. Dorans and Holland further stated that items with values between -0.10 and -0.05 and between 0.05 and 0.10 (i.e., "low" DIF) should be inspected to ensure that no possible effect is overlooked, and that items with values outside the -0.10 to 0.10 range (i.e., "high" DIF) are more unusual and should be examined very carefully.[1]

For the 2013–14 Florida Alternate Assessment, the following subgroup comparisons were evaluated for DIF:

- Male versus female
- White versus Black
- White versus Hispanic
- Economically disadvantaged versus not economically disadvantaged
- Non-LEP versus LEP

The tables in Appendix J present the number of items classified as either "low" or "high" DIF, overall and by group favored.

9.3 DIMENSIONALITY

The DIF analyses of the previous section were performed to identify items that showed evidence of differences in performance between pairs of subgroups beyond that which would be expected based on the primary construct that underlies total test score (also known as the "primary dimension"; for example, general achievement in mathematics). When items are flagged for DIF, statistical evidence points to their measuring an additional dimension(s) to the primary dimension.

Because tests are constructed with multiple content area subcategories, and their associated knowledge and skills, the potential exists for a large number of dimensions being invoked beyond the common primary dimension. Generally, the subcategories are highly correlated with each other; therefore, the primary dimension they share typically explains an overwhelming majority of variance in test scores. In fact,

[1] It should be pointed out here that DIF is evaluated initially at the time of field testing. If an item displays high DIF, it is flagged for review by a Measured Progress content specialist. The content specialist consults with the FLDOE to determine whether to include the flagged item in a future operational test administration.

the presence of just such a dominant primary dimension provides the foundation for the reporting and interpretation of a single score for each student taking the 2013–14 Florida Alternate Assessment test forms. As noted in the previous section, a statistically significant DIF result does not automatically imply that an item is measuring an irrelevant construct or dimension. An item could be flagged for DIF because it measures one of the construct-relevant dimensions of a subcategory's knowledge and skills.

The purpose of dimensionality analysis is to investigate whether violation of the assumption of test unidimensionality is statistically detectable and, if so, (a) the degree to which unidimensionality is violated and (b) the nature of the multidimensionality. Findings from dimensionality analyses performed on the 2013–14 Florida Alternate Assessment common items for mathematics, reading, science, and writing are reported below. (Note: Only common items were analyzed since they are used for score reporting.)

The dimensionality analyses were conducted using the nonparametric methods DIMTEST (Stout, 1987; Stout, Froelich, & Gao, 2001) and DETECT (Zhang & Stout, 1999). Both of these methods use as their basic statistical building block the estimated average conditional covariances for item pairs. A conditional covariance is the covariance between two items conditioned on expected total score for the rest of the test, and the average conditional covariance is obtained by averaging overall possible conditioning scores. When a test is strictly unidimensional, all conditional covariances are expected to take on values within random noise of zero, indicating statistically independent item responses for examinees with equal expected scores. Non-zero conditional covariances are essentially violations of the principle of local independence, and local dependence implies multidimensionality. Thus, nonrandom patterns of positive and negative conditional covariances are indicative of multidimensionality.

DIMTEST is a hypothesis-testing procedure for detecting violations of local independence. The data are first divided into a training sample and a cross-validation sample. Then an exploratory analysis of the conditional covariances is conducted on the training sample data to find the cluster of items that displays the greatest evidence of local dependence. The cross-validation sample is then used to test whether the conditional covariances of the selected cluster of items displays local dependence, conditioning on total score on the nonclustered items. The DIMTEST statistic follows a standard normal distribution under the null hypothesis of unidimensionality.

DETECT is an effect-size measure of multidimensionality. As with DIMTEST, the data are first divided into a training sample and a cross-validation sample. The training sample is used to find a set of mutually exclusive and collectively exhaustive clusters of items that best fit a systematic pattern of positive conditional covariances for pairs of items from the same cluster and negative conditional covariances from different clusters. Next, the clusters from the training sample are used with the cross-validation sample data to average the conditional covariances: within-cluster conditional covariances are summed, from this sum the between-cluster conditional covariances are subtracted, this difference is divided by the total number of item pairs, and this average is multiplied by 100 to yield an index of the average violation of local independence for an item pair. DETECT values less than 0.2 indicate very weak multidimensionality (or near

unidimensionality), values of 0.2 to 0.4 weak to moderate multidimensionality; values of 0.4 to 1.0 moderate to strong multidimensionality, and values greater than 1.0 very strong multidimensionality.

DIMTEST and DETECT were applied to the 2013–14 Florida Alternate Assessment. The data for each grade and content area were split into a training sample and a cross-validation sample. Every grade/content-area combination had at least 2,400 student examinees, so every training sample and cross-validation sample had at least 1,200 students. DIMTEST was then applied to every grade/content area. DETECT was applied to each dataset for which the DIMTEST null hypothesis was rejected in order to estimate the effect size of the multidimensionality.

The DIMTEST null hypothesis was rejected at a significance level of 0.01 for every grade/content area. The occurrence of statistical rejection of the null hypothesis for every dataset was not surprising because strict unidimensionality is an idealization that rarely holds exactly for a given dataset. Thus, it was important to use DETECT to estimate the effect size of the violations of local independence found by DIMTEST. Table 9-2 displays the multidimensionality effect size estimates from DETECT.

Table 9-2. 2013–14 Florida Alternate Assessment: Multidimensionality Effect Sizes by Grade and Subject

Subject	Grade	Multidimensionality Effect Size	
		2013–14	2012–13
Mathematics	3	0.15	0.16
	4	0.14	0.12
	5	0.14	0.13
	6	0.14	0.15
	7	0.18	0.15
	8	0.12	0.12
	9	0.14	0.13
	10	0.12	0.14
	Average	0.14	0.16
Reading	3	0.15	0.17
	4	0.16	0.14
	5	0.12	0.14
	6	0.11	0.13
	7	0.13	0.13
	8	0.14	0.12
	9	0.13	0.11
	10	0.13	0.11
	Average	0.13	0.13
Science	5	0.13	0.15
	8	0.14	0.12
	11	0.12	0.12
	Average	0.13	0.13
Writing	4	0.11	0.08
	8	0.09	0.12
	10	0.09	0.07
	Average	0.10	0.09

All the DETECT values indicated very weak multidimensionality. The writing test forms tended to show slightly less multidimensionality than did mathematics, reading, or science. This same small difference also occurred in the analysis of the 2012–13 data. We also investigated how DETECT divided the tests into clusters to see if there were any discernable patterns with respect to item type (i.e., multiple choice and constructed response), but none of the tests showed any discernable pattern. This lack of patterns with respect to item type also occurred in the analysis of the 2012–13 data. A more thorough investigation by substantive content experts would be required to better understand the DETECT clusters and how they relate to the DIMTEST statistical rejections. In any case, the violations of local independence from all such effects, as evidenced by the DETECT effect sizes, were very small and do not warrant any changes in test design or scoring.

CHAPTER 10 CHARACTERIZING ERRORS ASSOCIATED WITH TEST SCORES

One of the main uses of the Florida Alternate Assessment scores is for school-, district-, and state-level accountability in the federal No Child Left Behind Act (NCLB) and in state accountability systems. The students are classified as Proficient or Not Proficient and are included in the state's Annual Measurable Objectives calculation. In this case, the reliability of individual student scores, while not meaningless, becomes much less important. The scores have been collapsed for each student to a yes/no decision and then aggregated across students. Several different methods of evaluating test reliability are discussed below.

10.1 RELIABbILITY (OVERALL AND SUBGROUP)

In the previous chapter, individual item characteristics of the 2013–14 Florida Alternate Assessment were presented. Although individual item performance is an important focus for evaluation, a complete evaluation of an assessment must also address the way in which items function together and complement one another. Any measurement includes some amount of measurement error. No academic assessment can measure student performance with perfect accuracy; some students will receive scores that underestimate their true ability, and other students will receive scores that overestimate their true ability. Items that function well together produce assessments that have less measurement error (i.e., the error is small on average). Such assessments are described as "reliable."

There are a number of ways to estimate an assessment's reliability. One approach is to split all test items into two groups and then correlate students' scores on the two half-tests. This is known as a split-half estimate of reliability. If the two half-test scores correlate highly, the items on them likely measure very similar knowledge or skills. It suggests that measurement error will be minimal.

The split-half method requires psychometricians to select items that contribute to each half-test score. This decision may have an impact on the resulting correlation, since each different possible split of the test into halves will result in a different correlation. Another problem with the split-half method of calculating reliability is that it underestimates reliability, because test length is cut in half. All else being equal, a shorter test is less reliable than a longer test. Cronbach (1951) provided a statistic, alpha (α), that avoids the shortcomings of the split-half method by comparing individual item variances to total test variance. Cronbach's α was used to assess the reliability of the 2013–14 Florida Alternate Assessment. The formula is as follows:

$$\alpha \equiv \frac{n}{n-1}\left[1 - \frac{\sum_{i=1}^{n} \sigma_{(Y_i)}^2}{\sigma_x^2}\right]$$

where
i indexes the item,
n is the number of items,
$\sigma_{(Y_i)}^2$ represents individual item variance, and
σ_x^2 represents the total test variance.

Table 10-1 presents raw score descriptive statistics (maximum possible score, average, and standard deviation), Cronbach's α coefficient, and raw score standard errors of measurement (SEMs) for each content area and grade.

Table 10-1. 2013–14 Florida Alternate Assessment: Raw Score Descriptive Statistics, Cronbach's Alpha, and Standard Errors of Measurement (SEM) by Content Area and Grade

Subject	*Grade*	*Number of Students*	*Raw Score*			*Alpha*	*SEM*
			Maximum	*Mean*	*Standard Deviation*		
Mathematics	3	2,628	144	78.95	37.20	0.95	7.98
	4	2,637	144	76.95	33.35	0.94	8.10
	5	2,800	144	81.84	36.46	0.95	7.97
	6	2,728	144	76.37	35.09	0.95	8.22
	7	2,821	144	80.33	33.64	0.94	8.49
	8	2,833	144	79.80	32.04	0.94	8.06
	9	2,821	144	79.75	35.20	0.95	8.22
	10	2,667	144	76.41	33.34	0.94	8.12
Reading	3	2,633	144	86.44	39.58	0.96	8.03
	4	2,643	144	90.74	37.29	0.96	7.75
	5	2,795	144	91.21	35.50	0.95	8.00
	6	2,729	144	87.95	37.14	0.96	7.62
	7	2,823	144	84.92	35.00	0.95	8.20
	8	2,838	144	85.86	35.52	0.95	8.04
	9	2,815	144	82.28	33.73	0.94	8.09
	10	2,661	144	84.02	36.07	0.95	7.94
Science	5	2,765	144	90.48	37.21	0.96	7.58
	8	2,817	144	83.05	34.31	0.94	8.29
	11	2,616	144	87.02	34.23	0.94	8.23
Writing	4	2,625	144	82.12	36.16	0.96	7.36
	8	2,812	144	92.14	38.83	0.96	7.54
	10	2,639	144	82.86	36.29	0.96	7.40

An alpha coefficient toward the high end is taken to mean that the items are likely measuring very similar knowledge or skills (i.e., that they complement one another and suggest a reliable assessment). Please note that these numbers may be artificially inflated due to the pseudo-adaptive administration of the assessment. More specifically, if a student was not administered an item, for purposes of the above reliability calculations it was assumed that the student would have scored incorrectly.

Subgroup Reliability

The reliability coefficients discussed in the previous section were based on the overall population of students who took the 2013–14 Florida Alternate Assessment. Cronbach's α coefficients for subgroups were also calculated using the formula defined above but, in this case, only the members of the subgroup in question were used in the computations. The results are reported in Appendix K. Note that statistics are reported only for subgroups with at least 10 students.

For several reasons, the results of this section should be interpreted with caution. First, inherent differences between grades and content areas preclude making valid inferences about the quality of a test based on statistical comparisons with other tests. Second, reliabilities are dependent not only on the measurement properties of a test but on the statistical distribution of the studied subgroup. For example, it can be readily seen in Appendix K that subgroup sample sizes may vary considerably, which results in natural variation in reliability coefficients. Alternatively α, which is a type of correlation coefficient, may be artificially depressed for subgroups with little variability (Draper & Smith, 1998). Finally, there is no industry standard to interpret the strength of a reliability coefficient, and this is particularly true when the population of interest is a single subgroup.

10.2 Decision Accuracy and Consistency

While related to reliability, the accuracy and consistency of classifying students into performance categories is an even more important issue in a standards-based reporting framework (Livingston & Lewis, 1995). Unlike generalizability coefficients, decision accuracy and consistency (DAC) can usually be computed with the data currently available for most alternate assessments. For every 2013–14 Florida Alternate Assessment grade and content area, each student was classified into one of the following performance levels: Emergent, Achieved, or Commended. This section of the report explains the methodologies used to assess the reliability of classification decisions and presents the results.

Accuracy refers to the extent to which decisions based on test scores match decisions that would have been made if the scores did not contain any measurement error. Accuracy must be estimated, because errorless test scores do not exist. Consistency measures the extent to which classification decisions based on test scores match the decisions based on scores from a second, parallel form of the same test. Consistency can be evaluated directly from actual responses to test items if two complete and parallel forms of the test are given to the same group of students. In operational test programs, however, such a design is usually impractical. Instead, techniques have been developed to estimate both the accuracy and the consistency of classification decisions based on a single administration of a test. The Livingston and Lewis (1995) technique was used for the 2013–14 Florida Alternate Assessment because it is easily adaptable to all types of testing formats, including mixed-format tests.

The accuracy and consistency estimates reported in Appendix L make use of "true scores" in the classical test theory sense. A true score is the score that would be obtained if a test had no measurement error. Of course, true scores cannot be observed and so must be estimated. In the Livingston and Lewis method, estimated true scores are used to categorize students into their "true" classifications.

For the 2013–14 Florida Alternate Assessment, after various technical adjustments (described in Livingston & Lewis, 1995), a three-by-three contingency table of accuracy was created for each content area and grade, where cell [*i*, *j*] represented the estimated proportion of students whose true score fell into classification *i* (where *i* = 1 to 3) and observed score into classification *j* (where *j* = 1 to 3). The sum of the diagonal entries (i.e., the proportion of students whose true and observed classifications matched) signified overall accuracy.

To calculate consistency, true scores were used to estimate the joint distribution of classifications on two independent, parallel test forms. Following statistical adjustments per Livingston and Lewis (1995), a new three-by-three contingency table was created for each content area and grade and populated by the proportion of students who would be categorized into each combination of classifications according to the two (hypothetical) parallel test forms. Cell [*i*, *j*] of this table represented the estimated proportion of students whose observed score on the first form would fall into classification *i* (where *i* = 1 to 3) and whose observed score on the second form would fall into classification *j* (where *j* = 1 to 3). The sum of the diagonal entries (i.e., the proportion of students categorized by the two forms into exactly the same classification) signified overall consistency.

Another way to measure consistency is to use Cohen's (1960) coefficient κ (kappa), which assesses the proportion of consistent classifications after removing the proportion of consistent classifications that would be expected by chance. It is calculated using the following formula:

$$\kappa = \frac{(\text{Observed agreement}) - (\text{Chance agreement})}{1 - (\text{Chance agreement})} = \frac{\sum_i C_{ii} - \sum_i C_{i.} C_{.i}}{1 - \sum_i C_{i.} C_{.i}}$$

where

$C_{i.}$ is the proportion of students whose observed performance level would be Level *i* (where *i* = 1 – 3) on the first hypothetical parallel form of the test;

$C_{.i}$ is the proportion of students whose observed performance level would be Level *i* (where *i* = 1 – 3) on the second hypothetical parallel form of the test; and

C_{ii} is the proportion of students whose observed performance level would be Level *i* (where *i* = 1 – 3) on both hypothetical parallel forms of the test.

Because κ is corrected for chance, its values are lower than are other consistency estimates.

The accuracy and consistency analyses described above are provided in Appendix L. The table includes overall accuracy and consistency indices, including kappa. Accuracy and consistency values conditional upon performance level are also given. For these calculations, the denominator is the proportion of students associated with a given performance level. For example, the conditional accuracy value is 0.90 for Emergent for grade 3 mathematics. This figure indicates that among the students whose true scores placed

them in this classification, 90% would be expected to be in this classification when categorized according to their observed scores. Similarly, a consistency value of 0.87 indicates that 87% of students with observed scores in the Emergent level would be expected to score in this classification again if a second, parallel test form were used.

For some testing situations, of greatest concern may be decisions around level thresholds. For example, in testing done for NCLB accountability purposes, the primary concern is distinguishing between students who are proficient and those who are not yet proficient. In this case, the accuracy of the Emergent/Achieved threshold is of greatest interest. For the 2013–14 Florida Alternate Assessment, Table L-2 in Appendix L provides accuracy and consistency estimates at each cutpoint, as well as false positive and false negative decision rates. (A false positive is the proportion of students whose observed scores were above the cut and whose true scores were below the cut. A false negative is the proportion of students whose observed scores were below the cut and whose true scores were above the cut.)

The above indices are derived from Livingston and Lewis's (1995) method of estimating the accuracy and consistency of classifications. It should be noted that Livingston and Lewis discuss two versions of the accuracy and consistency tables. A standard version performs calculations for forms parallel to the form taken. An "adjusted" version adjusts the results of one form to match the observed score distribution obtained in the data. Figure L-1 uses the standard version for two reasons: (1) this "unadjusted" version can be considered a smoothing of the data, thereby decreasing the variability of the results; and (2) for results dealing with the consistency of two parallel forms, the unadjusted tables are symmetrical, indicating that the two parallel forms have the same statistical properties. This second reason is consistent with the notion of forms that are parallel; that is, it is more intuitive and interpretable for two parallel forms to have the same statistical distribution.

Note that, as with other methods of evaluating reliability, DAC statistics calculated based on small groups can be expected to be lower than those calculated based on larger groups. For this reason, the values presented in Appendix L should be interpreted with caution. Note also that, in the absence of research on DAC statistics in the alternate assessment arena, no guidelines are available for how to interpret the strength of the values. Finally, it is important to remember that it is inappropriate to compare DAC statistics between grades and content areas.

10.3 GENERALIZABILITY

Because the Florida Alternate Assessment is administered by individual teachers, in addition to the usual sources of error associated with regular assessments, there is always the question of how well student performance generalizes across test administrators. A video scoring study, designed to examine administrator effects, was conducted in 2008–09. A small sample of students was chosen and their test administrations were video-recorded and scored by an independent test administrator. Results of the study indicated that, overall, administrator agreement was high, but that there was some variability across items and raters. Results of the

study were used to identify areas in which additional training and/or monitoring would help to minimize rater effects. Complete results of the study can be found in the separate report released in that year and available on the Florida Department of Education website (http://www.fldoe.org/asp/altassessment.asp).

CHAPTER 11 COMPARABILITY

11.1 COMPARABILITY OF SCORES ACROSS YEARS (SCORING RUBRICS)

Comparability of scores across years is regulated through the use of common items; exacting specifications, review, and field-testing for new items; stable rubrics; and standard setting. In addition, comparability is examined through graphical techniques applied to raw scores and performance levels. The set of items used to calculate student scores on the Florida Alternate Assessment reading, mathematics, science, and writing tests remains largely consistent across years. In particular, 75% of the items are repeated (common items) from the previous year; moreover, new items that appear each year have been developed to exacting content standards (as described in Chapter 3) and have undergone intensive internal and external review (as described in Chapter 4) to ensure detailed construct continuity. Furthermore, the field-test statistics are used to ensure comparability of test difficulty across years. In addition, the same scoring rubrics are used from year to year. Use of this design results in raw scores that are expected to be comparable across years.

Comparability was also addressed through standard setting. As mentioned above, performance standards for science were established in 2009; for the remaining content areas (reading, writing, and mathematics), standards were set in 2008. Details of the standard setting procedures can be found in the standard setting reports released in those years. To ensure continuity of score reporting across years, the cuts that were established at those meetings will continue to be used in future years, until it is necessary to reset standards. The raw score cutpoints for the Florida Alternate Assessment, as established via standard setting, are presented in Table 11-1.

Table 11-1. 2013–14 Florida Alternate Assessment: Cut Scores on the Raw Score Reporting Scale by Subject and Grade

Subject	*Grade*	*Raw Score*									
		Minimum	*Cut 1*	*Cut 2*	*Cut 3*	*Cut 4*	*Cut 5*	*Cut 6*	*Cut 7*	*Cut 8*	*Maximum*
Mathematics	3	0	23	39	58	71	87	99	111	126	144
	4	0	23	42	58	70	87	99	111	127	144
	5	0	25	40	58	73	87	99	111	124	144
	6	0	26	39	58	72	88	99	112	127	144
	7	0	26	41	58	70	87	99	111	127	144
	8	0	27	41	58	70	86	99	111	127	144
	9	0	24	42	58	71	91	99	108	131	144
	10	0	29	45	58	70	92	99	109	130	144
Reading	3	0	24	40	63	70	85	99	106	120	144
	4	0	28	44	63	72	86	99	107	118	144
	5	0	29	44	63	71	86	99	111	123	144
	6	0	28	45	63	78	89	99	112	124	144
	7	0	28	45	63	75	90	99	113	127	144
	8	0	26	45	63	74	89	99	112	127	144
	9	0	26	43	63	74	90	99	116	127	144
	10	0	28	43	63	73	88	99	114	127	144
Science	5	0	23	39	59	76	88	103	115	125	144
	8	0	24	40	59	72	85	103	114	125	144
	11	0	24	40	59	72	86	103	112	123	144
Writing	4	0	24	36	64	71	87	99	112	129	144
	8	0	28	41	64	72	87	99	112	126	144
	10	0	25	42	64	74	87	99	112	127	144

To further examine comparability, multi-year graphs were produced. Graphs of the raw score cumulative distributions are provided in Appendix M. Overall shifts in the curves represent changes in overall performance, which could be due to a change in the properties of the items. For example, as the curves move to the right, they represent an increase in performance, which could imply that the item set has become easier. Thus by examining the curves in Appendix M, observations can be made about the comparability of the items over time. To provide means for further examination of comparability across years in terms of standards, Tables N-1 through N-4 in Appendix N show performance-level distributions for 2014 by grade for each content area. The cumulative distributions illustrate graphically whether there have been shifts in the distribution of performance across years, again possibly due to changes in the items.

11.2 LINKAGES ACROSS GRADES

In developing the Florida Alternate Assessment, a content-based approach for addressing continuity across grades was implemented. As described in Chapter 3, the Access Points describe the content to be included in students' instructional programs for each grade level. The Access Points are based on the benchmarks for the Sunshine State Standards, but at reduced levels of complexity. They are designed to follow a developmental continuum of skills that increases across grades. The items, in turn, have been designed to map onto the Access Points by measuring the grade-specific content and skills. This process ensures that the assessment builds upon the appropriate knowledge and skills, thereby reflecting the desired continuity across grades.

Comparability across grades was also addressed through standard setting procedures. Once ratings were completed for all grades in a content area, all panels met as a large content-area group. The panelists were presented cross-grade impact data (the percentage of students at each performance level for each grade level) based on the final round of ratings and were asked to provide feedback as to whether they felt the pattern of results across grades was reasonable or whether any of the cuts needed to be adjusted. Finally, following the standard setting meeting, the resulting cutpoints and impact data were critically evaluated by experts at the FLDOE to ensure that proficiency reflected the desired increase in cognition across grades.

SECTION IV THE VALIDITY EVALUATION

CHAPTER 12 VALIDITY

The purpose of this report is to describe several technical aspects of the Florida Alternate Assessment in an effort to contribute to the accumulation of validity evidence to support its score interpretations. Because it is a combination of a test and its scores that are evaluated for validity, not just the test itself, this report presents documentation to substantiate intended interpretations (AERA, 1999). Each of the chapters in this report contributes important information to the validity argument by addressing one or more of the following aspects of the Florida Alternate Assessment: test development, test administration, scoring, item analyses, reliability, comparability, and reporting.

The Florida Alternate Assessment is based on, and aligned to, the Next Generation Sunshine State Standards Access Points in reading, mathematics, writing, and science. The results are intended to enable inferences about student achievement on Next Generation Sunshine State Standards Access Points, and these achievement inferences are meant to be useful for program and instructional improvement and as a component of school accountability.

Standards for Educational and Psychological Testing (AERA, 1999) provides a framework for describing sources of evidence that should be considered when constructing a validity argument. These sources include evidence based on the following five general areas: test content, response processes, internal structure, relationship to other variables, and consequences of testing. Although each of these sources may speak to a different aspect of validity, they are not distinct *types* of validity. Instead, each contributes to a body of evidence about the comprehensive validity of score interpretations.

12.1 EVIDENCE BASED ON TEST DEVELOPMENT AND STRUCTURE

A measure of test content validity is to determine how well the assessment tasks represent the curriculum and standards for each content area and grade level. This is informed by the item development process, including how the test items align to the curriculum and standards. Viewed through the lens provided by the content standards, evidence based on test content was extensively described in Chapters 3 and 4. Item alignment with Next Generation Sunshine State Standards; item bias, sensitivity, and content appropriateness review processes; and adherence to the test blueprint are all components of validity evidence based on test content. As discussed earlier, all Florida Alternate Assessment test questions are aligned by Florida educators

to specific Next Generation Sunshine State Standards and undergo several rounds of review for content fidelity and appropriateness.

Evidence based on internal structure is presented in the discussions of item analyses and reliability in Chapters 9 and 10. Technical characteristics of the internal structure of the assessments are presented in terms of classical item statistics (item difficulty, item-test correlation, dimensionality, and DIF statistics) and reliability information, including decision accuracy and consistency. In general, statistical indices were within the ranges expected, and the dimensionality analyses strongly supported the unidimensional scoring and associated score interpretations.

In addition, two studies were conducted in 2008–09 that provided validity evidence about the structure of the Florida Alternate Assessment: (1) the Teacher Rating Survey, in which teachers' ratings of their students' performance were compared to the students' actual performance, and (2) the Test-Retest Reliability Study, which investigated whether items on the Florida Alternate Assessment exhibited the desired increase in complexity across the levels (Participatory, Supported, and Independent). These studies provided support for the validity of the assessment and identified areas of focus for its improvement. Complete results of the studies can be found in the separate validity study report released in 2009 and is available on the FLDOE website (http://www.fldoe.org/asp/altassessment.asp).

The Item Characteristics Study completed in 2010–11 provides additional validity evidence for the structure of the Florida Alternate Assessment. The study examined the Complexity Assumption whereby the difficulty of test questions within each item increased with each level of complexity (i.e., questions written to Access Points at the Independent level of complexity are more difficult than Supported questions, which are in turn more difficult than Participatory questions). In order to confirm that the questions within each item are in order of hierarchical difficulty, the entire test was administered to students without scaffolding. The vast majority of item scores displayed statistical significance in complete support of the Complexity Assumption. The increase in difficulty was observable at all grade levels tested. Complete results of the study can be found in the *Florida Alternate Assessment Item Characteristics Study: Analysis of Item Response Data and Summary of Results 2011–2012* report on the FLDOE website (http://www.fldoe.org/asp/altassessment.asp).

12.2 Other Evidence

The training and administration information in Chapter 5 describes the steps taken to train the teachers/test administrators on administration and scoring procedures, which, in turn, are described in detail in Chapter 6. Tests are administered according to state-mandated standardized procedures, as described in the administration manual. These efforts to provide thorough training opportunities and materials help maximize consistency of administration and scoring across teachers, which enhances the quality of test scores and, in turn, contributes to validity. In addition, a Video Scoring and Administration Rating study was conducted in 2008–09. While results of the study indicated that scoring and administration procedures were being followed

to a high degree overall, there were also some areas identified for improvement in order to enhance the validity of the assessment.

Evidence on the consequences of testing is addressed in the reporting information provided in Chapter 8. This chapter speaks to efforts undertaken to provide the public with accurate and clear test score information. Performance levels give reference points for mastery at each grade level, a useful and simple way to interpret scores. Several different standard reports were provided to stakeholders.

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APPENDICES

APPENDIX A—FLORIDA STAKEHOLDER LISTS

Table A-1. 2013–14 Florida Alternate Assessment: Technical Advisory Committee

Name	*Position*	*Function*
Dr. Charles DePascale	Senior Associate, The National Center for the Improvement of Educational Assessment	Member
Dr. Claudia P. Flowers	Professor, Department of Educational Administration, Research, and Technology, the University of North Carolina at Charlotte	Member
Dr. Stephen G. Sireci	Professor of Education and Co-Chairperson of the Research and Evaluation Methods Program and Director of the Center for Educational Assessment in the School of Education, the University of Massachusetts at Amherst	Member

Table A-2. 2013–14 Florida Alternate Assessment: Advisory Committee

Name	*Position*	*Function*
Amy Van Bergen	Down Syndrome Association of Central Florida	Member
Dr. Carol Allman	Consultant	Member
Jill Brookner	Alternate Assessment Coordinator	Member
Joyce Austin	Alternate Assessment Coordinator	Member
Melissa Herring	ESE Teacher	Member
Rebecca Nance	ESE Teacher	Member
Robin Meyers	Principal	Member
Dr. Rosalind Hall	Director of Exceptional Student Education (ESE) and Student Services	Member
Sandra Olivia	ESE Teacher	Member
Sandra White	ESE Teacher	Member
Sheryl Sandvoss	Director; Florida Inclusion Network	Member
Dr. Stacie Whinnery	Professor; School of Education; University of West Florida	Member
Sue Davis-Killian	Parent	Member
Susan Clark	Mathematics Specialist for the Deaf and Hard of Hearing; Florida School for the Deaf and Blind (FSDB)	Member

Table A-3. 2013–14 Florida Alternate Assessment: March 2013 Passage Bias Review Committee

Name	*District*	*Position*	*Gender*	*Ethnicity*
Dave Meharg	FSDB	Visual Impairment (VI) Specialist	Male	White
Diana Ramlall	Palm Beach	ESE Teacher	Female	N/A
Lauri Louwsma	Leon	ESE Teacher	Female	White
Leanne Grillot	FLDOE	Program Specialist, VI/Deaf or Hard of Hearing/Dual-Sensory Impairment	Female	White
Mark Drennan	FLDOE	Program Specialist, Title III	Male	White
Melissa Herring	Leon	Special Education (SpEd) Teacher	Female	White
Pascale Atouriste	Broward	Specialized Varying Exceptionalities (SVE)Teacher/ ESE Department Chair	Female	Not Reported

Table A-4. 2013–14 Florida Alternate Assessment: Content Review Committee—Mathematics

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Margie Haugh	Lee - 36	All	ADMIN	Female	White non Hispanic
David O'Brien	Brevard - 05	All	ADMIN	Male	White non Hispanic
Matthew Elixson	Union - 63	Middle	GEN ED	Male	White non Hispanic
Delia Pogorzelski	Leon - 37	Middle	GEN ED	Female	White non Hispanic
Paula Wilson	Washington - 67	Elementary	GEN ED	Female	White non Hispanic
Debra Doster	Volusia - 64	Middle	SPED	Female	Hispanic
Kristin Neumann	Citrus - 09	High	SPED	Female	White non Hispanic
Elizabeth Phillips	Polk - 53	Elementary	SPED	Female	White non Hispanic
Freida Strickland	Levy - 38	All	SPED	Female	Black non Hispanic

Table A-5. 2013–14 Florida Alternate Assessment: Content Review Committee—Reading

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Mary Asciutto	Highlands - 28	Middle & High	ADMIN	Female	White non Hispanic
Michael Elmore	Volusia - 64	Middle	ADMIN	Male	White non Hispanic
Laurester Kelly	Palm Beach - 50	High	GEN ED	Male	Black non Hispanic
Eugenia Salvo	Dade - 13	High	GEN ED	Female	Hispanic
Jenny Strickland	Washington - 67	Middle	GEN ED	Female	White non Hispanic
Lisa Woulard-Akinsola	Leon - 37	Elementary	GEN ED	Female	Black non Hispanic
Thomas Allard	Volusia - 64	Middle	SPED	Male	White non Hispanic
Monica Griffey	F.S.D.B. - 68	Middle & High	SPED	Female	White non Hispanic
Yverose Midy-Placide	Dade - 13	High	SPED	Female	Black non Hispanic
Rita Rogers	Union - 63	Elementary	SPED	Female	White non Hispanic

Table A-6. 2013–14 Florida Alternate Assessment: Content Review Committee—Science

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Ann Ehler	Brevard - 05	Elementary	GEN ED	Female	White non Hispanic
Angela Hopkins	Dade - 13	Middle	GEN ED	Female	Black non Hispanic
Devon Stewart	Okaloosa - 46	High	GEN ED	Female	White non Hispanic
Farisha Ali-Bhola	Volusia - 64	High	SPED	Female	Asian or Pacific Islander
Nancy McElligott	Broward - 06	Elementary	SPED	Female	White non Hispanic
Bruce McVae	Citrus - 09	Elementary	SPED	Male	White non Hispanic
Betsy Pittinger	Leon - 37	Middle & High	SPED	Female	White non Hispanic

Table A-7. 2013–14 Florida Alternate Assessment: Content Review Committee—Writing

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Matthew Krajewski	Volusia - 64	Middle	ADMIN	Male	White non Hispanic
Kristen LePage	Pasco - 51	Elementary	ADMIN	Female	White non Hispanic
Jodie Capron	Brevard - 05	Middle	GEN ED	Female	White non Hispanic
Sue Cox	Pasco - 51	Elementary	GEN ED	Female	White non Hispanic
Amy Jordan	Calhoun - 07	Middle	GEN ED	Female	White non Hispanic
Sharon Brown	Marion - 42	Middle	SPED	Female	Black non Hispanic
Pauline Hewitt	Palm Beach - 50	Elementary	SPED	Female	Black non Hispanic
FeLinda Langdale	Glades - 22	Elementary & Middle	SPED	Female	White non Hispanic
Justine Micalizzi	Charlotte - 08	High	SPED	Female	Multiracial

Table A-8. 2013–14 Florida Alternate Assessment: Bias Review Committee—Mathematics & Science

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Maggie Reynolds	Polk - 53	All	ADMIN	Female	White non Hispanic
Nadine Stokes	Marion - 42	Elementary	ADMIN	Female	Black non Hispanic
Lisa Folz	Manatee - 41	Elementary	GEN ED	Female	White non Hispanic
Ian Henry	Palm Beach - 50	High	GEN ED	Male	Black non Hispanic
Alisa Johnson	Volusia - 64	Middle	GEN ED	Female	Black non Hispanic
Edythe Miller	Brevard - 05	Middle	GEN ED	Female	Black non Hispanic
Fannie Dixon Smith	Gadsden - 20	High	SPED	Female	Black non Hispanic
Bettye Florio	Marion - 42	Middle	SPED	Female	White non Hispanic
Pierre Hilaire	Desoto - 14	Elementary	SPED	Male	Multiracial
Carey Roberts	F.S.D.B. - 68	Elementary	SPED	Female	White non Hispanic

Table A-9. 2013–14 Florida Alternate Assessment: Bias Review Committee—Reading & Writing

Name	*District*	*Grade*	*Position*	*Gender*	*Ethnicity*
Mary Lou Darby	Santa Rosa - 57	All	ADMIN	Female	White non Hispanic
Dwanette Dilworth	Marion - 42	All	ADMIN	Female	Black non Hispanic
Martin Hillier	St. Johns - 55	High	GEN ED	Male	White non Hispanic
Magda Mackenzie-Parrales	Pasco - 51	Elementary	GEN ED	Female	Hispanic
John Miller	Palm Beach - 50	Middle	GEN ED	Male	White non Hispanic
Katty Chois	Pasco - 51	Elementary	SPED	Female	Hispanic
Jannie Fernandez	Dade - 13	High	SPED	Female	Hispanic
Elizabeth Gulino	Pinellas - 52	High	SPED	Female	Hispanic
Krista-Leigh Hodess	Broward - 06	All	SPED	Female	White non Hispanic

APPENDIX B—STUDENT PARTICIPATION RATES

Table B-1. 2013–14 Florida Alternate Assessment: Summary of Participation by Demographic Category—Mathematics*

Description	*Number Enrolled*	*Percent Tested*
All Students	21,935	100
Male	12,011	54.76
Female	6,083	27.73
Gender Not Reported	3,841	17.51
Asian	402	1.83
Pacific Islander	16	0.07
Black non-Hispanic	5,487	25.01
Hispanic	5,010	22.84
American Indian or Alaskan Native	69	0.31
Multiracial	524	2.39
White non-Hispanic	6,586	30.03
Ethnicity Not Reported	3,841	17.52
Economically Disadvantaged	10,934	49.85
Not Economically Disadvantaged	11,001	50.15
Limited English Proficient	1446	6.59
Non Limited English Proficient	20,489	93.41

* Data source: Florida Department of Education

Table B-2. 2013–14 Florida Alternate Assessment: Summary of Participation by Demographic Category—Reading*

Description	*Number Enrolled*	*Percent Tested*
All Students	21,937	100
Male	12,004	54.72
Female	6,074	27.69
Gender Not Reported	3,859	17.59
Asian	402	1.83
Pacific Islander	15	0.07
Black non-Hispanic	5,480	24.98
Hispanic	5,018	22.87
American Indian or Alaskan Native	69	0.31
Multiracial	523	2.38
White non-Hispanic	6,571	29.95
Ethnicity Not Reported	3,859	17.61
Economically Disadvantaged	10,925	49.8
Not Economically Disadvantaged	11,012	50.2
Limited English Proficient	1448	6.6
Non Limited English Proficient	20,489	93.4

* Data source: Florida Department of Education

Table B-3. 2013–14 Florida Alternate Assessment: Summary of Participation by Demographic Category—Science*

Description	*Number Enrolled*	*Percent Tested*
All Students	8,198	100
Male	4 652	56.75
Female	2,497	30.46
Gender Not Reported	5,701	12.79
Asian	157	1.92
Pacific Islander	5	0.06
Black non-Hispanic	2,183	26.63
Hispanic	1,906	23.25
American Indian or Alaskan Native	25	0.3
Multiracial	204	2.49
White non-Hispanic	2,669	32.56
Ethnicity Not Reported	1,049	12.79
Economically Disadvantaged	4,260	51.96
Not Economically Disadvantaged	3,938	48.04
Limited English Proficient	440	5.37
Non Limited English Proficient	7,758	94.63

* Data source: Florida Department of Education

Table B-4. 2013–14 Florida Alternate Assessment: Summary of Participation by Demographic Category—Writing*

Description	*Number Enrolled*	*Percent Tested*
All Students	8,076	100
Male	4,537	56.18
Female	2,412	29.87
Gender Not Reported	1,127	13.95
Asian	145	1.8
Pacific Islander	6	0.07
Black non-Hispanic	2,118	26.23
Hispanic	1,866	23.11
American Indian or Alaskan Native	23	0.28
Multiracial	203	2.51
White non-Hispanic	2,588	32.05
Ethnicity Not Reported	1,127	13.95
Economically Disadvantaged	4,219	52.24
Not Economically Disadvantaged	3,857	47.76
Limited English Proficient	526	6.51
Non Limited English Proficient	7,550	93.49

* Data source: Florida Department of Education

APPENDIX C—ITEM SPECIFICATIONS DOCUMENT

Florida Alternate Assessment
Test Designs, Blueprints, and Item Specifications for Reading, Writing, Mathematics, and Science

2013-2014 Assessment

Measured Progress

Prepared by Measured Progress for the
Florida Department of Education

Table of Contents

Overview

The 2013–2014 alternate assessment design for Florida is based on the Next Generation Sunshine State Standards with three levels of Access Points (Independent, Supported, and Participatory) providing students with a tiered entry into the assessment. This is critical as educators seek to provide access to the general education curriculum and foster higher expectations for the wide diversity of students with significant cognitive disabilities.

The Access Points were used to develop an assessment blueprint that will serve as the foundation for structured student performance tasks. These assessments contain performance tasks consisting primarily of selected response and some open response items. The design is an innovative approach that provides test administrators with structured tasks comprised of item sets that reflect typical classroom activities that mostly contain three response options for students to select from using the individual communication system they are most familiar with.

All math, reading, and writing items that will be field tested in the Spring 2014 Florida Alternate Assessment will be written to the Common Core State Standards. Standards for the 2014 spring assessment will be chosen to provide teachers and students with a variety and depth in exposure to Common Core. All targeted standards will be backed down in complexity to reveal the core “essence” of the standard. These Essences will serve as the new Access Points for the 2014 field test assessment items. Science items that will be field tested in the 2014 assessment will continue to be written to the Next Generation Sunshine State Standards. For each of the field test items being developed for the 2014 assessment, the components, complexity indices, and overall item specifications will be consistent with previous field test development.

Items

Students who use communication supports are assessed more accurately when they are provided with structured response options within a performance task. Students who have greater access to verbal or written communication modes will be able to respond to open or constructed response items. For example, when a nonverbal student with mobility challenges is asked a question and presented with the choices for the answer, that student may use eye gaze to indicate the preferred choice, hit a switch from among several pre-programmed switches, point to one choice, etc.

Items that require a constructed response or multi-step performance, such as organizing pictures to show the order of events in a story, are often more challenging for this population of students. Therefore, we have incorporated an element of Universal Design in the development of the alternate performance tasks to build a test on which all students, even those with the most significant communication challenges, have the opportunity to respond accurately. We typically present three options to students when multiple response options are required. This limits the cognitive load of the item and adheres to recommendations of Haladyna and Downing,[1], who contend that more than three acceptably performing distractors are rarely found.

Within each item set, each of the three Access Points is addressed. Each student starts at the Participatory level. A student who completes the Participatory level item accurately without assistance moves on to the Supported level item. In this way, the student moves up through the Access Points as long as he or she is able to respond accurately and independently. Scaffolding only occurs at the Participatory level item. Scaffolding occurs for a student who is unable to complete the Participatory level item accurately and independently. The student will be presented the item again with one distractor removed; if the student is able to accurately respond he or she will be scored at two points. If the student is still unable to accurately respond, the item is presented again with another distractor removed (leaving only the correct answer) and the student is asked to actively engage with the correct answer. At any point within the Participatory level item, if the student will not engage or actively refuses, the student will score zero.

The student receives a final score for the item set based on the highest level at which he or she answered correctly. For example, if the student is unable to complete the item at the Supported level, he or she retains the three-point score from the Participatory level. However, if he or she is able to complete the Supported item, the teacher will next administer the Independent level item. If the student is unable to complete the independent item accurately, a score of six points is awarded. However, if the student completes the independent item accurately, the teacher will record a score of nine points.

[1] Haladyna, T.M., & Downing, S.M. (1993). How many options is enough for a multiple-choice test item? *Educational and Psychological Measurement*, *53*(4), 999–1010. DOI 10.1177/0013164493053004013.

0	1	2	3	6	9
No response, student actively refuses or does not engage at any point during the Participatory level	Student responds correctly after the removal of two distractors at the Participatory level	Student responds correctly after the removal of one distractor at the Participatory level	Student responds correctly at the Participatory level	Student responds correctly at the Supported level	Student responds correctly at the Independent level

Test administrators are given with auxiliary materials, such as sentence strips, when they are required for an item. Auxiliary materials are prepared in an 11 x 17 response booklet format for reading, mathematics, and science. There are minimal cut outs in these content areas. Writing will have all auxiliary materials provided as cut outs. The test booklets include scripting for the test administrator to follow as they administer the assessment, increasing procedural reliability. Some items will include the use of teacher-gathered classroom materials that students are familiar with, giving students the best opportunity to demonstrate their knowledge and skills.

Test Booklet Components

Each content area section of the test booklet begins with an overview of the strands and standards being assessed at that grade and a list of classroom materials that the test administrator should gather to augment the materials sent with the test booklet (e.g., for mathematics, counting blocks may be required).

The test booklet itself includes item sets that describe the materials provided, materials needed from the classroom, teacher scripting at each Access Point, the expected student response, the Access Point being assessed, and a place to score the student on each item set.

The test booklet was designed with the test administrators in mind, understanding that teachers need to easily refer to the test booklets during administration and scoring.

Item Components

Each item set includes an overview, the Access Points being assessed, and the materials needed. The components for each item set are:

Materials	Access Point	Teacher Will	Student Will	Scoring

- The *Materials* column outlines for the test administrator which materials will be needed for the item. Both the materials that are provided for the administrator and materials the administrator may need to gather from the classroom are identified. Graphics will be named for administrators to use in order to standardize terminology as needed. It is important that the graphics be carefully and appropriately named in order to provide students with visual impairments the most access to an item. For example, a picture of a teddy bear will be named “teddy bear” and not “toy.”

- The *Access Point* column lists the Access Point that the item is targeting.

- The *Teacher Will* column consists of a clear set of directions for setting up the item and scripting for what the test administrator should ask the student.
- The *Student Will* column indicates the response that the test administrator needs to look for from the student, taking into consideration the communication mode appropriate for each student.
- The *Scoring* column provides a space for the test administrator to mark the score the student received on the item.

Complexity Indices

Complexity indices have been developed to ensure increasing complexity within an item from the Participatory level to the Supported level and from the Supported level to the Independent level. All items should be developed using the Depth of Knowledge (DOK), found in Appendix A, and the Presentation Rubric found in Appendix B. Items should increase by at least one rating level, whether it is in the DOK or within one of the three components of the Presentation Rubric (Volume of Information, Vocabulary, and Context).

The attached DOK and Presentation Rubric will be applied to newly developed items in the spring 2014 assessment. Common items developed in prior years of the assessment are not necessarily assigned or developed from the current Depth of Knowledge or Presentation Rubric.

Generally, items are not written to DOK level 1. Likewise, no items are written to the DOK 6 level because of the investigative nature of this level. DOK content clarification examples are not exhaustive and general performance verbs are not the defining criteria for classification. Similarly, examples throughout the Presentation Rubric are also not exhaustive nor should they be used as the defining criteria for classification.

Number of Items by Content and Grade Level

Each content/grade level operational test is composed of 16 common items with four embedded field test items. There are two forms of each grade level test for a total of eight total embedded field test items in each content area at each grade level. The test design and blueprint vary by content area and are described in the content area sections that follow.

Grade	Reading	Mathematics	Writing	Science	Total # Test Items
3	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B			**40**
4	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B		**60**
5	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B		16 Common 4 Field Test, Form A 4 Field Test, Form B	**60**
6	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B			**40**
7	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B			**40**
8	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B	**80**
9	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B			**40**
10	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B		**60**
11	16 Common 4 Field Test, Form A 4 Field Test, Form B	16 Common 4 Field Test, Form A 4 Field Test, Form B		16 Common 4 Field Test, Form A 4 Field Test, Form B	**20**
Total Items	**128 Common 64 Field Test**	**128 Common 64 Field Test**	**48 Common 24 Field Test**	**48 Common 24 Field Test**	

Reading

Design

Common Items

The reading design consists of two strands that are measured by the items in the test. In addition, two to three standards for each of the two strands are identified for assessment. Each standard consists of two to four items for a total of sixteen common reading items.

Embedded Field Test Items

All 2014 field test items for reading will be written to the Common Core State Standards.
Grades 3-5: Eight items will be developed to address seven Common Core Reading Anchor Standards. Three standards from the Reading Literary Text strand, three standards from the Reading Informational Text strand, and one from the Reading Foundational Skills strand.
Grades 6-7: Eight items will be developed to address six Common Core Reading Anchor Standards. Three standards from the Reading Literary Text strand and three standards from the Reading Informational Text strand.
Grades 9-10: Eight items will be developed to address five Common Core Reading Anchor Standards. Two standards from the Reading Literary Text strand and three standards from the Reading Informational Text strand.

Blueprint

In developing the test blueprint for reading, Measured Progress staff examined several documents:

- Florida Comprehensive Assessment Test (FCAT) Reading 2006 Grades 3–10 Test Focus
- FCAT Reading Test Item and Performance Task Specifications
- FCAT Summary of Tests and Design, September 2005
- Draft FCAT Writing + Test Item Specifications, Grades 3–12 © 2005 Florida Department of Education
- Florida's 2006 Sunshine State Standards for K-12 Reading and Language Arts
- Language Arts Draft Crosswalk, Grades 3–10

We examined the FCAT Reading 2006 Test Focus and noted the benchmarks that were covered. We mapped these benchmarks on the old standards and then used the Language Arts Draft Crosswalk to map the standards to the 2006 Sunshine State Standards for K-12 Reading and Language Arts. This showed us the distribution of standard coverage against the 2006 Sunshine State Standards. We also noted the Access Points for the particular benchmarks in the General Education Frameworks. These notations confirmed the alignment of the Access Points on which we test the students with significant cognitive disabilities to the indicators on which we test general education students. The items for the Florida Alternate Assessment were written to the

Next Generation Sunshine State Standards using the Access Points that were approved by the State Board of Education.

Based on our analysis of coverage in the FCAT, the two Reading Strands that Measured Progress recommended for coverage are Reading Process and Literary Analysis. Each of these strands has multiple standards and varied grade level distribution in the FCAT. In Reading Process, the three standards covered most across grade levels are Fluency, Vocabulary Development, and Reading Comprehension.

Assessing fluency through evaluating the accuracy, rate, and expression of students reading proves to be challenging for this population. Many students have low levels of speech and language skills and/or use alternative communication devices. In grades 3 through 5, fluency is assessed through letter and word recognition. For grades 6 through 10, items are designed to measure fluency by requiring the student to independently read text and then respond to a basic reading comprehension since components of fluency skills are inherently required. Therefore, items assessing fluency in grades 6 through 10 are coded to both the Fluency and Reading Comprehension standards.

Reading Comprehension is the purpose of reading; therefore, it is sensible to test all students on this standard. Learning vocabulary skills at the lower grades allows students to become adept at increasing their reading vocabulary. At grades 9 and 10, however, the Crosswalk pointed to concepts not applicable in the Old Standards: Strand 3: Information and Media Literacy. Therefore, this new strand which synthesizes many of the benchmark skills tested in earlier grades, was selected to be tested at grade 10. For the Literary Analysis we follow the FCAT balance of fiction and nonfiction with the particular grade level emphasis.

The distribution for each benchmark is consistent with the distribution on the FCAT. Note: not every standard and benchmark is tested in the FCAT.

2013-2014 Reading Common Item Blueprint

Strand 1: Reading Process	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 5: Fluency	The student demonstrates the ability to read grade level text orally with accuracy, appropriate rate, and expression.							
	4	4	4	4	4	4	4	4
LA._.1.5.1*	4	4	4	4	4	4	4	4
Standard 6: Vocabulary Development	The student uses multiple strategies to develop grade appropriate vocabulary.							
	3	**3**	**3**	**3**	**3**	**3**	**3**	**0**
LA._.1.6.1					1	2	1	
LA._.1.6.3					2	1		
LA._.1.6.4				3				
LA._.1.6.5			1				2	
LA._.1.6.6		1	1					
LA._.1.6.7	1	1						
LA._.1.6.8	1	1	1					
LA._.1.6.10	1							
Standard 7: Reading Comprehension	The student uses a variety of strategies to comprehend grade level text.							
	3	**3**	**3**	**3**	**3**	**3**	**3**	**4**
LA._.1.7.2	1	1		1	1	1	1	1
LA._.1.7.3*	1	2	2	2	1	1	1	2
LA._.1.7.5	1		1			1		
LA._.1.7.7					1		1	1

*As referenced above, fluency items (LA._1.5.1) are now tagged to reading comprehension benchmarks (LA_1.7.3)

Strand 2: Literary Analysis	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 1: Fiction	The student identifies, analyzes, and applies knowledge of the elements of a variety of fiction and literary texts to develop a thoughtful response to a literary selection.							
	3	4	3	3	3	3	3	3
LA._.2.1.1								
LA._.2.1.2		2		3	3	3		
LA._.2.1.5							3	3
LA._.2.1.6	3	2	3					
Standard 2: Non-Fiction	The student identifies, analyzes, and applies knowledge of the elements of a variety of nonfiction, informational, and expository texts to demonstrate an understanding of the information presented.							
	3	2	3	3	3	3	3	3
LA._.2.2.2	2	1		2	2	2	3	3
LA._.2.2.3	1	1	3	1	1	1		

Strand 6: Information and Media Literacy	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Standard 2: Research Process	The student uses a systematic process for the collection, processing, and presentation of information.							
	0	0	0	0	0	0	0	2
LA._.6.2.2								1
LA._.6.2.3								1

2013-2014 Reading Embedded Field Test Item Blueprint

Common Core Anchor Standard	Common Core State Standard	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10
Literature: Key Ideas and Details	LACC._.RL.1.1	1					1	1	1
	LACC._.RL.1.2		2				1		1
	LACC._.RL.1.3			1 1	1	1			
Literature: Craft and Structure	LACC._.RL.2.4	1			1	1			1
	LACC._.RL.2.5		1				1		
	LACC._.RL.2.6			1 1			1 1		1
Literature: Integration of Knowledge and Ideas	LACC._.RL.3.7	1		1			1		
	LACC._.RL.3.8								
	LACC._.RL.3.9		1		1	1	1		
Informational: Key Ideas and Details	LACC._.RI.1.1		1				1	1	1
	LACC._.RI.1.2	1							
	LACC._.RI.1.3					1			
Informational: Craft and Structure	LACC._.RI.2.4	2		1			1	1	
	LACC._.RI.2.5		1 2		1	1	1		
	LACC._.RI.2.6			1 1		1	1	1	
Informational: Integration of Knowledge and Ideas	LACC._.RI.3.7		1		1			1	
	LACC._.RI.3.8	1				1			1
	LACC._.RI.3.9			1			1	1	
Phonics and Word Recognition	LACC._.RF.3.3	1	1	1					

Passage Specifications

Passage topics follow the general specifications provided in the FCAT Reading Test Item and Performance Task Specifications. All passages are written specifically for this test. They are engaging and high quality, free from bias and stereotyping, age appropriate for the students, present different points of view, and include universal themes. The passages also bring a range of diversity to the test, reflecting the variety of interests and backgrounds that make up Florida's student population. For example, some characters have names that reflect the diverse populations of Haitian-Creoles and Hispanics. Informational passages provide accurate, fact-checked information. Most importantly, the passages meet the needs of the Sunshine State Standards.

"Familiar stories" is a phrase used in the Access Points. Since the passages are being written for the test, the passages are about topics that are familiar to students at specific grade levels. For students in the elementary grades, the topics relate to family or school life and opportunities students generally have in school. For students at the middle school grades, topics are also familiar but expand to more school wide opportunities, outside the classroom. Students at the high school grades see passages related to family, school, and work transitions. Passages are age appropriate.

The balance of Literary to Informational Texts varies from grade to grade following this chart from page 3 of the FCAT Reading Test Item and Performance Task Specifications.

Grade	Literary Text	Informational Text
3	60%	40%
4	60%	40%
5	50%	50%
6	50%	50%
7	40%	60%
8	40%	60%
9	30%	70%
10	30%	70%

Passage forms follow the specifications from page 4 of the FCAT Reading Test Item and Performance Task Specifications.

Forms of Informational Text	Forms of Literary Text
• Subject-area text (e.g., science, history) • Magazine and newspaper articles • Diaries • Editorials • Informational essays • Biographies and autobiographies • Primary Sources (e.g., Bill of Rights) • Consumer Materials • How-to articles • Advertisements • Tables and graphics (e.g., illustrations, photographs, and captions)	• Short stories • Literary essays (e.g., critiques, personal narratives) • Excerpts • Poems • Historical fiction • Fables and folk tales • Plays

Graphics, for both passages and item response options, are black and white line drawings with limited grayscale to be used only as needed. For example, if a student has a cast on, it is shaded so it stands out.

Passages include one graphic that sets the scene/event of the story. The graphic is the main idea/essence of the passage. The graphic leaves out all extraneous information.

All passages include a caption describing the passage graphic in detail for students with visual impairments.

Passage length varies from the specifications for general education tests. Because of the needs of this particular population, the number of words in the passages is about 50 percent fewer than the lowest range at a particular grade level. For example, at grade 3 the range of number of words is 100–700 for the general education population. For this test, the range is 50–75 for grade 3. Some items may require the student to compare or contrast elements from two different passages. For "paired passage" items, each individual passage will follow the grade level specifications. For example, at grade 5, two passages may be provided each between 100-150 words in length.

Grade	Range of Number of Words
3	50–75
4	50–75
5	100–150
6	100–150
7	150–200
8	150–200
9	150–200
10	150–200

Passage Readabilities vary by grade level. The readability for each grade level test does not exceed 3 grade levels below the tested grade, with the exception that grade 10 does not exceed grade 6 readability. For grades 3, 4, and 5, the readabilities are determined using the Spache Scale. For grades 6 through high school, the readabilities are determined by using Powers.

No readability formula is perfect; we recognize readabilities may become somewhat skewed for those passages at grades 3 through 6 that are required to have less than 75 or 150 words total. For passages with fewer total word counts, one or two uncommon words easily increase readability beyond the ideal ranges. We strive to develop passages that are the appropriate length and readability, while containing enough vocabulary and content that allows the assessment of reading skills. For these reasons, we rely heavily on the Passage Bias and Review Committee to ensure passages are appropriate for the student population, while making the test an experience that measures what a student knows and is able to do.

Grade	Readability Range
3	0.5
4	1
5	1–2
6	2–3
7	3–4
8	4–4.5
9	4.6–4.8
10	5–6

Passages are written so the first paragraph or in some cases, the first sentence, can stand on its own. Participatory items are developed from this first paragraph or from the first sentence. It is important that items at this level can be answered directly from the information in the paragraph read to the student.

Fluency Strand items have the following specifications:

- Letter and word recognition are for grades 3 through 5.
- The student reads one to two sentences at the Supported level in grades 6 through 10.
- The student reads a short (three to four sentences) paragraph at the independent Level in grades 6 through 8.
- The student reads one long or two short paragraphs at the independent level in grades 9 and 10.

Writing

Design

Common Items

The writing design consists of two strands that are measured by the items in the test. In addition, at grades 8 and 10, two standards for each of the two strands are identified for assessment. At grade 4, three standards are assessed for the first strand and one standard for the second strand. Each standard consists of one to five items for a total of sixteen common writing items.

Embedded Field Test Items

All 2014 field test items for writing will be written to the Common Core State Standards. Eight field test items will be written per grade to address four targeted Common Core domains: Conventions, Text Type and Purposes, Production and Distribution of Writing, and Research to Build and Present Knowledge.

Blueprint

In developing the test blueprint for Writing, Measured Progress examined the same documents listed for reading and followed the same methodology. We found the LA.3.5 standard ("The student will write a final product for the intended audience") identified as an alternate in the Crosswalk documents at all grade levels. We know that students taking this test widely use application to learn, so Writing Applications would be consistent with their learning styles. Table 5a in the FCAT Summary of Tests and Design (September 2005) lists the modes for prompts for the writing portion of the test: narrative, expository, and persuasive. Finally, we found that the Philosophy for FCAT Writing + Assessment (2005) states, "The best way to test student writing is to have students write."

Therefore, we have included the Writing Application Strand for this test. A final product is specified in the Strand, Writing Applications. In addition to the Writing Process Strand, we are including Writing Applications and focusing on narrative writing at grade 4 because this corresponds with general education student instructional learning at that grade level. In grade 8, we turn the focus to expository/informational writing. For grade 10, the focus is on expository/persuasive writing.

Grade	Narrative Writing to tell a story	Expository Writing to explain	Persuasive Writing to convince
4	x		
8	x	x	x
10	x	x	x

This means that for writing, overall, there are two strands assessed –Writing Process and Writing Applications –each with two standards. All grade levels are tested in Standard 4, Editing for Language Conventions. Writing Process Standards are tested at all levels, but the specific standard varies. Standard 1, Pre-Writing is not tested. It could be, but the FCAT emphasizes Drafting at grade 4 and Revising at grade 8. It makes sense to test Revising at grade 10 also, rather than Prewriting. Writing Applications is tested at all levels, but the specific standard varies.

Grades 8 and 10 include open response items, where the student is not supplied with response cards. These writing items focus on real-life application contexts, such as filling out a job application.

2013-2014 Writing Common Item Blueprint

Strand 3: Writing Process	GRADE 4	GRADE 8	GRADE 10
Standard 2: Drafting	The student will write a draft appropriate to the topic, audience, and purpose.		
	5	**0**	**0**
LA._.3.2.1	4		
LA._.3.2.2			
LA._.3.2.3	1		
Standard 3: Revising	The student will revise and refine the draft for clarity and effectiveness.		
	0	**4**	**4**
LA._.3.3.1		2	2
LA._.3.3.2		2	
LA._.3.3.4			2
Standard 4: Editing for Language Conventions	The student will edit and correct the draft for standard language conventions.		
	5	**4**	**5**
LA._.3.4.1	1		1
LA._.3.4.2	1	1	2
LA._.3.4.3	1	2	
LA._.3.4.4	1		2
LA._.3.4.5	1	1	
Standard 5: Publishing	The student will write a final product for the intended audience.		
	1	**0**	**0**
LA._.3.5.1	1		

Strand 4: Writing Applications	GRADE 4	GRADE 8	GRADE 10
Standard 1: Creative	The student develops and demonstrates creative writing.		
	5	**4**	**3**
LA._.4.1.1	5	4	3
Standard 2: Informative	The student develops and demonstrates technical writing that provides information related to real-world tasks.		
	0	**4**	**4**
LA._.4.2.1		2	
LA._.4.2.2		1	
LA._.4.2.3		1	
LA._.4.2.4			1
LA._.4.2.5			1
LA._.4.2.6			2

2013-2014 Writing Embedded Field Test Item Blueprint

Common Core Anchor Standard	Common Core State Standard	GRADE 4	GRADE 8	GRADE 10
Conventions	LACC._.L.1.1	1		1
	LACC._.L.1.2	1	1	
Text Type and Purposes	LACC._.W.1.1	1	1	1
	LACC._.W.1.2	1	1	1
	LACC._.W.1.3	1	1	1
Production and Distribution of Writing	LACC._.W.2.4	1	1	1
	LACC._.W.2.5	1	1	1
	LACC._.W.2.6			
Research to Build and Present Knowledge	LACC._.W.3.7	1	1	1
	LACC._.W.3.8		1	1
	LACC._.W.3.9			

Mathematics

Design

Common Items

The mathematics design consists of two to eight items from each of the three Big Ideas and four to six items from Supporting Ideas for grades 3 through 8 for a total of 16 items assessed. In grades 9 and 10, four Secondary Bodies of Knowledge are assessed at each grade, with two to six items per Body of Knowledge for a total of 16 items.

Embedded Field Test Items

All 2014 field test items for mathematics will be written to the Common Core State Standards. Eight field test items will be developed from mathematics domains addressed at each grade span.
Grades 3-5: Items will be developed to address the following five Common Core math domains: Operations and Algebraic Thinking, Number and Operations in Base 10, Numbers and Operations-Fractions, Measurement and Data, and Geometry.
Grades 6-8: Items will be developed to address the following six Common Core math domains: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, Statistics and Probability, and Functions.
Grades 9-10: Items will be developed to address the following five Common Core math domains: Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability.

Blueprint: Grades 3 through 8

For each of grades 3 through 8, the state's Mathematics Standards contain three Big Ideas and three or more Supporting Ideas. The Big Ideas are few in number and sufficiently broad in scope that it is feasible to have a special education curriculum that encompasses all of them for each grade based on the Access Points defined in the Mathematics Standards document.

As a result, the test blueprint for each grade common assessment contains:

- Two to eight items coded to each of the three Big Ideas
- Four to six items coded to the Supporting Ideas

2013-2014 Math Common Item Blueprint

	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
Big Idea 1	Develop understandings of multiplication and division and strategies for basic multiplication facts and related division facts.	Develop quick recall of multiplication facts and related division facts and fluency with whole number multiplication.	Develop an understanding of and fluency with division of whole numbers.	Develop an understanding of and fluency with multiplication and division of fractions and decimals.	Develop an understanding of and apply proportionality, including similarity.	Analyze and represent linear functions, and solve linear equations and systems of linear equations.
	5	**4**	**4**	**5**	**3**	**4**
MA._.A.01.01	2	4	4	3	2	1
MA._.A.01.02	2			2		
MA._.A.01.03	1				1	
MA._.A.01.05						3
Big Idea 2	Develop an understanding of fractions and fraction equivalence.	Develop an understanding of decimals, including the connection between fractions and decimals.	Develop an understanding of and fluency with addition and subtraction of fractions and decimals.	Connect ratio and rates to multiplication and division.	Develop an understanding of and use formulas to determine surface areas and volumes of three-dimensional shapes.	Analyze two- and three-dimensional figures by using distance and angle.
	2	**4**	**2**	**4**	**4**	**4**
MA._.A.02.01	2	2	1	3		
MA._.A.02.02			1	1		
MA._.A.02.03		1				
MA._.A.02.04		1				
MA._.G.02.01					1	1
MA._.G.02.02					3	1
MA._.G.02.04						2

Big Idea 3	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
	Describe and analyze properties of two-dimensional shapes.	Develop an understanding of area and determine the area of two-dimensional shapes.	Describe three-dimensional shapes and analyze their properties, including volume and surface area.	Write, interpret, and use mathematical expressions and equations.	Develop an understanding of operations on all rational numbers and solving linear equations.	Analyze and summarize data sets.
	5	**4**	**4**	**2**	**4**	**2**
MA._.A.03.01				1		
MA._.A.03.04						
MA._.A.03.06				1		
MA._.G.03.01	2	3	2		4	
MA._.G.03.02	1		2			
MA._.G.03.03	2	1				
MA._.S.03.01						1
MA._.S.03.02						1
Supporting Idea: Algebra	**1**	**1**	**2**	**0**	**0**	**2**
MA._.A.04.01	1		2			2
MA._.A.04.02		1				
Supporting Idea: Geometry and Measurement	**1**	**1**	**2**	**1**	**1**	**2**
MA._.G.04.01				1	1	2
MA._.G.04.02						
MA._.G.05.01						
MA._.G.05.02	1	1	2			
MA._.G.05.03						

Supporting Idea: Number and Operations	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7	GRADE 8
	1	**2**	**1**	**2**	**2**	**2**
MA._.A.05.01					1	
MA._.A.05.02				2	1	
MA._.A.06.01	1	1				
MA._.A.06.02			1			
MA._.A.06.04		1				2
Supporting Idea: Data Analysis	**1**	**0**	**1**	**2**	**1**	**0**
MA._.S.06.01				2		
MA._.S.06.02					1	
MA._.S.07.01	1		1			
Supporting Idea: Probability	**0**	**0**	**0**	**0**	**1**	**0**
MA._.P.07.01					1	

2013-2014 Math Embedded Field Test Item Blueprint
Grades 3-5

Domain/Anchor Standards	Common Core State Standard	GRADE 3	GRADE 4	GRADE 5
Operations and Algebraic Thinking	MACC._.OA.1.2		1	1
	MACC._.OA.1.3	1		
	MACC._.OA.3.5		1	
	MACC._.OA.4.9	1		
Number and Operations in Base 10	MACC._.NBT.1.2	1	1	
	MACC._.NBT.1.3			1
	MACC._.NBT.2.5		1	
	MACC._.NBT.2.6			1
Numbers and Operation – Fractions	MACC._.NF.1.1	1		
	MACC._.NF.1.2		1	1
	MACC._.NF.1.3	1		
	MACC._.NF.2.3		1	
	MACC._.NF.2.4			1
Measurement and Data	MACC._.MD.1.1		1	
	MACC._.MD.2.2			1
	MACC._.MD.2.3	1		
	MACC._.MD.3.3			1
	MACC._.MD.3.7	1		
Geometry	MACC._.G.1.1	1		
	MACC._.G.1.2		1	
	MACC._.G.2.4			1

2013-2014 Math Embedded Field Test Item Blueprint
Grades 6-8

Domain/Anchor Standards	Common Core State Standard	GRADE 6	GRADE 7	GRADE 8
Ratios and Proportional Relationships	MACC._.RP.1.1	1		
	MACC._.RP.1.3		1	
The Number System	MACC._.NS.1.1		1	1
	MACC._. NS.2.2	1		
	MACC._. NS.3.6	1		
Expressions and Equations	MACC._.EE.1.1		1	1
	MACC._.EE.1.2	1		
	MACC._.EE.2.4		1	
	MACC._.EE.2.7	1		
	MACC._.EE.3.7			1
Geometry	MACC._.G.1.1		1	
	MACC._.G.1.2	1		1
	MACC._.G.2.6		1	
	MACC._.G.2.7			1
Statistics and Probability	MACC._.SP.1.1	1		
	MACC._.SP.1.2			1
	MACC._.SP.2.4		1	
	MACC._.SP.2.5	1		
	MACC._.SP.3.5		1	
Functions	MACC._.F.1.1			1
	MACC._.F.2.5			1

Blueprint: Grades 9 and 10

For grades 9 and 10 the Content Standards are organized according to the following Secondary Bodies of Knowledge:

- Algebra
- Geometry
- Probability
- Statistics
- Finite Mathematics
- Financial Literacy

Each Body of Knowledge is organized by a number of standards, and for each standard there are a set of Access Points given.

The test design does presume an emphasis on Algebra and Geometry that is typical of the curriculum for these grades in most states, along with coverage of the four other Bodies of Knowledge.

Grade 9

- Six items from the Algebra body of knowledge
- Four items from the Geometry body of knowledge
- Four items from the Financial Literacy of knowledge
- Two items from the Finite Mathematics body of knowledge

Grade 10

- Four items from the Algebra body of knowledge
- Four items from the Geometry body of knowledge
- Four items from the Financial Literacy body of knowledge
- Two items from the Probability body of knowledge
- Two items from the Statistics body of knowledge

2013-2014 Math Common Item Blueprint Grades 9-10

	GRADE 9	GRADE 10
Body of Knowledge: Algebra	**5**	**4**
Standard 1: Real and Complex Number Systems Expand and deepen understanding of real and complex numbers by comparing expressions and performing arithmetic computations, especially those involving square roots and exponents. Use the properties of real numbers to simplify algebraic expressions and equations, and convert between different measurement units using dimensional analysis.		
MA.912.A.01.01	1	
MA.912.A.01.04		
Standard 2: Relations and Functions Draw and interpret graphs of relations. Understand the notation and concept of a function, find domains and ranges, and link equations to functions.		
MA.912.A.02.02	1	
MA.912.A.02.03	1	
Standard 3: Linear Equations and Inequalities Solve linear equations and inequalities.		
MA.912.A.03.01	1	
MA.912.A.03.02		
MA.912.A.03.03	1	
Standard 4: Polynomials Perform operations on polynomials. Find factors of polynomials, learning special techniques for factoring quadratics. Understand the relationships among the solutions of polynomial equations, the zeros of a polynomial function, the x-intercepts of a graph, and the factors of a polynomial.		
MA.912.A.04.01		1
Standard 5: Rational Expressions and Equations Simplify rational expressions and solve rational equations using what has been learned about factoring polynomials.		
MA.912.A.05.01		1
Standard 6: Radical Expressions and Equations Simplify and perform operations on radical expressions and equations. Rationalize square root expressions and understand and use the concepts of negative and rational exponents. Add, subtract, multiply, divide, and simplify radical expressions and expressions with rational exponents. Solve radical equations and equations with terms that have rational exponents.		
MA.912.A.06.01		1

	GRADE 9	GRADE 10
Standard 7: Quadratic Equations Draw graphs of quadratic functions. Solve quadratic equations and solve these equations by factoring, completing the square, and by using the quadratic formula. Use graphing calculators to find approximate solutions of quadratic equations.		
MA.912.A.07.01		1
MA.912.A.07.08		
Standard 10: Mathematical Reasoning and Problem Solving In a general sense, all of mathematics is problem solving. In all of mathematics, use problem-solving skills, choose how to approach a problem, explain the reasoning, and check the results.		
MA.912.A.10.02		
Body of Knowledge: Discrete Mathematics	**2**	**0**
Standard 7: Set Theory Operate with sets, and use set theory to solve problems.		
MA.912.D.07.01	1	
MA.912.D.07.02	1	
Body of Knowledge: Financial Literacy	**4**	**4**
Standard 1: Simple and Compound Interest Simple and Compound Interest		
MA.912.F.01.01	1	
MA.912.F.01.03		1
Standard 2: Net Present and Net Future value (NPV and NFV) Net Present and Net Future Value (NPV and NFV)		
MA.912.F.02.01	1	
MA.912.F.02.02		1
Standard 3: Loans and Financing Become familiar with and describe the advantages and disadvantages of short-term purchases, long-term purchases, and mortgages.		
MA.912.F.03.01		2
MA.912.F.03.03	1	
MA.912.F.03.04	1	

	GRADE 9	GRADE 10
Body of Knowledge: Geometry	**5**	**4**
Standard 1: Points, Lines, Angles, and Planes Understand geometric concepts, applications, and their representations with coordinate systems. Find lengths and midpoints of line segments, slopes, parallel and perpendicular lines, and equations of lines. Using a compass and straightedge, patty paper, a drawing program or other techniques, construct lines and angles, explaining and justifying the processes used.		
MA.912.G.01.01		
MA.912.G.01.04	1	
Standard 2: Polygons Identify and describe polygons (triangles, quadrilaterals, pentagons, hexagons, etc.), using terms such as regular, convex, and concave. Find measures of angles, sides, perimeters, and areas of polygons, justifying the methods used. Apply transformations to polygons. Relate geometry to algebra by using coordinate geometry to determine transformations. Use algebraic reasoning to determine congruence, similarity, and symmetry. Create and verify tessellations of the plane using polygons.		
MA.912.G.02.02	1	
MA.912.G.02.05	1	
Standard 3: Quadrilaterals Classify and understand relationships among quadrilaterals (rectangle, parallelogram, kite, etc.). Relate geometry to algebra by using coordinate geometry to determine regularity, congruence, and similarity. Use properties of congruent and similar quadrilaterals to solve problems involving lengths and areas, and prove theorems involving quadrilaterals.		
MA.912.G.03.01	1	
Standard 4: Triangles Identify and describe various kinds of triangles (right, acute, scalene, isosceles, etc.). Define and construct altitudes, medians, and bisectors, and triangles congruent to given triangles. Prove that triangles are congruent or similar and use properties of these triangles to solve problems involving lengths and areas. Relate geometry to algebra by using coordinate geometry to determine regularity, congruence, and similarity. Understand and apply the inequality theorems of triangles.		
MA.912.G.04.01	1	
MA.912.G.04.06		
Standard 5: Right Triangles Apply the Pythagorean Theorem to solving problems, including those involving the altitudes of right triangles and triangles with special angle relationships. Use special right triangles to solve problems using the properties of triangles.		
MA.912.G.05.02		1

	GRADE 9	GRADE 10
Standard 6: Circles Define and understand ideas related to circles (radius, tangent, chord, etc.). Perform constructions, and prove theorems related to circles. Find measures of arcs and angles related to them, as well as measures of circumference and area. Relate geometry to algebra by finding the equation of a circle in the coordinate plane.		
MA.912.G.06.02		
MA.912.G.06.05		1
Standard 7: Polyhedra and Other Solids Describe and make regular and nonregular polyhedra (cube, pyramid, tetrahedron, octahedron, etc.). Explore relationships among the faces, edges, and vertices of polyhedra. Describe sets of points on spheres, using terms such as great circle. Describe symmetries of solids, and understand the properties of congruent and similar solids.		
MA.912.G.07.03		
MA.912.G.07.05		1
Standard 8: Mathematical Reasoning and Problem Solving In a general sense, mathematics is problem solving. In all mathematics, use problem-solving skills, choose how to approach a problem, explain the reasoning, and check the results. At this level, apply these skills to making conjectures, using axioms and theorems, constructing logical arguments, and writing geometric proofs. Learn about inductive and deductive reasoning and how to use counterexamples to show that a general statement is false.		
MA.912.G.08.02		1
Body of Knowledge: Probability	**0**	**2**
Standard 1: Counting Principles Understand the counting principle, permutations, and combinations, and use them to solve problems.		
MA.912.P.01.02		
Standard 2: Determining Probabilities Develop rules for finding probabilities of combined and complementary events. Understand and use conditional probability and the related Bayes' Theorem.		
MA.912.P.02.02		2
Body of Knowledge: Statistics	**0**	**2**
Standard 3: Summarizing Data (Descriptive Statistics) Learn to work with summary measures of sets of data, including measures of the center, spread, and strength of relationship between variables. Learn to distinguish between different types of data and to select the appropriate visual form to present different types of data.		
MA.912.S.03.01		1
MA.912.S.03.03		1
MA.912.S.03.05		

2013-2014 Math Embedded Field Test Item Blueprint
Grades 9-10

Domain/Anchor Standards	Common Core State Standard	GRADE 9	GRADE 10
Number and Quantity	MACC._.N-Q.1.1	1	
	MACC._.N-CN.3.7		1
Algebra	MACC._.A-SSE.2.3	1	
	MACC._. A-APR.1.1		1
	MACC._. A-CED.1.1	1	
	MACC._. A-CED.1.2		1
Functions	MACC._.F-IF.1.1	1	
	MACC._.F-IF.2.4		1
	MACC._.F-LE.1.1		1
Geometry	MACC._.G-CO.1.1	1	
	MACC._.G-CO.1.2		1
	MACC._.G-SRT.1.2	1	
	MACC._.G-GMD.1.3		1
	MACC._.G-MG.1.1	1	
Statistics and Probability	MACC._.S-ID.1.1	1	
	MACC._.S-ID.1.2		1

Science

Design
The science design consists of the four Bodies of Knowledge. Each of the Bodies of Knowledge assesses three to seven items. The assessment consists of a total of 16 common items.

Blueprint
In developing the test blueprint for science, several documents were examined:

- Alternate Assessment in Science for Students with Disabilities
- Sunshine State Standards with Access Points

The content assessed in alternate assessment should generally reflect the same areas assessed by the FCAT: Nature of Science, Earth and Space Science, Physical Science, and Life Science.

In order to meet the above criteria, the blueprint distributes the assessment items across the four science Bodies of Knowledge covered in FCAT. Items will focus on the science content assessed by the FCAT at each grade level based upon the Big Ideas that are addressed.

Therefore, the Science Blueprint chart involves:

1. Distribution of major science Bodies of Knowledge across each grade level.
2. Assessment of the majority of Big Ideas that are addressed at each of the grade levels.

An emphasis was placed on the Bodies of Knowledge at each grade level based upon looking at the Big Ideas to see the range and quantity of benchmarks addressed and the range and quantity of Access Points addressed. The Access Points were then reviewed to see if they are broad or narrow and if the topics within them can support more items and seem more relevant for this population of students. Special attention was paid to the participatory level Access Points as these can be very few and narrow, very few and broad, or many. Based on the review of the Access Points, not all Big Ideas that are addressed at each grade level for instruction will be assessed at each grade level. However, all of the Big Ideas are assessed at least once throughout a student's school years.

Grade 5

- Only two of the four Big Ideas in Nature of Science are addressed leading to less emphasis and the recommendation for three items. The Big Idea: The Practice of Science is the constant across all grade levels for assessment.
- Five Big Ideas in Physical Science are addressed leading to more emphasis. Three of the five Big Ideas are assessed at this grade level for a total of five items.
- Life Science and Earth and Space Science remain at four items each.

Grade 8

- This grade has the most limiting number of Big Ideas addressed overall.
- The four Big Ideas in Nature of Science are addressed. Two of the four Big Ideas are assessed at this grade level for a total of three items. The Big Idea: The Practice of Science is the constant across all grade levels for assessment.
- Physical Science addresses two Big Ideas, which is more emphasis than Earth and Space Science and Life Science; therefore, the recommendation of seven items for assessment.
- Earth and Space Science and Life Science have fewer Access Points to address for a recommendation of three items each for assessment.

Grade 11

- The four Big Ideas in Nature of Science are addressed. Two of the four Big Ideas are assessed at this grade level for a total of three items. The Big Idea: The Practice of Science is the constant across all grade levels for assessment.
- Life Science addresses five Big Ideas leading to more emphasis. Three of the five Big Ideas are assessed at this grade level for a total of six items.
- Physical Science and Earth and Space Science each address three Big Ideas. Two of the three Big Ideas are assessed in each of the Bodies of Knowledge, with a recommendation of four items in Physical Science and three items in Earth and Space Science.

2013-2014 Science Common and Embedded Field Test Blueprint

Body of Knowledge: Nature of Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	3	1	3	3	3	2
Big Idea 1: The Practice of Science Scientific inquiry is a multifaceted activity. The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.	2		1	2	2	1
Big Idea 2: The Characteristics of Scientific Knowledge Scientific knowledge is based on empirical evidence, and is appropriate for understanding the natural world, but it provides only a limited understanding of the supernatural, aesthetic, or other ways of knowing, such as art, philosophy, or religion.	1	1				
Big Idea 3: The Role of Theories, Laws, Hypotheses, and Models The terms that describe examples of scientific knowledge, for example; "theory," "law," "hypothesis," and "model" have very specific meanings and functions within science.					1	1
Big Idea 4: Science and Society As tomorrow's citizens, students should be able to identify issues about which society could provide input, formulate scientifically investigable questions about those issues, construct investigations of their questions, collect and evaluate data from their investigations, and develop scientific recommendations based upon their findings.			2	1		

Body of Knowledge: Earth and Space Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	4	3	3	1	3	3
Big Idea 5: Earth in Space and Time Humans continue to explore Earth's place in space. Gravity and energy influence the formation of galaxies, including our own Milky Way Galaxy, stars, the Solar System, and Earth. Humankind's need to explore continues to lead to the development of knowledge and understanding of our Solar System.			3	1		
Big Idea 6: Earth Structure Humans continue to explore the composition and structure of the surface of the Earth. External sources of energy have continuously altered the features of Earth by means of both constructive and destructive forces. All life, including human civilization, is dependent on Earth's water and natural resources.					1	1
Big Idea 7: Earth Systems and Patterns Humans continue to explore the interactions among water, air, and land. Air and water are in constant motion that results in changing conditions that can be observed over time.	4	3			2	2

Body of Knowledge: Physical Science	Com	FT	Com	FT	Com	FT
	5	3	7	3	4	3
Big Idea 8: Properties of Matter All objects and substances in the world are made of matter. Matter has two fundamental properties: matter takes up space and matter has mass.			5	2		
Big Idea 9: Changes in Matter Matter can undergo a variety of changes.			2	1		
Big Idea 10: Forms of Energy Energy is involved in all physical processes and is a unifying concept in many areas of science.	3	1			2	2
Big Idea 11: Energy Transfer and Transformations Waves involve a transfer of energy without a transfer of matter.	1					
Big Idea 12: Motion of Objects Motion is a key characteristic of all matter that can be observed, described, and measured.					2	1
Big Idea 13: Forces and Changes in Motion It takes energy to change the motion of objects.	1	2				

Body of Knowledge: Life Science	GRADE 5		GRADE 8		GRADE 11	
	Com	FT	Com	FT	Com	FT
	4	1	3	1	6	0
Big Idea 14: Organization and Development of Living Organisms All plants and animals, including humans, are alike in some ways and different in others.	3				2	
Big Idea 15: Diversity and Evolution of Living Organisms Earth is home to a great diversity of living things, but changes in the environment can affect their survival.					2	
Big Idea 16: Heredity and Reproduction Offspring of plants and animals are similar to, but not exactly like, their parents or each other.					2	
Big Idea 17: Interdependence Plants and animals, including humans, interact with and depend upon each other and their environment to satisfy their basic needs.	1	1				
Big Idea 18: Matter and Energy Transformations Living things all share basic needs for life.			3	1		

Overall Item Specifications

Items should clearly address the concept and/or skill described in the Access Point for each level of complexity within an item set. To the extent possible, the tasks for each of the Access Points within a given item should be related (i.e., the task for the independent Access Point should assess the same concept and/or skill as the task for the Participatory level, but at a higher level of cognitive demand). This is also true from grade level to grade level test.

Where not otherwise specified in the standard being assessed, numbers and other elements of items should be kept as simple as possible.

To the extent possible, items should involve situations or contexts that can be expected to be familiar to most students and that are age-appropriate. In particular, items for the secondary grades should involve situations, contexts, and objects that are of interest to older students, that are as concrete as possible, and that relate to real life activities.

Items will be developed with real world contexts in mind. Items will be kept at as concrete a level as possible.

Items should be written so they do not refer to specifically labeled pictographs; rather, they are framed using general descriptions.

Response Options

- For students who are deaf or hard of hearing, responses to fluency items cannot be read or signed. Keeping this in mind, developers want to use words in the questions that have a sign and do not require the administrator to finger spell.

- Teachers may substitute graphics with real objects for those students who may benefit from concrete objects or manipulatives. For this reason, response items should be comprised of familiar appropriately sized objects that may be easily accessible in the classroom whenever possible. For example, use objects like erasers, markers, and pencils instead of cars, dogs, and houses.

- Where students are asked to select a single choice from a set of response options, there should be at most three options provided. On occasion students may be given up to six options and asked to address each one, for example in an item that asks a student to recognize examples and non-examples of a given concept (e.g., show six different shapes and ask student to identify all the ones that are squares).

- In reading, response options do not have to match the passage exactly. At the Participatory and Supported level item responses may come directly from the passage; but at the Independent level, they should not come directly from the passage in order to ensure increased complexity.

- How response options are named is especially important. It is important to look at both the way the question is phrased and how the options are labeled and listed in the Materials so the answer is not cued to the student. For example, if an item asks “Show me/tell me who is Mrs. Smith” and the correct response is labeled “Mrs. Smith,” the answer would be given away to the student. The item should be rephrased to “Show me/tell me who the story was about” or “Show me/tell me who bought a puppy.”

- At all Access Point levels of complexity (Participatory, Supported and Independent), students may respond with the mode of communication that they most commonly use, such as yes/no cards, picture cards, word cards, sentence strips, verbal or written responses, eye gaze, assistive technology, and/or signing. Typically, response options will be provided in a three-selection format from which the student can choose.

    - Participatory Level Access Points – Response options will primarily be word/picture cards and number cards. If the Access Point indicates “words paired with pictures,” word picture cards will definitely be provided. The two incorrect options will not relate to the item stimulus. This “not related to the item stimulus” will be a mix of items where the incorrect responses are not at all related (cat, pencil, cup - cat being correct response) and incorrect responses that are within the same larger category (cat, dog, horse - cat being correct).

    - Supported Level Access Points – Response options will primarily be picture cards, word/picture cards, sentence/picture strips, and number cards. Pictures will not be on response cards/strips where the Access Point requires the student to read (fluency items). At least one of the two incorrect options will relate to the item stimulus.

    - Independent Level Access Points – Response options will primarily be picture cards, word/picture cards, sentence/picture strips, and number cards. Pictures will not be on response cards/strips where the Access Point requires the student to read. Both of the incorrect options will relate to the item stimulus. In writing, there may also be open-ended questions where the student will be expected to independently provide a response.

Graphics

- Provide picture cues at all three levels of complexity (Pa, Su, and In) to allow students who function at the early-symbolic level to access the items. Graphics may be excluded when the use of pictures complicate the item for other students. If at all possible, items should be written that can be depicted with a picture.

Items may be rejected if a concept cannot be depicted in pictures or if a picture adds confusion to the test item.

- Item graphics should be available as a manipulative as much as possible, especially at the Participatory level. When considering manipulatives, real objects must be able to be substituted for the graphic (i.e., no miniatures or replicas). If manipulatives are not appropriate (for some science items, for example), the graphic labels in the Materials column must be detailed enough to give a clear description of the graphic.

- Graphics should be consistent within a stimulus set or within a response set. If there are two stimulus cards, both will either be Picture Communication Symbols (PCS) or line art.

- Graphics, whenever possible, will be PCS at grades 3 through 5, a mix of PCS (especially at the Participatory level) and line art at grades 6 through 8, and only line art at grades 9 through 11.
    - PCS will not be customized. They shall remain as they appear in the Mayer-Johnson library.
    - PCS may be with or without hair. All responses to an item level will be consistent, one or the other.

- Line art, both for passages and item responses, will be black and white drawings using a heavy weight line (2–2.5 point). Grayscale will be used only if necessary. For example, in a glass or pitcher showing a liquid, the liquid will be shaded.

- Graphics will focus on the essence of the idea and leave out extraneous information.

- Graphics, whenever possible, should be of pictures of objects that can be easily replaced with the real objects. These objects need to be easily accessible in a school setting.

- Graphics of objects that may be replaced by the real object need to be small enough to fit on a desk space and to remain stable (not rolling around).

- Graphics should avoid foods or dangerous objects as much as possible.

- Graphics should use the entire space provided on a card or strip to be as large as possible.

- All coin graphics will show coins at actual size.

- All graphics including bills need to depict the bills as large as possible.

- Clock graphics will include minute marks only if the item requires them (8:17, 4:12).

- All default emotions of characters will be happy unless the item or passage specifies otherwise.

- Graphics of objects will be as “real” as possible and will not be interpretive. At grades 3 through 5 it may be appropriate for graphics to be somewhat cartoon-like or similar to PCS (suns, clouds, raindrops); but starting at grade 6, the graphics need to be more realistic.

- Graphics that include bodies should provide context/detail when applicable. For example, if an ear is the target response, a whole head will be drawn with an arrow pointing to the ear; if a leg is required a whole body will be drawn with an arrow pointing to the leg. Graphics solely of isolated body parts may be used for occasional items, when appropriate, per discretion of developer.

- All charts, graphs, and words or numbers in a graphic will be a minimum of 18 point font.

- All tables and charts must have titles and keys as appropriate. All keys should be placed so that they stand out.

- All counting objects for item graphics will avoid complex graphics. For example, a pattern of a circle, square, and triangle is more appropriate than a car, dog, and horse pattern.

Reading to the Student

- Passages will be read aloud to the student unless otherwise indicated in the item.

- All charts and graphs will be read to the student. If there is a key with the chart or graph, it will also be read to the student.

- At all Access Points, word cards and sentence strips will be read to the student. When cards/strips are not to read to the student (fluency items) the item clearly states this.

- All passages will be a minimum of 18 point font.

Item Terminology

- To determine whether a word is appropriate to use in an item, a variety of sources will be used: Dolch Basic Sight Word List, Revised Dolch List, the work of Chall and Popp described in Teaching and Assessing Phonics: Why, What, When, How (Educators Publishing Service, Inc., 1996), EDL Core Vocabularies in Reading, Mathematics, Science*, and Social Studies,*(Steck-Vaughn Company,1989), and *The Living Word* by Dale and O'Rourke (World Book-Childcraft International, Inc.,1981). Again, we will rely on the Review Committee of Practitioners to help make the word choices appropriate for the student population and make the test an experience that measures what a student knows and is able to do.

- All items will be written as simply as possible, avoiding wordiness.

- Simple content terminology will be used in grades 3 through 5 and at the Participatory level at all grades, with more accurate content terminology usage at grades 6 through 11. For example, in grades 3 through 5 the question may be "What is the story mostly about?" and at grades 6 through 11 the question will be "What is the main idea?"

- It is important to keep in mind that it is the concept that is being assessed and not the vocabulary in most instances.

- When identifying in the teacher scripting that there are three distinct categories of options presented in the item, identifying the options should be more specific; for example, "Here are three angles, shapes, animals." This level of specificity can be used as long as it does not give away the answer to the item.

- Stimulus cards may be identified in the Teacher Will column; for example, "Here is a girl" vs. "Here is a picture." This may be used as long as identifying the picture does not give away the answer.

Teacher Gathered Materials

- All students will have calculators, number lines, and counting blocks available to them for all math items as determined by the teacher. Items should only list any of these tools as teacher-gathered materials if the Access Point is assessing their use. If this is the case, the item needs to indicate its use to the student and the Student Will portion should indicate the use as part of the correct response.

- Items may presume the use of some readily available classroom materials, such as counters. However, most items should include all necessary materials (e.g., shapes), and other manipulatives (e.g., picture cards) will be provided as graphics on regular paper.

- Items will refrain from referring to the color of objects, mathematics items can refer to shapes that can be readily felt instead.

Mathematics

- Mathematics items will always include definitions of terminology and formulas as needed. For example, an item will not ask “Which one is the isosceles triangle?” Rather, it will ask “Which triangle is isosceles–two of the three sides are the same length?” or “Which triangle has two of the three sides the same length?”

- There should be a mix of items in mathematics, some with context and some without context. It is important not to introduce context into an item that is confusing or too language heavy.

- All numbers that are four-digits or longer will include commas.

- Mathematics computation items should be presented as a mix of horizontal and vertical items.

Other

- Other item specifications will follow two sets of guidelines:
  1. Those described in the FCAT Reading, Writing, Mathematics, and Science Test Item and Performance Task Specifications
  2. Item-writing guidelines typically followed by Measured Progress
     a. Items are aligned to the particular standard and appropriate level of difficulty.
     b. Items and tasks are clear, concise, and easy to read.
     c. Items will have one and only one answer for multiple-choice.
     d. Irrelevant clues to the correct answer are avoided.
     e. Most items will be positively worded.
     f. Response options will have similar length.
     g. All response options will be similar in grammatical structure and form.
     h. Item context will avoid any cultural, racial, or gender bias.
     i. Items will follow the principles of Universal Design.

Appendices

Appendix A – Depth of Knowledge

Depth of Knowledge

DOK	Description	General Performance Verbs	Content Clarification	Examples
1	**Attention**	touch, look, vocalize, repeat, attend	• Simple commands that require no answer—only require doing the command. • Generally not assessed as a skill. Used to focus the student on a task.	Look at me. Listen while I read this story.
2	**Rote Knowledge, Memorize/ Recall**	list, identify, state, label, recognize, record, match, recall, retell	• Habitual response—recalls previously heard or learned information. • Practiced, rote behavior. • No inferences are required for correct answer. • Habitual response of common day to day activities or objects.	
			<u>English Language Arts</u>	
			• Matches picture/word to picture/word. • Identifies rhyming words. • Identifies letters by phonics/sounds or sight. • Identifies detail of text of 2-3 simple sentences using verbatim wording. • Identifies correct spelling of misspelled word. • Identifies misspelled common words. • Identifies letters and phonetically regular, high frequency words (self-read).	Show me/tell me… …which can you drink from? (book, cup, pen) …what do you read? (book, desk, stapler)
			<u>Mathematics</u>	
			• Identifies characteristics (e.g., shape, face, side, corner, angle, etc.) of common objects or shapes. • Tells time on a digital clock. • Recognizes familiar object added to group of objects. • Identifies shapes presented in the same orientation and not a direct match situation.	Show me/tell me… …which shape is round? (circle, square, triangle)
			<u>Science</u>	
			• Identifies object from picture or manipulative choices. • Identifies common object when function is described. • Recalls function of basic body parts.	Show me/tell me… …what kind of weather is wet? …what object gives light? …what body part can taste food?

3	**Use of Knowledge and Information**	perform, tell, demonstrate, follow, count, locate, name, read, describe, define	• Engagement of some mental processing beyond habitual response. • Simple inferences may be needed. • Uses information from a chart or graph to make simple inferences in order to correctly respond. • Chooses what comes next in a sequence.

English Language Arts

- Indicates comprehension of basic/common words or two to three word sentences.
- Identifies main idea by applying information gained from text.
- Identifies detail by making simple inferences.
- Identifies a relevant or best sentence to add to passage.
- Self-reads materials/passages.
- Identifies best word to complete sentence.
- Identifies initial word in sentence in need of capitalization.
- Identifies incorrectly used common punctuation.
- Identifies basic punctuation (period and question mark).

Show me/tell me…

…what is the main idea?

…who is this story about?

…what fits in the blank of this sentence?

…what happens next in the story?

…which word in this sentence is misspelled?

Mathematics

- Tells time on analog clock.
- Identifies number sentence/equation that reflects number relationships (no comp.).
- Tells measurement with ruler on placed stimulus.
- Performs basic computation (counting may be a strategy).
- Identifies # of angles and angle type.
- Identifies parts of objects or # of objects in group representing simple fractions (1/2, 1/3, 1/4).
- Identifies information from a graph.
- Match number to picture model.
- Identifies similar shapes when picture cues are rotated, reflected, or translated.
- Constructs simple new shapes.

Show me/tell me…

…how many cookies are needed for 5 children to have 2 cookies each? (picture cues of five students holding two cookies each are provided)

…what is the length of the longest side (hypotenuse) of the triangle? (picture of triangle with a ruler alongside it)

…what is half of the number of blocks shown?

Science

- Identifies additional attribute from common experience/knowledge (e.g., weather, animals).

Show me/tell me…

…what other animals live in the desert?

…how does someone move a mower?

…an element is a substance that cannot be broken down into...which of these is an element?

4	**Comprehension**	explain, conclude, group, categorize, restate, review, translate, describe (concepts), paraphrase, infer, summarize, illustrate, compute, classify, solve	• Strategic thinking—requires reasoning, planning a sequence of steps. • Answer choices summarize and are not verbatim from passage.	

English Language Arts

FROM INFORMATION THAT IS INFERRED: • Identifies theme or message of a story. • Identifies main idea by drawing conclusions or making inferences. • Identifies elements of a story without definition of the element. • Identifies purpose of writing passage. • Selects best sentence(s) for middle or end of passage (correct order required). • Orders three or more sentences to communicate logical sequence of events. • Sorts or groups words or items with categories given. • Identifies sentence that best supports topic. • Identifies two or more sentences to complete a composition. • Identifies correct meaning of words from context sentence. • Edits for correct use of subject and verb agreement. • Edits for correct use of singular and plural nouns. • Identifies proper nouns and pronouns within sentences, and book titles in need of capitalization. • Identifies correct punctuation (exclamation point, quote, comma).	Show me/tell me… …what is the main idea? …who is this story about? …what is the "plot" of this story? …which of these is found inside a house and which are found outside a house? (bed, swing set, trees, car, computer) Bed becomes a plural (more than one bed) by adding an "s". …what would more than one tree be? (tree, treeses, trees)

4	**Comprehension**	explain, conclude, group, categorize, restate, review, translate, describe (concepts), paraphrase, infer, summarize, illustrate, compute, classify, solve	**Mathematics** • Computes math operations with equation or organizer given. (Requires computation and not one to one counting.) • Identifies objects, letters, or objects with line symmetry. • Computes area and perimeter when sides are labeled. • Identifies patterns with more than two repetitions. • Groups objects into three or more groups. • Uses information from a graph. • Makes predictions of random selection process. • Identifies faces of more than one 3 dimensional object with only one object presented as stimulus. • Computes prices of items with tax. • Identifies correct number sentence/equation from a group of three viable choices (requires computation). • Uses ruler to measure. • Reduces fractions.	Show me/tell me… …what is the area of a triangle that measures 5 inches in height (h) and 3 inches at the base (b)? (area of triangle is ½ bh) …what is the perimeter (distance around) of square that is 4 inches on each side? …how many apples are needed for six students if each student gets two apples? (provide picture cue of 2 apples only)
			Science • Identifies components of a scientific process. • Draws conclusions based on provided information. • Generalizes body part functions/processes across species by making inferences.	Show me/tell me… …where does snow fall most? …which object is the hardest to move? …why do the two plants look different? …which layer (of Earth) is the thickest? …what caused the paper to become damp? …what caused the box to stop moving? …which part pumps blood through the dog's body?

5	**Application**	organize, collect, apply, construct, use, develop, generate, interact with text, implement	• Extended thinking—making connections within and between subject domains, non routine problem solving. • Student generates answer without cues.	

English Language Arts

- Makes connections between multiple sources.
- Generates response.
- Implements a plan.

Mathematics

- Computes with no equation and limited numbers presented (i.e., for perimeter, numbers are given on only 2 sides of 4 sided figures).
- Constructs complex new shape from given shapes.
- Computes by translating word problems into number problems.

Show me/tell me…

…what is the perimeter (distance around a figure) of a rectangle with one side measuring 8 inches and another side measuring 3 inches?

Jill types 10 words per minute. …how long will it take Jill to type fifty words? (5, 10, or 15 min.)

Science

- Explains cause and effect relationships.
- Orders three or more components of a scientific process.
- Describes processes of production or reproduction by ordering sentences.

Show me/tell me…

…how does the weather help the kite stay up in the sky?

…the order that energy moves through this food chain.

…which part of the pine tree makes food by using the sunlight?

6	**Analysis Evaluation**	pattern, analyze, compare, contrast, compose, predict, extend, plan, judge, evaluate, interpret, cause/effect, investigate, examine, distinguish, differentiate, generate	• Requires investigation. • Student predicts based on information given. • Student creates possible alternative outcomes. • Student uses multiple sources to answer question without cues/supports. • Generally, DOK levels of 6 will not be found on an assessment unless open response items that require investigation using two or more texts are assessed.

English Language Arts

Show me/tell me…

…tell me another possible ending to the story (no options provided).

Compares the events in two passages.

Mathematics

Compares the areas or perimeters of two shapes.

Science

Show me/tell me…

…what kind of science experiment can you do to find out how many hours of sun a seed needs to sprout?

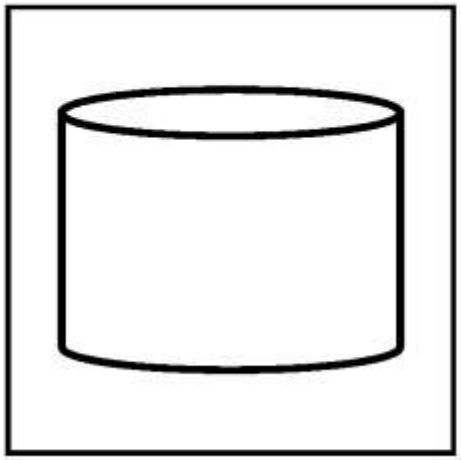
Appendix B – Presentation Rubric

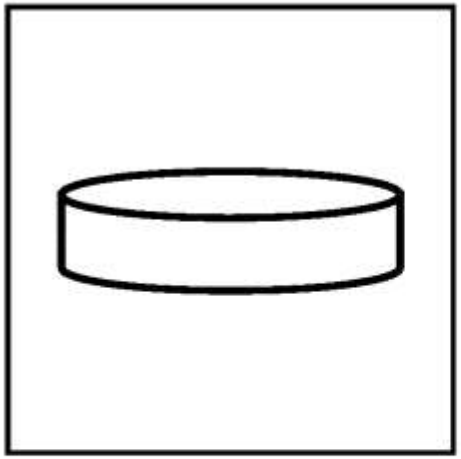
Presentation Rubric

	1	2	3	4
Volume of Information	**No** scenario presented: – 1 simple sentence stating stimulus (when applicable) – Little to no additional info or instruction beyond standard item template language – Minimal response options (no complete sentences or equations) *Here are 3 pics. SMTM which animal has wings.* (no stimulus, 3 pic cards) *Here are 3 pics with words. SMTM which one holds water.* (no stimulus, 3 word/pic cards) *Here are four paper clips. Here are 3 numbers. SMTM half of the paper clips. (*stimulus pic strip, 3 number cards)	**Limited** scenario presented: – 1 sentence describing stimulus/materials or scenario – Minimal information provided in 1 simple format (pictograph, organizer, formula) – Passage items: short paragraph with simple sentences – *No scenario, but complete sentences or equations for response options *Carlos wants to read a book. SMTM where Carlos would most likely find a book.* (no stimulus, 3 word/pic cards) *Here is a table that shows the cost of fruit. SMTM which amount shows the cost of 3 oranges.* (stimulus table, 3 number cards)	**Moderate** scenario presented: – 2 sentences describing stimulus/materials or scenario – Moderate information provided in 1 format (graph, organizer, formula) – Passage items: 2 to 4 short paragraphs (moderate info/plot development) *This is a toy car. I can push it to make it roll across the table. If nothing stops it when it reaches the edge of the table it will fall. SMTM what causes the car to fall to the ground.* (stimulus toy car, 3 word/pic cards) *Hector put four beads on a necklace. He wants to make 3 more necklaces. SMTM how many more beads Hector needs.* (2 stimulus pic cards, 3 number cards)	**Complex** scenario presented: – 3 or more sentences describing stimulus/materials or scenario – Extensive information provided in 1 format or basic/moderate information provided in more than 1 format (graph, organizer, formula) – Passage items: 4 or more paragraphs (extensive info/plot development) *This is a picture of a steak. Steak is meat from a cow. This meat is part of a food chain. You're going to put these sentences in order to show what happens 1st, 2nd, and 3rd. SMTM the order in which energy is used to make meat.* (stimulus sent. strip, 3 sentences)
Vocabulary	Familiar vocabulary presented: – Everyday words and single digit numbers (e.g., round shape, which is a boy, what is one more, which is wet) presented in item – No content words used	Somewhat familiar vocabulary presented: – Everyday words and double digit numbers (and higher) presented in item – Minimal basic content words used	Familiar & unfamiliar vocabulary presented: – Mix of everyday words and unfamiliar words presented in item – Basic content words used	Abstract & unfamiliar vocabulary presented: – Mix of everyday words and unfamiliar words presented in item including abstract words – Complex content words used
	No Content Words → **Basic Content Words** (familiar used with high frequency) e.g., story, sentence, add, square, heat, light → **Complex Content Words** (less familiar and abstract) e.g., simile, hyperbole, congruent, carbon cycle, atom			
Context	Familiar and everyday context within student's immediate setting (home, school)	Familiar context within student's immediate & extended setting (home, school, community)	Mix of familiar & unfamiliar context within student's immediate and extended setting (home, school, community, global)	Unfamiliar context requiring student to apply acquired knowledge to understand new and abstract context
	Familiar Context & Immediate Setting (home and school) e.g., class, schedule, lunch, recess, counting objects, kitchen, weather, basic body parts → **Familiar Context & Extended Setting** (community) e.g., town library/museum, grocery store, volunteering, FL related animals/facts → **Unfamiliar Context & Extended Setting** (global community) e.g., animals/facts beyond FL (US/other countries), life cycle, respiratory system, environmental/global issues, internal functions of organs → **Unfamiliar & Abstract Context** inflation, 2D/3D conversion, algebraic terms/expressions, object translation, gravity, personification, carbon cycle, genes			

Appendix D—SAMPLE ITEM: OPERATIONAL TEST FORMAT

Materials	Access Point	Teacher will	Student will	Score
Item 1.	No response. Student actively refuses or does not engage at any point during the Participatory Level.			0
Stimulus picture card: cylinder Picture cards: hockey puck block ball	**Participatory:** Identify objects or pictures with three dimensional solids in real-world situations.	In the Response Booklet, turn to page 10P-1 and place it within the student's reach. *Here is a picture.* *This is a cylinder. A hockey puck has the shape of a cylinder.* *Here are three pictures.* *Show me/tell me which item is a hockey puck.*	Indicate hockey puck.	3 2 1
Stimulus picture cards: hockey puck with dimensions stacked hockey pucks Picture cards: 3-by-3 square 3-by-1 square 1-by-3 square	**Supported:** Compare volumes of three-dimensional solids in real-world situations.	In the Response Booklet, turn to page 10S-1. *Here is a picture.* *A hockey puck has a diameter of three inches and a height of one inch.* *Here is another picture.* *A company wants to package three hockey pucks in a box.* *Here are three more pictures.* *Show me/tell me the shape of the box the company could use.*	Indicate 3-by-3 square.	6
Stimulus picture card: box Equation strip: Volume = Length × Width × Height Number cards: 9 cubic inches 18 cubic inches 27 cubic inches	**Independent:** Measure rectangular prisms to find the volume using the literal formula: length × width × height.	In the Response Booklet, turn to page 10I-1. *Here is a picture.* *This box will be used to package three hockey pucks. The length is three inches, the width is three inches, and the height is three inches.* *Here is an equation.* Read the equation strip to the student. *Here are three numbers.* Read the number cards to the student. *Show me/tell me the volume, in cubic inches, of the box.*	Indicate 27 cubic inches.	9



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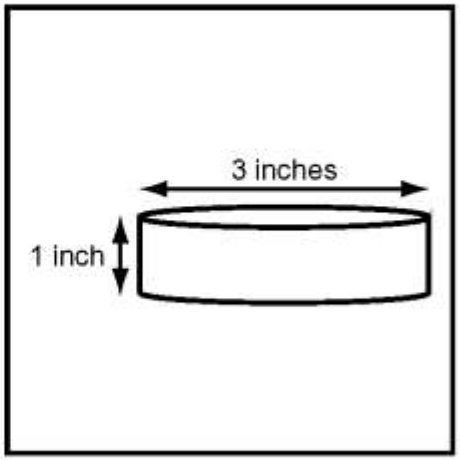
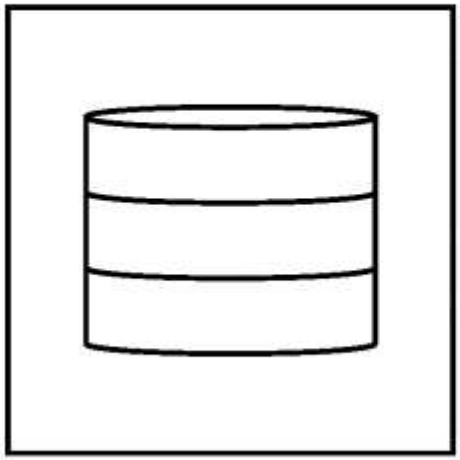
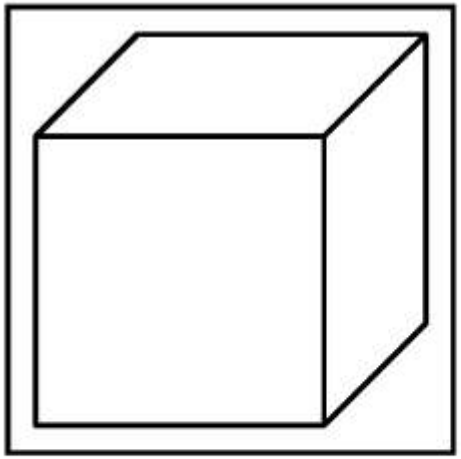
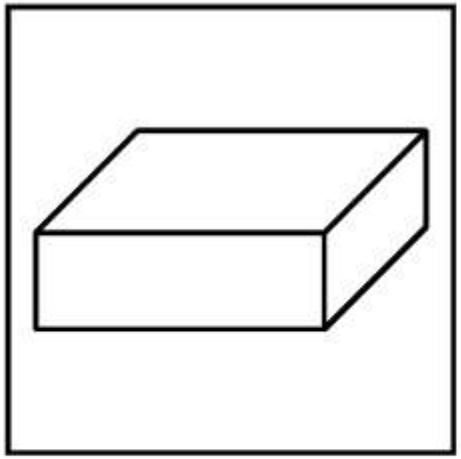
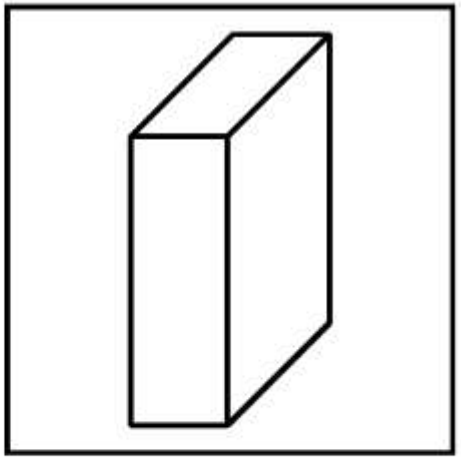

3 inches
1 inch









9 cubic inches

18 cubic inches

27 cubic inches

63

Mathematics 10I-1

Appendix E—SURVEYS AND RESULTS

Table E-1. 2013-14 Florida Alternate Assessment: Mathematics Content Review Committee Feedback

Mathematics Content	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Content Overview session worked well.	0%	0%	0%	10%	90%	
Overall the item review worked well.	0%	0%	0%	20%	80%	
The Specifications and Checklist documents were helpful.	0%	0%	0%	20%	80%	
I understood how to use the Depth of Knowledge when rating items.	0%	0%	0%	10%	90%	
I understood how to use the Presentation Rubric when rating items.	0%	0%	0%	10%	90%	
The process for feedback and recommendations worked well.	0%	0%	0%	0%	100%	
I had all the materials necessary to complete this task.	0%	0%	0%	0%	100%	
The location of the meeting and facilities worked well.	0%	0%	0%	0%	100%	

Three things I liked the best about this experience…

- Our facilitator Sally was super; she was great to work with.
- The team worked well together. Sally Blake was a wonderful lead. The workshop was well organized and insightful.
- The location and the Measured Progress staff were great!
- The variety of viewpoints, the facilitator's rapport with the participants, and the insight into the FAA development.
- The overview meeting. The lunches were excellent and not a typical sandwich buffet. Sally was the best!
- The facilitator, receiving more knowledge at the general education level, and receiving information about where things are going in the future.
- Good group and good facilitator (Sally Blake).
- Receiving input from everyone and working with teachers at different levels.

Three things I would change about this experience…

- Include more district level participants. Division of work. Add one more day to the review process.
- Needed a table for writing and reviewing materials.
- The accommodations are very comfortable; perhaps extend our stay through the weekend.
- Show a short video of FAA being administered at the different levels.

Questions I still have…

- No responses noted for this section.

Table E-2. 2013-14 Florida Alternate Assessment: Reading Content Review Committee Feedback

Reading Content	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Content Overview session worked well.	0%	0%	0%	11%	89%	
Overall the item review worked well.	0%	0%	0%	0%	100%	
The Specifications and Checklist documents were helpful.	0%	0%	0%	37%	63%	
I understood how to use the Depth of Knowledge when rating items.	0%	0%	0%	12%	88%	
I understood how to use the Presentation Rubric when rating items.	0%	0%	0%	12%	88%	
The process for feedback and recommendations worked well.	0%	0%	0%	0%	100%	
I had all the materials necessary to complete this task.	0%	0%	0%	0%	100%	
The location of the meeting and facilities worked well.	0%	0%	0%	0%	100%	

Three things I liked the best about this experience…

- Having input into the FAA process, networking, and gaining a better understanding of alignment between Access Points and the Florida Alternate Assessment.
- Working with others and hearing other perspectives.
- Working with others on the content.
- Working with Pat, being able to stress your opinion, and feeling comfortable with other people and hearing about what is going on in other schools.
- The intention of the meeting, learning about the test, and the idea about the new Common Core Standards.
- Facilities, Facilitators, and the overall process.
- Started with higher grades and worked down to lower grades, the diversity of the group, and the facilitator being knowledgeable of the subject matter.
- I have been curious about how the FAA is created and this meeting helped me understand.
- The diverse group, Pat was great and kept us on track, and the hotel and food were great.

Three things I would change about this experience…

- The meeting was too fast.
- We were a bit rushed at the end, but it is always this way.
- Hotel check out time to be later on the last day.

Questions I still have…

- How will the new alternate assessment look in 2014-2015?
- Will we be able to do this next year?
- Can we still be chosen next year even if the Florida Alternate Assessment is not being used? I like coming.

Table E-3. 2013-14 Florida Alternate Assessment: Science Content Review Committee Feedback

Science Content	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Content Overview session worked well.	0%	0%	0%	22%	78%	
Overall the item review worked well.	0%	0%	0%	11%	89%	
The Specifications and Checklist documents were helpful.	0%	0%	0%	11%	89%	
I understood how to use the Depth of Knowledge when rating items.	0%	0%	0%	11%	89%	
I understood how to use the Presentation Rubric when rating items.	0%	0%	0%	11%	89%	
The process for feedback and recommendations worked well.	0%	0%	0%	22%	78%	
I had all the materials necessary to complete this task.	0%	0%	0%	11%	89%	
The location of the meeting and facilities worked well.	0%	0%	0%	11%	89%	

Three things I liked the best about this experience…

- Being able to give feedback that will eventually help students, gaining a better understanding of the FAA, and the collaboration with others while having a common goal to complete the task expected of us.
- Seeing familiar faces, being exposed to other school districts personnel, and working outside of the classroom and town.
- The obvious inclination to take our feedback as important, we were not wasting time, and our content specific knowledge was needed.
- Opportunity to meet teachers who give the Florida Alternate Assessment, the opportunity to give Science content opinions to others, and the opportunity to have input on standardized testing in Florida.
- Participating and having input to the testing of my students.
- Everyone was involved and was allowed to make suggestions.
- The facilitator, group, and the flow.
- The collegial conversations, level of professionalism, and being a part of a team that actually is providing feedback to implement change.
- The team was very diverse, worked well together, and the Measured Progress facilitator monitored the group to keep on track.

Three things I would change about this experience…

- There should be more teachers that actually give the assessment and teach ESE. Provide clips of actual students during the introduction.
- More time should be provided.
- More structured time keeping on the first day.
- Length of time was too short. Materials should be in the actual test book format.

Questions I still have…

- How will we tie into Common Core?

Table E-4. 2013-14 Florida Alternate Assessment: Writing Content Review Committee Feedback

Writing Content	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Content Overview session worked well.	0%	0%	0%	22%	78%	
Overall the item review worked well.	0%	0%	11%	11%	78%	
The Specifications and Checklist documents were helpful.	0%	0%	0%	0%	100%	
I understood how to use the Depth of Knowledge when rating items.	0%	0%	0%	11%	89%	
I understood how to use the Presentation Rubric when rating items.	0%	0%	0%	11%	89%	
The process for feedback and recommendations worked well.	0%	0%	0%	22%	78%	
I had all the materials necessary to complete this task.	0%	0%	11%	0%	89%	
The location of the meeting and facilities worked well.	0%	0%	0%	11%	89%	

Three things I liked the best about this experience…

- The collaborative process, facilitator Heather did a great job, the accommodations, and the gift was great.
- I appreciate that the participants were from different counties, which was helpful. I enjoyed this experience and I liked the location.
- The location, the testing information received, and the ability to witness the process.
- The format of the panel discussion is conducive to obtaining the objective of content review.
- Exchanging information and ideas with others while getting to know test information and how it works.
- Learned the process of teaching the vocabulary of the test, the introduction to the examples, and the graphics.
- I liked that I was able to bring my experience to the table.
- Moved along at a good pace, the moderator was very effective, and the group worked well together.
- Analyzing test items, sharing options on content, validity, and purpose.

Three things I would change about this experience…

- More teachers that actually give the assessment and teach ESE. Provide clips of actual students during the introduction.
- Content review should be a longer undertaking. Spirit Airlines should be reconsidered as a carrier.
- Make the meeting two full days and show video depicting the students that take the assessment as there are usually several people within the group that don't know or never worked with students in this population.
- A copy of the Access Points would help. I think there should be two steps to the process; first, review content with experienced teachers of this population. Second, review to edit for grammar and punctuation. I also think that grade levels should be split and reviewed by teachers that teach those grade levels.
- All was ok – Super job!

Table E-5. 2013-14 Florida Alternate Assessment: Mathematics and Science Bias Review Committee Feedback

Mathematics and Science Bias	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Bias Overview session worked well.	0%	0%	0%	20%	80%	
Overall the item review worked well.	0%	0%	0%	30%	70%	
The Guidelines document was helpful.	0%	0%	0%	20%	70%	
The process for feedback and recommendations worked well.	0%	0%	0%	0%	100%	
I had all the materials necessary to complete this task.	0%	0%	0%	0%	100%	
The location of the meeting and facilities worked well	0%	0%	0%	22%	78%	

Three things I liked the best about this experience…

- I enjoyed working with my group, I learned much new information, and the facilities were very pleasant.
- Facilitator, location, and the materials.
- Working with ESE teachers. The new Common Core Standards coming up in 2014-2015.
- Easy going discussion that led to good thoughtful ideas, the hotel and service, and working from higher to lower grade levels.
- Meeting and working with colleagues. Familiarizing myself with the FAA.
- Talking with other educators and feeling like my input is needed and wanted.
- The facilitator, the experience of meeting people, and the content reviewed.
- Gaining a better understanding of alternate assessments and the introduction of the process to include Common Core when considering ESE students.
- Sharing ideas and information with other educators and learning about changes on the FAA.
- Charity the facilitator and the professional dialogue. As a general educator, learning information about ESE and testing structure.

Three things I would change about this experience…

- More teachers that actually give the assessment and teach ESE. Provide clips of actual students the introduction.
- More time is needed.
- More structured time keeping on the first day.
- Length of time was too short. Materials should be actual test book format.
- The hotel had bad beds.
- More chocolate, make ice available, and rubber fingers to help turn pages.

Questions I still have…

- How will we tie into Common Core?
- I appreciate Angie from the DOE answering questions.
- What will the Core Content Connectors look like?

Table E-6. 2013-14 Florida Alternate Assessment: Reading and Writing Bias Review Committee Feedback

Reading and Writing Bias	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Comments
The Bias Overview session worked well.	0%	0%	0%	0%	100%	
Overall the item review worked well.	0%	0%	0%	0%	100%	
The Guidelines document was helpful.	0%	0%	0%	0%	100%	
The process for feedback and recommendations worked well.	0%	0%	0%	0%	100%	
I had all the materials necessary to complete this task.	0%	0%	0%	0%	100%	
The location of the meeting and facilities worked well	0%	0%	0%	11%	89%	

Three things I liked the best about this experience…

- Welcoming staff, welcoming colleagues, and the killer venue and food
- Kristen kept the pace! Time to begin, break and ending of days were accommodating. Our input was well received by the facilitator.
- Everyone made everyone feel comfortable. Listening to everyone's comments and ideas. Bringing together educators from various counties to collaborate on an assessment given statewide. Kristen was professional, knowledgeable, and very forgiving.
- Giving input regarding content and bias, meeting other stakeholders, and hearing from Angie at BEEES. I want to participate in all aspects of the process from beginning, middle, and end.
- Being part of the process was interesting. We feel valued as professional teachers when our opinions are valued. The hotel and accommodations.
- Getting to understand the progression of the assessment, talking to other teachers, and getting a glimpse into other classrooms.
- Working together as a group.
- Working with colleagues from across the state and collaborating.
- Good group to work with, well organized, and nice facilities.

Three things I would change about this experience…

- Time allocated to review materials; pressure was felt by group to finish on time.
- Have a "plan" of which point we should be at which times. Offer soda for those that do not drink coffee or tea.
- It was too cold in meeting rooms. Group needed more time so we did not feel so rushed.
- More time to review all items; maybe provide one extra day so we don't feel so pressed for time.

Questions I still have…

- Will the Florida teachers be informed of changes? If yes, when?
- How will Common Core affect this and every other assessment? How will it look computerized?
- What's your data look like?
- How many people composed and formulated the questions?
- What is the future of the FAA in accordance with Common Core?
- May I come again next year?
- What's next for the assessment progress?

Table E-7. 2013-14 Florida Alternate Assessment: Train the Trainer Feedback

Train the Trainer	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	No Response	Comments
Overall the training worked well.	0%	0%	0%	12%	88%	0%	• Very organized and well-done • Very organized – all concerns addressed and answered • Just need to internalize
The manual review was helpful.	0%	0%	0%	0%	100%	0%	• Very helpful • Very easy to understand
The Scavenger Hunt Activity was helpful.	0%	0%	5.5%	5.5%	71%	18%	• Yes, a quick look at the manual and I found I remembered all of the information as we went through the manual
The Reading Tables, Charts Activity was helpful.	0%	0%	0%	0%	82%	18%	• Good practice • Very helpful • I need to look at this again • Especially different techniques and working for different graphics • Lots to learn
The Logical Response Activity was helpful.	0%	0%	0%	12%	59%	29%	• Didn't do • I need to review • Looked over material
The Open-Response Activity was helpful.	0%	0%	0%	12%	59%	29%	• Didn't do • I need to review
The Sample Item Administration Activities were helpful.	0%	0%	0%	18%	82%	0%	• Greatly appreciated! Most helpful • Yes – didn't realize what I didn't know • I need to review
The Question Activity was helpful.	0%	0%	0%	12%	70%	18%	• Yes
The questions I had about the assessment were answered.	0%	0%	0%	6%	94%	0%	

Three things I liked the best about this experience…

- Scavenger hunt – good hands-on activity; collaborating with colleagues at the table; questions and answers
- Hands on activities; presenters were great; accommodations were good
- Well organized; great presenter; clean/concise presentation of information
- Great information; well organized; professional; nice facility; great food
- You were all prepared; I appreciated how prepared you were for each and every person's needs and concerns. You all complemented each other very well. Extremely important
- Very organized presentation; I like that you matched the power point pages with the manual pages – I'm going to steal your idea; I have learned very much and need to digest; time was given to answer questions.
- Having veteran administrators at the table to share organizational hints, etc.; Having FLDOE policy folks to help with global question and answer seeking
- Walking through the TAM; Practicing administration of test items – working with someone who has administered before; the opportunity to network with other districts – hearing some of the issues and how they are dealing
- Taught well; moved at a perfect speed
- Implementing practice materials
- Hands on practice; willingness to answer questions
- Presenters were very knowledgeable; DOE staff available for Florida specific questions; best lunch in a long time

Three things I would change about this experience…

- I would bring our ESE Director
- Updated videos
- Break into smaller pieces

Questions I still have…

- Concern about training for FAA and then NCSC next year

Table E-8. 2013-14 Florida Alternate Assessment: Online Administration Update Training Survey results

The online training was easy to access.

Choice	Response Percent	Response Total
Strongly Agree	69.16%	2,731
Agree	27.48%	1,085
Neutral	2.38%	94
Disagree	0.51%	20
Strongly Disagree	0.48%	19

The online training was clear, concise, and easy to understand.

Choice	Response Percent	Response Total
Strongly Agree	63.36%	2,502
Agree	31.15%	1,230
Neutral	4.30%	170
Disagree	0.76%	30
Strongly Disagree	0.43%	17

Overall, the online training helped prepare me for administering this year's Florida Alternate Assessment.

Choice	Response Percent	Response Total
Strongly Agree	40.55%	1,592
Agree	45.54%	1,788
Neutral	11.95%	469
Disagree	1.17%	46
Strongly Disagree	0.79%	31

The amount of information covered was...

Choice	Response Percent	Response Total
Just right	86.63%	3,401
Too much	12.81%	503
Too little	0.56%	22

Last year, I participated in the following type of training:

Choice	Response Percent	Response Total
Full day orientation by the district	18.03%	708
Online update webinar	67.60%	2,654
Face to face training by the district	7.87%	309
I did not attend any training	6.50%	255

Table E-9. 2013-14 Florida Alternate Assessment: Operational Online Survey results

Total number of years teaching (do not include this year):

Choice	Response Percent	Response Total
Less than 1 year	4.69%	24
1 – 5 years	20.31%	104
6 – 15 years	35.74%	183
More than 15 years	39.26%	201

Total number of years teaching students with significant cognitive disabilities (do not include this year):

Choice	Response Percent	Response Total
Less than 1 year	7.39%	38
1 – 5 years	29.57%	152
6 – 15 years	38.33%	197
More than 15 years	24.71%	127

I participated in the Spring 2013 administration of the Florida Alternate Assessment.

Choice	Response Percent	Response Total
Yes	83.85%	431
No	16.15%	83

I received a student report for each student that participated in the assessment.

Choice	Response Percent	Response Total
Yes	84.11%	360
No	15.89%	68

The report format was easy to understand and the results were easy to interpret.

Choice	Response Percent	Response Total
Strongly Agree	38.06%	137
Agree	55.83%	201
Disagree	4.17%	15
Strongly Disagree	1.94%	7

I can/will use the results provided on the student report for instructional planning and/or in the development of goals and objectives in the student's Individual Educational Plan (IEP).

Choice	Response Percent	Response Total
Strongly Agree	26.40%	94
Agree	58.15%	207
Disagree	11.52%	41
Strongly Disagree	3.93%	14

I attended additional training since the Spring 2013 assessment.

Choice	Response Percent	Response Total
Yes	75.81%	326
No	24.19%	104

The training was:

Choice	Response Percent	Response Total
Face-to-face Half-day Training	8.90%	29
Face-to-face Full-day Training	11.66%	38
Online Update Training	76.99%	251
Other	2.45%	8

This was enough time for me to learn about the assessment administration procedures.

Choice	Response Percent	Response Total
Strongly Agree	51.38%	167
Agree	46.46%	151
Disagree	1.23%	4
Strongly Disagree	0.92%	3

The training prepared me for administering the assessment.

Choice	Response Percent	Response Total
Strongly Agree	49.07%	159
Agree	47.22%	153
Disagree	3.09%	10
Strongly Disagree	0.62%	2

I used the following format of the Teacher Administration Manual (TAM):

Choice	Response Percent	Response Total
Printed	72.26%	310
Electronic	25.17%	108
I did not receive a TAM	2.56%	11

The administration directions in the TAM were clear and easy to follow.

Choice	Response Percent	Response Total
Strongly Agree	40.10%	168
Agree	58.71%	246
Disagree	0.95%	4
Strongly Disagree	0.24%	1

The Quick Reference Guide was beneficial in the administration of the assessment.

Choice	Response Percent	Response Total
Strongly Agree	40.24%	167
Agree	57.59%	239
Disagree	2.17%	9
Strongly Disagree	0.00%	0

The guidelines on how to read aloud tables, charts, graphs, and diagrams were clear and easy to follow.

Choice	Response Percent	Response Total
Strongly Agree	37.17%	155
Agree	58.51%	244
Disagree	3.84%	16
Strongly Disagree	0.48%	2

The sample items in the TAM adequately gave me a sense of what to expect during administration.

Choice	Response Percent	Response Total
Strongly Agree	33.97%	142
Agree	62.68%	262
Disagree	3.35%	14
Strongly Disagree	0.00%	0

Appendix II: The Teacher Self-Reflection Checklist helped me prepare for administering the assessment.

Choice	Response Percent	Response Total
Yes	69.16%	287
No	30.84%	128

Appendix III: Instructions for Adapting Assessment Administration for Students with Visual Impairments helped me prepare for administering the assessment.

Choice	Response Percent	Response Total
Yes	63.34%	254
No	36.66%	147

Appendix IV: Florida Alternate Assessment and Common Core State Standards helped me prepare my student for the items written to common core state standards.

Choice	Response Percent	Response Total
Yes	72.37%	296
No	27.63%	113

The 2014 List of Cards and/or Strips and Teacher-Gathered Materials by Item and 2014 Object Exchange List helped me prepare for administering the assessment.

Choice	Response Percent	Response Total
Yes	84.17%	351
No	15.83%	66

I received an ample amount of parent brochures to distribute with student reports and handout during IEP meetings.

Choice	Response Percent	Response Total
Strongly Agree	17.66%	74
Agree	51.79%	217
Disagree	22.43%	94
Strongly Disagree	8.11%	34

The parent brochure helped explain student performance to parents.

Choice	Response Percent	Response Total
Strongly Agree	16.14%	66
Agree	57.46%	235
Disagree	18.83%	77
Strongly Disagree	7.58%	31

The teacher brochure provided useful information about the Florida Alternate Assessment.

Choice	Response Percent	Response Total
Strongly Agree	17.30%	73
Agree	66.82%	282
Disagree	12.09%	51
Strongly Disagree	3.79%	16

The teacher brochure helped me understand how student results can be used.

Choice	Response Percent	Response Total
Strongly Agree	17.22%	72
Agree	62.20%	260
Disagree	15.79%	66
Strongly Disagree	4.78%	20

I cut out and administered a one-sided version of the assessment.

Choice	Response Percent	Response Total
Yes	17.68%	90
No	82.32%	419

Overall, the graphics for the assessment items were appropriate.

Choice	Response Percent	Response Total
Strongly Agree	31.90%	163
Agree	56.75%	290
Disagree	8.81%	45
Strongly Disagree	2.54%	13

The cutouts and teacher-gathered materials were manageable.

Choice	Response Percent	Response Total
Strongly Agree	18.00%	92
Agree	51.66%	264
Disagree	20.55%	105
Strongly Disagree	9.78%	50

Approximately how many hours did it take to administer the reading assessment?

Choice	Response Percent	Response Total
Less than 1	7.82%	14
1 – 2	59.22%	106
2 – 3	21.79%	39
3 – 4	6.15%	11
4 or more	5.03%	6

Approximately how many days did you use to administer the reading assessment?

Choice	Response Percent	Response Total
Less than 1	35.36%	64
1 – 2	43.09%	78
2 – 3	11.60%	21
3 – 4	6.08%	11
4 or more	3.87%	7

Approximately how many hours did it take to administer the mathematics assessment?

Choice	Response Percent	Response Total
Less than 1	11.36%	20
1 – 2	60.23%	106
2 – 3	19.89%	35
3 – 4	6.25%	11
4 or more	2.27%	4

Approximately how many days did you use to administer the mathematics assessment?

Choice	Response Percent	Response Total
Less than 1	39.77%	70
1 – 2	40.91%	72
2 – 3	10.80%	19
3 – 4	4.55%	8
4 or more	3.98%	7

Approximately how many hours did it take to administer the writing assessment?

Choice	Response Percent	Response Total
Less than 1	11.59%	8
1 – 2	53.62%	37
2 – 3	17.39%	12
3 – 4	10.14%	7
4 or more	7.25%	5

Approximately how many days did you use to administer the writing assessment?

Choice	Response Percent	Response Total
Less than 1	35.29%	24
1 – 2	39.71%	27
2 – 3	13.24%	9
3 – 4	8.82%	6
4 or more	2.94%	2

Approximately how many hours did it take to administer the science assessment?

Choice	Response Percent	Response Total
Less than 1	21.43%	12
1 – 2	50.00%	28
2 – 3	23.21%	13
3 – 4	1.79%	1
4 or more	3.57%	2

Approximately how many days did you use to administer the science assessment?

Choice	Response Percent	Response Total
Less than 1	49.12%	28
1 – 2	36.84%	21
2 – 3	10.53%	6
3 – 4	1.75%	1
4 or more	1.75%	1

APPENDIX F—REPORT SHELLS

Spring 2014 Florida Alternate Assessment Student and Parent Report

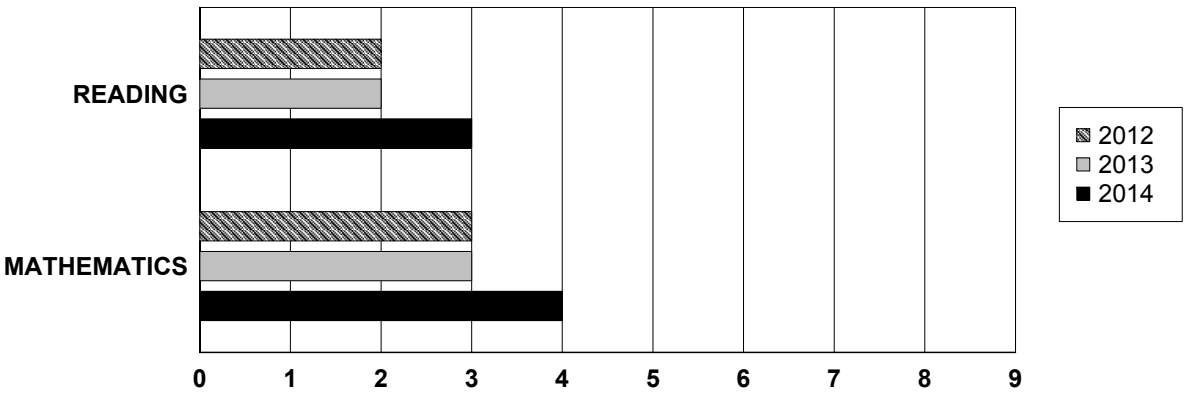
Student Name: STUDENT6, SAMPLE
SID: 1234567890
Grade: 08
District: 100-COOKSON
School: 0002-SAMPLE MIDDLE SCHOOL

This report is a summary of your child's performance on the **Florida Alternate Assessment**. The **Florida Alternate Assessment** is designed to measure the academic skills your child knows and is able to demonstrate in the *Sunshine State Standards Access Points* for Language Arts (Reading and Writing), Mathematics, and Science. For each **academic area**, your child's **total score** (range 0-144) is provided below. The **Level** (1-9) tells you how well your child is doing on the access points assessed. Generally, students in **Levels 1-3** are developing rudimentary knowledge of specific academic skills derived from instruction and practice and may require cueing and/or prompting. Students performing at **Levels 4-6** are acquiring specific academic skills derived from instruction and practice with moderate success. Students performing at **Levels 7-9** have mastered and generalized specific academic skills derived from instruction and practice. The final column provides a brief description of your child's performance. The graph below shows your child's current and historical performance in Reading and Mathematics.

Understanding Your Child's Score: For details about your child's specific performance on the grade level access points, please refer to the back of this report and discuss these results with your child's teacher. The performance levels achieved can be used to assist in developing goals for **Individual Educational Plans.**

Academic Area	Total Score (0-144)	Performance Level (1-9)	Performance Level Descriptors
READING	50	3	• Performance reflects basic understanding of learning standards, academic expectations and core knowledge of topic contained in the participatory grade level access points. • Level signifies the beginning to respond to challenging instruction and the steady learning of new knowledge, skills, and concepts. • Minimal prompting and assistance is required, and performance on participatory level skills is primarily accurate. • Depth of knowledge of items generally reflects skills associated with attention and memorization/recalling information.
MATHEMATICS	61	4	• Performance reflects an initial understanding of challenging academic expectations and core knowledge of topics contained in the supported grade level access points. • Some simple problems can be solved independently and performance on supported level skills is limited. • Depth of knowledge of items generally reflects preliminary skills associated with explaining, concluding, restating, and classifying information.
WRITING	46	3	• Performance reflects basic understanding of learning standards, academic expectations and core knowledge of topic contained in the participatory grade level access points. • Level signifies the beginning to respond to challenging instruction and the steady learning of new knowledge, skills, and concepts. • Minimal prompting and assistance is required, and performance on participatory level skills is primarily accurate. • Depth of knowledge of items generally reflects skills associated with attention and memorization/recalling information.
SCIENCE	42	3	• Performance reflects basic understanding of learning standards, academic expectations and core knowledge of topic contained in the participatory grade level access points. • Level signifies the beginning to respond to challenging instruction and the steady learning of new knowledge, skills, and concepts. • Minimal prompting and assistance is required, and performance on participatory level skills is primarily accurate. • Depth of knowledge of items generally reflects skills associated with attention and memorization/recalling information.

Performance Levels (Range 1-9)



* NA indicates that this academic area was not assessed
NS indicates there was not enough information to calculate a score

READING

Code	Level	Access Point
LA.8.2.2.02	S	The student will use information from read-aloud nonfiction text to identify the main idea and supporting details (e.g., who, what, where, when, how, what happened).
LA.8.1.6.01	S	The student will use new vocabulary that is introduced and taught directly.
LA.8.1.5.01	S	The student will read text with accuracy.
LA.8.1.7.03	S	The student will determine the main idea or essential message in text through identifying the topic, relevant details, and facts, including but not limited to who, what, where, when, how, and what happened.
LA.8.1.5.01	P	The student will accurately and consistently identify pictures or symbols paired with words in stories and daily activities.
LA.8.1.5.01	P	The student will accurately and consistently identify pictures or symbols paired with words in stories and daily activities.
LA.8.1.6.03	P	The student will identify persons, objects, and actions by name or characteristic.
LA.8.1.5.01	P	The student will accurately and consistently identify pictures or symbols paired with words in stories and daily activities.
LA.8.1.6.01	P	The student will respond to new vocabulary that is introduced and taught directly.
LA.8.2.1.02	P	The student will recognize characters, objects, and actions in read-aloud literature from various genres (e.g., fiction, poetry, drama).
LA.8.1.7.02	P2	The student will recognize details and what happened in read-aloud stories and informational text.
LA.8.1.7.02	P2	The student will recognize details and what happened in read-aloud stories and informational text.
LA.8.1.7.05	P1	The student will use pictures or symbols paired with words to achieve desired cause/effect outcomes in daily classroom activities.
LA.8.2.1.02	P1	The student will recognize words that describe people, objects, and actions in read-aloud literature.
LA.8.2.1.02	P1	The student will recognize characters, objects, and actions in read-aloud literature from various genres (e.g., fiction, poetry, drama).
LA.8.2.2.03	P1	The student will recognize persons, objects, and actions in read-aloud informational text.

MATHEMATICS

Code	Level	Access Point
MA.8.A.01.01	I	Identify the relationship between two sets of related data such as ordered number pairs in a table.
MA.8.A.01.05	I	Identify the relationship between two sets of related data such as ordered number pairs in a table.
MA.8.G.02.02	I	Identify triangles that are the same shape but different size (similar) using physical and visual models.
MA.8.G.02.01	S	Match triangles that are the same shape but different size (similar) using physical models.
MA.8.G.02.04	S	Locate the right angle within a right triangle.
MA.8.A.01.05	P	Solve simple real-world problems involving quantities using language, such as number names, more, less, same, larger, smaller, and none.
MA.8.G.05.01	P	Recognize tools used for measurement, such as clocks, calendars, and rulers.
MA.8.A.01.05	P2	Distinguish between the position of two objects, such as first and next.
MA.8.A.04.01	P2	Identify a given quantity to 7 and add 1 more to solve problems.
MA.8.A.06.04	P2	Recognize half and whole of sets of objects to 8.
MA.8.A.06.04	P2	Recognize half and whole of sets of objects to 8.
MA.8.G.02.04	P2	Recognize the longest side (hypotenuse) of a right triangle.
MA.8.S.03.01	P2	Count the objects, pictures, or symbols used in a pictograph or chart and identify a total to 8.
MA.8.S.03.02	P2	Count the objects, pictures, or symbols used in a pictograph or chart and identify a total to 8.
MA.8.A.04.01	P1	Identify a given quantity to 8 and take away 1 to solve problems.
MA.8.G.05.01	P1	Recognize tools used for measurement, such as clocks, calendars, and rulers.

SCIENCE

Code	Level	Access Point
SC.8.L.18.02	I	Recognize that cells break down food to release energy.
SC.8.E.05.09	P	Recognize the four seasons.
SC.8.L.18.01	P	Recognize that plants need water and light to grow.
SC.8.L.18.01	P	Recognize that plants need water and light to grow.
SC.8.N.04.01	P	Recognize a way science is used in the community.
SC.8.P.08.08	P	Recognize common acids as safe or harmful.
SC.8.P.09.03	P	Recognize that heat influences changes (chemical) in matter, such as cooking.
SC.8.P.09.03	P	Recognize that heat influences changes (chemical) in matter, such as cooking.
SC.8.E.05.05	P2	Recognize a technology tool created for space exploration and adapted for personal use, such as computers, telescopes, or satellites.
SC.8.P.08.02	P2	Recognize the heavier of two objects.
SC.8.P.08.03	P2	Recognize the heavier of two objects.
SC.8.P.08.05	P2	Separate a mixture into its parts.
SC.8.E.05.01	P1	Recognize that the Moon is closer to Earth than the Sun.
SC.8.N.01.04	P1	Recognize science as a way to solve problems about the natural world.
SC.8.N.04.01	P1	Recognize a way science is used in the community.
SC.8.P.08.01	P1	Recognize examples of the gaseous state of matter, such as steam or smoke.

WRITING

Code	Level	Access Point
LA.8.3.4.03	S	The student will edit for correct use of end punctuation (period and question mark) for sentences.
LA.8.4.1.01	S	The student will write narratives about events that include a main idea, descriptive details, characters, and a sequence of events.
LA.8.3.3.01	P	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by changing or rearranging pictures, symbols, or words.
LA.8.3.3.02	P	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by changing or rearranging pictures, symbols, or words.
LA.8.3.3.02	P	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by changing or rearranging pictures, symbols, or words.
LA.8.4.1.01	P	The student will communicate information that tells about persons, objects, and activities.
LA.8.4.1.01	P	The student will communicate information that tells about persons, objects, and activities.
LA.8.4.2.02	P	The student will communicate information about persons, objects, activities, or events using pictures, symbols, or words.
LA.8.4.2.03	P	The student will communicate information about persons, objects, activities, or events using pictures, symbols, or words.
LA.8.3.3.01	P2	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by changing or rearranging pictures, symbols, or words.
LA.8.3.4.03	P2	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by selecting different pictures, symbols, or words.
LA.8.3.4.05	P2	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by selecting different pictures, symbols, or words.
LA.8.4.1.01	P2	The student will communicate information that tells about persons, objects, and activities.
LA.8.4.2.01	P2	The student will communicate information about classroom activities.
LA.8.4.2.01	P2	The student will communicate information about classroom activities.
LA.8.3.4.02	P1	The student will adjust information communicated about familiar persons, objects, activities, or events when necessary by selecting different pictures, symbols, or words.

Code - Access Point Benchmark Code
Level - Highest access point demonstrated (I - Independent, S - Supported, P - Participatory)
Access Point - Skills associated with the highest level demonstrated
Blank -The content area was not assessed (NA).

I - Responded correctly to the Participatory, Supported and Independent Level skills measured
S - Responded correctly to the Participatory and Supported Level skills measured
P - Responded correctly to the Participatory Level skills measured

P2 - Responded correctly to the Participatory Level skills measured with one option removed
P1 - Responded correctly to the Participatory Level skills measured with two options removed
P0 - Student refused to respond to the Participatory Level skills measured

Spring 2014
Florida Alternate Assessment
School Report

District: 100-COOKSON School: 0002-SAMPLE MIDDLE SCHOOL

READING				
Student ID	**Name**	**Grade**	**Performance Level (1-9)**	**Total Score (0-144)***
111111111X	STUDENT1, SAMPLE	06	6	98
222222222X	STUDENT2, SAMPLE	07	3	50
333333333X	STUDENT3, SAMPLE	07	3	49
444444444X	STUDENT4, SAMPLE	07	3	52
555555555X	STUDENT5, SAMPLE	07	1	26
1234567890	STUDENT6, SAMPLE	08	3	50
0987654321	STUDENT7, SAMPLE	08	7	102
666666666X	STUDENT8, SAMPLE	08	4	68
777777777X	STUDENT9, SAMPLE	08	2	27
888888888X	STUDENT91, SAMPLE	08	3	54
999999999X	STUDENT92, SAMPLE	08	7	105

MATHEMATICS				
Student ID	**Name**	**Grade**	**Performance Level (1-9)**	**Total Score (0-144)***
111111111X	STUDENT1, SAMPLE	06	4	68
222222222X	STUDENT2, SAMPLE	07	3	57
333333333X	STUDENT3, SAMPLE	07	2	36
444444444X	STUDENT4, SAMPLE	07	2	36
555555555X	STUDENT5, SAMPLE	07	2	30
1234567890	STUDENT6, SAMPLE	08	4	61
0987654321	STUDENT7, SAMPLE	08	5	71
666666666X	STUDENT8, SAMPLE	08	3	54
777777777X	STUDENT9, SAMPLE	08	1	26
888888888X	STUDENT91, SAMPLE	08	2	35
999999999X	STUDENT92, SAMPLE	08	6	92

WRITING				
Student ID	**Name**	**Grade**	**Performance Level (1-9)**	**Total Score (0-144)***
1234567890	STUDENT6, SAMPLE	08	3	46
0987654321	STUDENT7, SAMPLE	08	5	80
666666666X	STUDENT8, SAMPLE	08	5	76
777777777X	STUDENT9, SAMPLE	08	2	35
888888888X	STUDENT91, SAMPLE	08	4	66

* NA indicates that this academic area was not assessed
NS indicates there was not enough information to calculate a score

SCIENCE				
Student ID	Name	Grade	Performance Level (1-9)	Total Score (0-144)*
1234567890	STUDENT6, SAMPLE	08	3	42
0987654321	STUDENT7, SAMPLE	08	6	90
666666666X	STUDENT8, SAMPLE	08	6	87
777777777X	STUDENT9, SAMPLE	08	8	116
888888888X	STUDENT91, SAMPLE	08	8	121

SUMMARY												
Academic Area	Number of Students			Performance Level								
	Assessed	Not Assessed*	No Score*	1	2	3	4	5	6	7	8	9
READING	11	0	0	0	0	0	2	0	1	1	3	4
MATHEMATICS	11	0	0	0	1	1	0	1	2	1	4	1
WRITING	5	0	0	0	1	1	1	2	0	0	0	0
SCIENCE	5	0	0	0	0	1	0	0	2	0	2	0

Redisclosure Restriction: Individual-level student data or aggregates of data wherein the total number of individual students is 10 or fewer must not be publicly released.

* NA indicates that this academic area was not assessed
NS indicates there was not enough information to calculate a score

THE FLORIDA ALTERNATE ASSESSMENT

The Florida Alternate Assessment is designed to measure the academic skills your students know and are able to demonstrate in the *Sunshine State Standards Access Points* for Language Arts (Reading and Writing), Mathematics, and Science.

Academic Area	Grade Level								
	3	4	5	6	7	8	9	10	11
Reading	•	•	•	•	•	•	•	•	
Mathematics	•	•	•	•	•	•	•	•	
Writing		•				•		•	
Science			•			•			•

Students are administered 16 items* in each academic area according to their grade level (see chart above). Each item has three questions to measure the three levels of complexity (Participatory, Supported, and Independent). All students start an item at the Participatory Level and continue to work through each of the three questions until he or she is unable to answer accurately at that level, or completes the item accurately at the Independent Level.

SCORING

Students can earn 1, 2, 3, 6, or 9 points per item depending on the highest level of complexity answered correctly. If the student refused to participate, they received a 0 for that item. The student's total score for each academic area is the sum of points earned for the 16 items. The maximum score possible in each academic area is 144.

UNDERSTANDING STUDENT SCORES

There are nine performance levels, Level 1 – 9. A student is counted as proficient if he/she attains a level 4 or higher; or demonstrates growth. Students who score level 4 or higher on the prior year assessment and maintained their level or scored higher on the current year assessment are considered to have made growth. Students who scored in level 1, 2, or 3 on the prior year assessment and score at least one level higher on the current year assessment are considered to have demonstrated growth.

For more specific information about student scores and performance levels; or, if you have questions about the scoring system for the Florida Alternate Assessment, please contact your district's Alternate Assessment Coordinator.

* - Students are administered 4 field test items per academic area for a total of 20 items

Grade-level raw scores (0-144) for each academic area and performance level

READING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-23	24-39	40-62	63-69	70-84	85-98	99-105	106-119	120-144
4	0-27	28-43	44-62	63-71	72-85	86-98	99-106	107-117	118-144
5	0-28	29-43	44-62	63-70	71-85	86-98	99-110	111-122	123-144
6	0-27	28-44	45-62	63-77	78-88	89-98	99-111	112-123	124-144
7	0-27	28-44	45-62	63-74	75-89	90-98	99-112	113-126	127-144
8	0-25	26-44	45-62	63-73	74-88	89-98	99-111	112-126	127-144
9	0-25	26-42	43-62	63-73	74-89	90-98	99-115	116-126	127-144
10	0-27	28-42	43-62	63-72	73-87	88-98	99-113	114-126	127-144

MATHEMATICS

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-22	23-38	39-57	58-70	71-86	87-98	99-110	111-125	126-144
4	0-22	23-41	42-57	58-69	70-86	87-98	99-110	111-126	127-144
5	0-24	25-39	40-57	58-72	73-86	87-98	99-110	111-123	124-144
6	0-25	26-38	39-57	58-71	72-87	88-98	99-111	112-126	127-144
7	0-25	26-40	41-57	58-69	70-86	87-98	99-110	111-126	127-144
8	0-26	27-40	41-57	58-69	70-85	86-98	99-110	111-126	127-144
9	0-23	24-41	42-57	58-70	71-90	91-98	99-107	108-130	131-144
10	0-28	29-44	45-57	58-69	70-91	92-98	99-108	109-129	130-144

WRITING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
4	0-23	24-35	36-63	64-70	71-86	87-98	99-111	112-128	129-144
8	0-27	28-40	41-63	64-71	72-86	87-98	99-111	112-125	126-144
10	0-24	25-41	42-63	64-73	74-86	87-98	99-111	112-126	127-144

SCIENCE

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
5	0-22	23-38	39-58	59-75	76-87	88-102	103-114	115-124	125-144
8	0-23	24-39	40-58	59-71	72-84	85-102	103-113	114-124	125-144
11	0-23	24-39	40-58	59-71	72-85	86-102	103-111	112-122	123-144

Conversion

Performance levels 1-3 are considered emergent
Performance levels 4-6 are considered achieved
Performance levels 7-9 are considered commended

Spring 2014
Florida Alternate Assessment
District Report

District: 100-COOKSON

READING													
School	Number of Students*			Performance Level [1]									
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
0000-SAMPLE ELEMENTARY SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	0%	0%	100%
0001-SAMPLE HIGH SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	14%	29%	57%
0002-SAMPLE MIDDLE SCHOOL	11	0	0	36%	9%	27%	0%	9%	18%	0%	0%	0%
0003-SAMPLE MIDDLE SCHOOL2	31	0	0	16%	13%	45%	6%	6%	6%	6%	0%	0%
0004-SAMPLE ELEMENTARY SCHOOL2	10	0	0	20%	0%	50%	0%	10%	10%	0%	0%	10%
0005-SAMPLE HIGH SCHOOL2	16	0	*	0%	0%	19%	6%	25%	0%	25%	25%	0%

MATHEMATICS													
School	Number of Students*			Performance Level [1]									
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
0000-SAMPLE ELEMENTARY SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	0%	0%	100%
0001-SAMPLE HIGH SCHOOL	*	0	0	0%	0%	0%	0%	43%	14%	29%	14%	0%
0002-SAMPLE MIDDLE SCHOOL	11	0	0	36%	18%	9%	18%	9%	0%	9%	0%	0%
0003-SAMPLE MIDDLE SCHOOL2	31	0	0	16%	35%	26%	10%	13%	0%	0%	0%	0%
0004-SAMPLE ELEMENTARY SCHOOL2	10	0	0	20%	20%	10%	20%	10%	0%	10%	0%	10%
0005-SAMPLE HIGH SCHOOL2	16	*	0	0%	0%	19%	19%	19%	25%	6%	13%	0%

* - 'Number of Students' is not reported where there are less than 10 students.
1 - Percentages have been rounded and therefore may not sum to exactly 100%.
2 - 'Not Assessed' indicates that this academic area was not assessed.
3 - 'No Score' indicates there was not enough information to calculate a score.

WRITING													
School	Number of Students*			Performance Level [1]									
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
0000-SAMPLE ELEMENTARY SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	0%	0%	100%
0001-SAMPLE HIGH SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	0%	67%	33%
0002-SAMPLE MIDDLE SCHOOL	*	0	0	50%	0%	0%	50%	0%	0%	0%	0%	0%
0003-SAMPLE MIDDLE SCHOOL2	13	0	0	8%	8%	31%	15%	23%	8%	8%	0%	0%
0004-SAMPLE ELEMENTARY SCHOOL2	*	0	0	33%	0%	33%	0%	0%	33%	0%	0%	0%
0005-SAMPLE HIGH SCHOOL2	*	0	0	0%	0%	0%	0%	40%	0%	20%	20%	20%

SCIENCE													
School	Number of Students*			Performance Level [1]									
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
0000-SAMPLE ELEMENTARY SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	0%	0%	100%
0001-SAMPLE HIGH SCHOOL	*	0	0	0%	0%	0%	0%	0%	0%	50%	0%	50%
0002-SAMPLE MIDDLE SCHOOL	*	0	0	50%	0%	25%	0%	25%	0%	0%	0%	0%
0003-SAMPLE MIDDLE SCHOOL2	18	0	0	6%	28%	56%	0%	0%	11%	0%	0%	0%
0004-SAMPLE ELEMENTARY SCHOOL2	*	0	0	25%	25%	25%	0%	0%	25%	0%	0%	0%
0005-SAMPLE HIGH SCHOOL2	*	0	0	0%	0%	20%	20%	20%	0%	20%	20%	0%

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SUMMARY													
Academic Area	Number of Students*			Performance Level[1]									
	Assessed	Not Assessed[2]	No Score[3]	1	2	3	4	5	6	7	8	9
READING	77	0	*	8%	4%	23%	5%	11%	10%	13%	12%	13%
MATHEMATICS	77	*	0	7%	13%	14%	14%	18%	9%	14%	8%	5%
WRITING	26	0	0	4%	1%	24%	4%	18%	12%	15%	15%	7%
SCIENCE	34	0	0	5%	8%	28%	7%	13%	16%	5%	8%	9%

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Academic Area	Grade Level								
	3	4	5	6	7	8	9	10	11
Reading	●	●	●	●	●	●	●	●	
Mathematics	●	●	●	●	●	●	●	●	
Writing		●				●		●	
Science			●			●			●

Students are administered 16 items* in each academic area according to their grade level (see chart above). Each item has three questions to measure the three levels of complexity (Participatory, Supported, and Independent). All students start an item at the Participatory Level and continue to work through each of the three questions until he or she is unable to answer accurately at that level, or completes the item accurately at the Independent Level.

SCORING

Students can earn 1, 2, 3, 6, or 9 points per item depending on the highest level of complexity answered correctly. If the student refused to participate, they received a 0 for that item. The student's total score for each academic area is the sum of points earned for the 16 items. The maximum score possible in each academic area is 144.

UNDERSTANDING STUDENT SCORES

There are nine performance levels, Level 1 – 9. A student is counted as proficient if he/she attains a level 4 or higher; or demonstrates growth. Students who score level 4 or higher on the prior year assessment and maintained their level or scored higher on the current year assessment are considered to have made growth. Students who scored in level 1, 2, or 3 on the prior year assessment and score at least one level higher on the current year assessment are considered to have demonstrated growth.

For more specific information about student scores and performance levels; or, if you have questions about the scoring system for the Florida Alternate Assessment, please contact the Florida Department of Education's Bureau of Exceptional Education and Student Services.

* - Students are administered 4 field test items per academic area for a total of 20 items

Grade-level raw scores (0-144) for each academic area and performance level

READING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-23	24-39	40-62	63-69	70-84	85-98	99-105	106-119	120-144
4	0-27	28-43	44-62	63-71	72-85	86-98	99-106	107-117	118-144
5	0-28	29-43	44-62	63-70	71-85	86-98	99-110	111-122	123-144
6	0-27	28-44	45-62	63-77	78-88	89-98	99-111	112-123	124-144
7	0-27	28-44	45-62	63-74	75-89	90-98	99-112	113-126	127-144
8	0-25	26-44	45-62	63-73	74-88	89-98	99-111	112-126	127-144
9	0-25	26-42	43-62	63-73	74-89	90-98	99-115	116-126	127-144
10	0-27	28-42	43-62	63-72	73-87	88-98	99-113	114-126	127-144

MATHEMATICS

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-22	23-38	39-57	58-70	71-86	87-98	99-110	111-125	126-144
4	0-22	23-41	42-57	58-69	70-86	87-98	99-110	111-126	127-144
5	0-24	25-39	40-57	58-72	73-86	87-98	99-110	111-123	124-144
6	0-25	26-38	39-57	58-71	72-87	88-98	99-111	112-126	127-144
7	0-25	26-40	41-57	58-69	70-86	87-98	99-110	111-126	127-144
8	0-26	27-40	41-57	58-69	70-85	86-98	99-110	111-126	127-144
9	0-23	24-41	42-57	58-70	71-90	91-98	99-107	108-130	131-144
10	0-28	29-44	45-57	58-69	70-91	92-98	99-108	109-129	130-144

WRITING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
4	0-23	24-35	36-63	64-70	71-86	87-98	99-111	112-128	129-144
8	0-27	28-40	41-63	64-71	72-86	87-98	99-111	112-125	126-144
10	0-24	25-41	42-63	64-73	74-86	87-98	99-111	112-126	127-144

SCIENCE

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
5	0-22	23-38	39-58	59-75	76-87	88-102	103-114	115-124	125-144
8	0-23	24-39	40-58	59-71	72-84	85-102	103-113	114-124	125-144
11	0-23	24-39	40-58	59-71	72-85	86-102	103-111	112-122	123-144

Conversion

Performance levels 1-3 are considered emergent
Performance levels 4-6 are considered achieved
Performance levels 7-9 are considered commended

Spring 2014
Florida Alternate Assessment
State Report

READING													
District	Number of Students*			Performance Level [1]									
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
100-COOKSON	77	0	*	8%	4%	23%	5%	11%	10%	13%	12%	13%
101-GROVE	234	*	*	2%	9%	10%	6%	13%	7%	14%	16%	23%
102-PARK	27	0	0	0%	4%	4%	7%	7%	11%	30%	19%	19%
103-TREVOR	456	*	*	8%	9%	13%	6%	10%	13%	14%	15%	13%

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2 - 'Not Assessed' indicates that this academic area was not assessed.
3 - 'No Score' indicates there was not enough information to calculate a score.

MATHEMATICS													
District	Number of Students*			Performance Level [1]								
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
100-COOKSON	77	*	0	7%	13%	14%	14%	18%	9%	14%	8%	5%
101-GROVE	235	0	*	2%	9%	14%	13%	17%	9%	9%	13%	13%
102-PARK	27	0	0	0%	7%	4%	19%	15%	15%	7%	22%	11%
103-TREVOR	455	*	*	6%	12%	17%	12%	18%	12%	11%	9%	4%

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WRITING													
District	Number of Students*			Performance Level [1]								
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
100-COOKSON	26	0	0	4%	1%	24%	4%	18%	12%	15%	15%	7%
101-GROVE	84	0	0	1%	7%	12%	5%	15%	13%	12%	17%	18%
102-PARK	10	0	0	0%	0%	10%	10%	10%	0%	30%	10%	30%
103-TREVOR	166	*	*	4%	8%	17%	7%	13%	10%	13%	12%	16%

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SCIENCE													
District	Number of Students*			Performance Level [1]								
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
100-COOKSON	34	0	0	5%	8%	28%	7%	13%	16%	5%	8%	9%
101-GROVE	84	0	0	2%	8%	7%	11%	12%	12%	15%	13%	19%
102-PARK	*	0	0	0%	0%	0%	0%	11%	44%	0%	22%	22%
103-TREVOR	146	0	*	5%	8%	14%	5%	14%	20%	12%	14%	8%

SUMMARY												
Academic Area	Number of Students*			Performance Level [1]								
	Assessed	Not Assessed [2]	No Score [3]	1	2	3	4	5	6	7	8	9
READING	794	*	*	6%	10%	12%	6%	10%	9%	13%	15%	18%
MATHEMATICS	794	*	*	7%	11%	14%	11%	16%	10%	10%	13%	8%
WRITING	286	*	*	6%	8%	16%	5%	10%	9%	13%	16%	17%
SCIENCE	264	0	*	5%	8%	13%	10%	11%	18%	12%	11%	13%

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Academic Area	Grade Level								
	3	4	5	6	7	8	9	10	11
Reading	●	●	●	●	●	●	●	●	
Mathematics	●	●	●	●	●	●	●	●	
Writing		●				●		●	
Science			●			●			●

Students are administered 16 items* in each academic area according to their grade level (see chart above). Each item has three questions to measure the three levels of complexity (Participatory, Supported, and Independent). All students start an item at the Participatory Level and continue to work through each of the three questions until he or she is unable to answer accurately at that level, or completes the item accurately at the Independent Level.

SCORING

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* - Students are administered 4 field test items per academic area for a total of 20 items

Grade-level raw scores (0-144) for each academic area and performance level

READING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-23	24-39	40-62	63-69	70-84	85-98	99-105	106-119	120-144
4	0-27	28-43	44-62	63-71	72-85	86-98	99-106	107-117	118-144
5	0-28	29-43	44-62	63-70	71-85	86-98	99-110	111-122	123-144
6	0-27	28-44	45-62	63-77	78-88	89-98	99-111	112-123	124-144
7	0-27	28-44	45-62	63-74	75-89	90-98	99-112	113-126	127-144
8	0-25	26-44	45-62	63-73	74-88	89-98	99-111	112-126	127-144
9	0-25	26-42	43-62	63-73	74-89	90-98	99-115	116-126	127-144
10	0-27	28-42	43-62	63-72	73-87	88-98	99-113	114-126	127-144

MATHEMATICS

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
3	0-22	23-38	39-57	58-70	71-86	87-98	99-110	111-125	126-144
4	0-22	23-41	42-57	58-69	70-86	87-98	99-110	111-126	127-144
5	0-24	25-39	40-57	58-72	73-86	87-98	99-110	111-123	124-144
6	0-25	26-38	39-57	58-71	72-87	88-98	99-111	112-126	127-144
7	0-25	26-40	41-57	58-69	70-86	87-98	99-110	111-126	127-144
8	0-26	27-40	41-57	58-69	70-85	86-98	99-110	111-126	127-144
9	0-23	24-41	42-57	58-70	71-90	91-98	99-107	108-130	131-144
10	0-28	29-44	45-57	58-69	70-91	92-98	99-108	109-129	130-144

WRITING

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
4	0-23	24-35	36-63	64-70	71-86	87-98	99-111	112-128	129-144
8	0-27	28-40	41-63	64-71	72-86	87-98	99-111	112-125	126-144
10	0-24	25-41	42-63	64-73	74-86	87-98	99-111	112-126	127-144

SCIENCE

Grade	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
5	0-22	23-38	39-58	59-75	76-87	88-102	103-114	115-124	125-144
8	0-23	24-39	40-58	59-71	72-84	85-102	103-113	114-124	125-144
11	0-23	24-39	40-58	59-71	72-85	86-102	103-111	112-122	123-144

Conversion
Performance levels 1-3 are considered emergent
Performance levels 4-6 are considered achieved
Performance levels 7-9 are considered commended

Appendix G—PARENT AND TEACHER BROCHURES

English

Understanding the Florida Alternate Assessment and Your Child's Scores

Information for Parents

Languages included:

English

English

How does the Florida Alternate Assessment impact my child?

The Florida Alternate Assessment is designed to provide an option for participation in the state's accountability system in a way that is both meaningful and academically challenging for every student with a significant cognitive disability. Your child's involvement in the assessment can help inform and enhance classroom instruction by providing information on your child's areas of strength and/or areas for improvement.

Florida has a standards-driven system for all students. Florida's *Next Generation Sunshine State Standards* and **Access Points** for Students with Significant Cognitive Disabilities drive the curriculum, instructional strategies, and assessment.

What are Access Points?

- Access Points reflect the key concepts of the *Next Generation Sunshine State Standards* with reduced **levels of complexity**. They ensure access to the essence or core intent of the standards that apply to all students in the same grade.

For more information about the Access Points, visit the Curriculum Planning and Learning Management System (CPALMS) Web site at http://www.cpalms.org/.

What are the Levels of Complexity?

Each Access Point has three levels of complexity.

Less Complex

More Complex

- The **Participatory** level of complexity focuses on skills at a beginning academic awareness level, such as recognizing parts of a whole or recognizing a letter or number.
- The **Supported** level of complexity focuses on skills that require identifying, recalling, or performing basic academic skills, such as reading words or solving simple math problems.
- The **Independent** level of complexity focuses on skills that require organizing, comparing, and analyzing, such as identifying the main idea of a story or solving more complex math problems.

English

What is the Florida Alternate Assessment?

- The Florida Alternate Assessment is a performance-based assessment, not a paper and pencil test. It is designed for students with significant cognitive disabilities for whom participation in the Florida Comprehensive Assessment Test® (FCAT) is inappropriate, even with accommodations.
- The Florida Alternate Assessment is administered annually and assesses students in Reading (grades 3–10), Mathematics (grades 3–10), Writing (grades 4, 8, and 10), and Science (grades 5, 8, and 11).
- For each academic area assessed, 16 items are administered to each student individually by the student's special education teacher, a certified teacher, or other licensed professional who has worked extensively with the student and is trained in the assessment procedures.
- Students enter an item at the Participatory level and continue to work through each level of complexity until they answer a question incorrectly or answer correctly at the Independent level.
- Students typically select an answer to a question from three response options represented by pictures, text, numbers, and/or symbols in a Response Booklet.
- At the Participatory level of complexity only, a process called "scaffolding" occurs when the number of response options is reduced each time a student is unable to respond correctly.

How is my child's assessment scored?

Students can score 0, 1, 2, 3, 6, or 9 points per item, depending on the highest level of complexity answered correctly. Students only earn a 0 if they will not engage or they actively refuse to participate in an item at the Participatory level. The student's total score for each academic area is the sum of points earned for the 16 items. The maximum score possible in each academic area is 144.

How are my child's results reported?

- Your child's results in the Student Report are reported in terms of **Performance Levels** (levels 1–9) that describe your child's knowledge, skills, and abilities in relation to the established *Next Generation Sunshine State Standards Access Points*.

English

What are the Performance Levels?

There are a total of nine Performance Levels falling within three performance categories: emergent, achieved, and commended.

Emergent			Achieved			Commended		
1	2	3	4	5	6	7	8	9

- Students performing at levels 1–3 are developing basic knowledge of specific academic skills derived from instruction and practice and may require cueing and/or prompting.
- Students performing at levels 4–6 are acquiring specific academic skills derived from instruction and practice with moderate success.
- Students performing at levels 7–9 have mastered and generalized specific academic skills derived from instruction and practice.

How will the assessment results be used?

The Florida Alternate Assessment is only one measure of your child's performance and should be viewed in the context of your child's local programs and other measures. Your child's results can be used to:

- identify learning gains;
- assist the IEP team in developing annual goals and objectives;
- inform instructional planning; and
- monitor progress from year to year.

How can I get more information?

If you have not received your child's Student Report or would like more information about the Florida Alternate Assessment, contact your child's teacher, District Coordinator, or Alternate Assessment Coordinator. Copies of this brochure can be downloaded from the FLDOE Web site at *http://www.fldoe.org/asp/altassessment.asp*.

Pam Stewart
Commissioner of Education

Facts About the Florida Alternate Assessment

Information for Teachers

The Florida Alternate Assessment

The Florida Alternate Assessment is designed specifically to measure student mastery of the *Next Generation Sunshine State Standards Access Points*. Only students with the most significant cognitive disabilities should participate in the Florida Alternate Assessment.

For more information on how to determine who should take the Florida Alternate Assessment, review the Florida Alternate Assessment Participation Checklist at http://www.fldoe.org/asp/altassessment.asp.

What are the Levels of Complexity?

Each Access Point has three levels of complexity.

Less Complex

More Complex

- The **Participatory** level of complexity focuses on skills at a beginning academic awareness level, such as recognizing parts of a whole or recognizing a letter or number.
- The **Supported** level of complexity focuses on skills that require identifying, recalling, or performing basic academic skills, such as reading words or solving simple math problems.
- The **Independent** level of complexity focuses on skills that require organizing, comparing, and analyzing, such as identifying the main idea of a story or solving more complex math problems.

For more information about the Access Points, curriculum resources, and tools, visit the Curriculum Planning and Learning Management System (CPALMS) Web site at http://www.cpalms.org/.

What are the Performance Levels?

There are a total of nine Performance Levels falling within three overarching performance categories: emergent, achieved, and commended.

Emergent			Achieved			Commended		
1	2	3	4	5	6	7	8	9

- Students performing in the **Emergent** category (levels 1–3) are developing basic knowledge of specific academic skills derived from instruction and practice and may require cueing and/or prompting.
- Students performing in the **Achieved** category (levels 4–6) are acquiring specific academic skills derived from instruction and practice with moderate success.
- Students performing in the **Commended** category (levels 7–9) have mastered and generalized specific academic skills derived from instruction and practice.

What is the difference between Access Points and Performance Levels?

- Access Points identify *what* a student should know at each grade level and level of complexity.
- Performance Levels indicate *how much* of the content a student demonstrates on the assessment.

How were Performance Levels determined?

- Performance Levels were determined through the standard-setting process.
- Standard-setting panels, comprised of various stakeholders representing a diverse range of knowledge and expertise, were convened in order to determine the minimum raw score, or "cut score," a student must achieve in order to attain a designated Performance Level.
- In order to determine cut scores, panelists reviewed the assessment, actual student scores, and discussed the Performance Level Descriptors, differentiating between the knowledge, skills, and abilities typically associated with each Performance Level.

For more information about the standard-setting process, review the Florida Alternate Assessment Technical Report at http://www.fldoe.org/asp/altassessment.asp.

How will the nine levels be used to report student growth?

- Students who score level 4 or higher on the prior year assessment and maintained their level or scored higher on the current year assessment are considered to have made growth.
- Students who scored in level 1, 2, or 3 on the prior year assessment and score at least one level higher on the current year assessment are considered to have demonstrated growth.
- Students who scored in level 1, 2, or 3 on the prior year assessment and maintain the same level on the current year assessment will have demonstrated growth if they increase their total score by 5 or more points.

What assessment results are provided to teachers and parents?

- Student Reports, with grade level information about student performance, are provided to schools to share with parents at the end of each school year. In addition, each school receives a school report that includes all students and their scores.
- Results are reported in terms of Performance Levels that describe students' knowledge, skills, and abilities in relation to the established *Next Generation Sunshine State Standards*. Separate Performance Levels are assigned for each academic area that was assessed.

How can teachers help parents understand assessment results?

A crosswalk with grade- and academic area-specific Access Points referenced in the Student Report can be found at *http://www.fldoe.org/asp/altassessment.asp*. To assist parents in understanding the Florida Alternate Assessment scoring system, please refer to the Administration and Scoring Process Flow Chart and the Scoring Rubric and Directions section in your Florida Alternate Assessment Test Administration Manual.

How can teachers use the assessment results?

Students' results can be used to:

- identify students' progression toward learning the knowledge and skills contained in the *Next Generation Sunshine State Standards Access Points*;
- assist the IEP team in writing the Present Level of Academic Achievement by examining the results in conjunction with other information—progress reports, report cards, and parent and teacher observations—to see what additional instruction is needed and in what areas; and
- improve instructional planning by determining if there is a need to adjust the curriculum or for students to be provided with additional supports and learning opportunities.

Are the Florida Alternate Assessment results included in the state's accountability system for my school/district?

- Yes, a student's alternate assessment score is included in the school and district's Adequate Yearly Progress (AYP) calculation. A student is counted as proficient if he/she:
  - attains a level 4 or higher; or
  - demonstrates growth as defined above.
- Since the 2009-10 school year, scores from students who take the Florida Alternate Assessment are included in the learning gains calculation of school grades.

For more information about the Florida Alternate Assessment, contact your Alternate Assessment Coordinator or District Assessment Coordinator.

Pam Stewart
Commissioner of Education

APPENDIX H—ITEM-LEVEL CLASSICAL STATISTICS

Table H-1. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 3

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	245982P	0.87	0.65
	245940P	0.84	0.68
	224730P	0.88	0.64
	179106P	0.87	0.66
	224758P	0.80	0.64
	179047P	0.84	0.65
	179019P	0.85	0.66
	179132P	0.77	0.66
	179138P	0.86	0.67
	224807P	0.81	0.70
	150702P	0.83	0.67
	245964P	0.85	0.66
	150631P	0.84	0.69
	245958P	0.88	0.60
	224746P	0.88	0.63
	179063P	0.88	0.63
Supported Items	179043S	0.57	0.76
	179140S	0.43	0.71
	245942S	0.55	0.75
	179067S	0.61	0.74
	150704S	0.60	0.72
	179049S	0.33	0.46
	245960S	0.36	0.51
	245966S	0.49	0.70
	224750S	0.53	0.69
	245984S	0.66	0.75
Supported Items	224732S	0.38	0.47
	179134S	0.49	0.69
	150635S	0.57	0.76
	224760S	0.52	0.71
	224811S	0.55	0.75
	179108S	0.61	0.73
Independent Items	179045I	0.17	0.39
	150639I	0.10	0.31
	179069I	0.28	0.57
	245944I	0.46	0.74
	224815I	0.28	0.57
	245962I	0.20	0.43
	179112I	0.32	0.55
	224762I	0.33	0.59
	179052I	0.22	0.47
	245968I	0.36	0.66
	224754I	0.43	0.69
	245986I	0.33	0.52
	224742I	0.14	0.39
	179141I	0.29	0.61
	179135I	0.21	0.50
	156273I	0.41	0.67

Table H-2. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 4

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	183266P	0.82	0.69
	223551P	0.82	0.62
	245448P	0.89	0.62
	223562P	0.87	0.63
	245486P	0.88	0.62
	151599P	0.88	0.64
	183334P	0.77	0.60
	183192P	0.90	0.62
	245502P	0.82	0.63
	223540P	0.86	0.65
	151617P	0.89	0.63
	183163P	0.91	0.62
	223453P	0.88	0.63
Participatory Items	245442P	0.90	0.62
	151589P	0.84	0.64
	183315P	0.89	0.63
Supported Items	151602S	0.57	0.68
	183279S	0.52	0.70
	223564S	0.57	0.70
	245469S	0.29	0.43
	183168S	0.64	0.71
	245444S	0.39	0.48
	245504S	0.47	0.67
	183347S	0.40	0.63
	245488S	0.47	0.64
	223545S	0.46	0.60

continued

Item		Difficulty	Discrimination
Type	*Number*		
Supported Items	183195S	0.45	0.59
	223467S	0.35	0.48
	151619S	0.54	0.63
	183319S	0.70	0.71
	223553S	0.54	0.69
	151592S	0.53	0.64
Independent Items	183178I	0.38	0.61
	245489I	0.14	0.37
	151622I	0.35	0.57
	183323I	0.43	0.61
	223475I	0.17	0.42
	223567I	0.28	0.56
	223556I	0.22	0.43
	245507I	0.15	0.45
	223547I	0.17	0.38
	183285I	0.25	0.50
	151595I	0.23	0.43
	183352I	0.14	0.39
	245446I	0.23	0.43
	183199I	0.29	0.53
	151604I	0.43	0.67
	245477I	0.09	0.31

Table H-3. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 5

Item		Difficulty	Discrimination
Type	*Number*		
Participatory Items	246023P	0.90	0.59
	154173P	0.84	0.64
	184542P	0.90	0.61
	154186P	0.86	0.64
	184571P	0.85	0.61
	184659P	0.87	0.54
	154192P	0.89	0.61
	246032P	0.90	0.61
	246005P	0.88	0.63
	184685P	0.89	0.60
	246017P	0.81	0.62
	224944P	0.92	0.56
	224905P	0.89	0.59
	184637P	0.85	0.61
	224962P	0.88	0.59
	184713P	0.80	0.61
Supported Items	246034S	0.59	0.69
	184553S	0.63	0.72
	246007S	0.30	0.53
	246025S	0.71	0.67
	154197S	0.53	0.69
	184642S	0.59	0.73
	184576S	0.61	0.72
	184697S	0.58	0.66
	224964S	0.63	0.71
	224946S	0.55	0.69
	154175S	0.37	0.67
	154188S	0.38	0.64
	184716S	0.45	0.67
	224920S	0.43	0.65
	246019S	0.55	0.72
	184666S	0.63	0.66
Independent Items	154190I	0.26	0.62
	246036I	0.26	0.53
	246021I	0.51	0.75
	184707I	0.25	0.46
	154199I	0.33	0.57
	154176I	0.20	0.54
	184724I	0.27	0.60
	184673I	0.25	0.42
	224966I	0.31	0.59
	224948I	0.40	0.66
	184563I	0.36	0.64
	246009I	0.16	0.44
	184585I	0.29	0.48
	184650I	0.36	0.59
	246027I	0.38	0.57
	224921I	0.28	0.63

Table H-4. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 6

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	180092P	0.80	0.60
	151765P	0.89	0.61
	180133P	0.83	0.67
	222615P	0.82	0.63
	244451P	0.89	0.63
	151706P	0.80	0.62
	244487P	0.81	0.58
	151700P	0.79	0.59
	244466P	0.84	0.60
	151726P	0.85	0.62
	180098P	0.88	0.61
	180127P	0.88	0.64
	244481P	0.89	0.61
	180104P	0.87	0.64
	180116P	0.89	0.63
	222591P	0.82	0.65
Supported Items	244468S	0.42	0.66
	222594S	0.42	0.69
	244483S	0.48	0.65
	180087S	0.34	0.56
	244489S	0.49	0.62
	151729S	0.60	0.66
	151702S	0.25	0.51
	244455S	0.67	0.71
	180106S	0.44	0.63
Supported Items	180118S	0.63	0.69
	151710S	0.33	0.58
	180135S	0.54	0.73
	151767S	0.43	0.60
	180100S	0.51	0.59
	180129S	0.63	0.74
	222620S	0.53	0.71
Independent Items	180096I	0.24	0.56
	244470I	0.22	0.54
	151704I	0.13	0.44
	151733I	0.14	0.33
	244491I	0.35	0.59
	180131I	0.48	0.72
	180108I	0.20	0.49
	244485I	0.23	0.49
	180120I	0.36	0.59
	244457I	0.23	0.41
	151770I	0.29	0.58
	151712I	0.17	0.47
	180137I	0.35	0.64
	222629I	0.34	0.63
	222600I	0.21	0.51
	180102I	0.27	0.46

Table H-5. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 7

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	152889P	0.81	0.65
	221479P	0.85	0.57
	221447P	0.90	0.61
	244099P	0.89	0.56
	184734P	0.84	0.64
	221540P	0.92	0.53
	244127P	0.91	0.58
	244074P	0.90	0.58
	184768P	0.87	0.57
	184750P	0.85	0.49
	221493P	0.89	0.59
	184822P	0.88	0.59
	184944P	0.92	0.55
	244063P	0.87	0.55
Participatory Items	152977P	0.91	0.56
	184787P	0.89	0.60
Supported Items	184952S	0.53	0.58
	184740S	0.48	0.67
	244071S	0.37	0.50
	184756S	0.58	0.58
	221484S	0.50	0.67
	152891S	0.44	0.66
	221546S	0.47	0.61
	184773S	0.44	0.63
	184793S	0.66	0.72
	244129S	0.50	0.63
	244076S	0.51	0.62
	221501S	0.62	0.67

continued

Item		Difficulty	Discrimination
Type	Number		
Supported Items	152979S	0.56	0.61
	184826S	0.48	0.55
	244106S	0.48	0.49
	221454S	0.40	0.50
Independent Items	184780I	0.22	0.52
	184957I	0.41	0.57
	244089I	0.23	0.49
	221456I	0.16	0.42
	184760I	0.28	0.47
	184829I	0.30	0.58
	221553I	0.16	0.44
	184796I	0.59	0.73
	244108I	0.33	0.50
	244131I	0.31	0.56
	221508I	0.38	0.62
	152893I	0.28	0.60
	221491I	0.39	0.66
	244073I	0.24	0.54
	152981I	0.15	0.32
	184745I	0.21	0.50

Table H-6. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 8

Item		Difficulty	Discrimination
Type	Number		
Participatory Items	179091P	0.89	0.61
	179076P	0.93	0.53
	244188P	0.92	0.57
	221473P	0.87	0.60
	244153P	0.90	0.62
	221575P	0.87	0.61
	179065P	0.89	0.59
	150467P	0.92	0.55
	179102P	0.89	0.60
	150597P	0.81	0.61
	244164P	0.89	0.61
	221495P	0.90	0.61
	179113P	0.85	0.58
	179119P	0.93	0.53
	244182P	0.89	0.59
	221481P	0.90	0.61
Supported Items	179093S	0.51	0.63
	179104S	0.61	0.71
	150601S	0.31	0.50
	221499S	0.48	0.61
	179115S	0.32	0.53
	179121S	0.59	0.60
	179071S	0.64	0.69
	221475S	0.33	0.51
	244184S	0.33	0.50
	221579S	0.58	0.67
	244155S	0.50	0.67
	150477S	0.73	0.61
	244166S	0.58	0.69
	221486S	0.42	0.56
	244190S	0.53	0.60
	179079S	0.66	0.50
Independent Items	221587I	0.36	0.60
	244192I	0.17	0.39
	179081I	0.28	0.40
	179073I	0.40	0.62
	150481I	0.47	0.59
	179110I	0.44	0.67
	244157I	0.26	0.54
	150603I	0.11	0.39
	179097I	0.38	0.60
	221477I	0.14	0.46
	244168I	0.25	0.53
	221503I	0.21	0.43
	179117I	0.14	0.38
	179123I	0.23	0.49
	244186I	0.18	0.47
	221489I	0.23	0.48

Table H-7. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 9

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	244616P	0.91	0.55
	180184P	0.91	0.56
	244663P	0.86	0.59
	221949P	0.83	0.59
	222045P	0.91	0.56
	180265P	0.83	0.66
	221916P	0.91	0.57
	180252P	0.88	0.61
	244644P	0.89	0.59
	180162P	0.87	0.60
	222018P	0.86	0.59
	244542P	0.89	0.60
	180292P	0.91	0.55
	180191P	0.82	0.60
	152971P	0.86	0.58
	153002P	0.88	0.55
Supported Items	180254S	0.49	0.65
	222023S	0.54	0.64
	222053S	0.57	0.65
	221921S	0.42	0.60
	244648S	0.55	0.67
	180297S	0.56	0.61
	180176S	0.53	0.66
	244546S	0.58	0.71
	180201S	0.48	0.73
Supported Items	153004S	0.28	0.47
	180186S	0.62	0.70
	244622S	0.52	0.64
	221953S	0.47	0.70
	180269S	0.50	0.69
	244667S	0.48	0.62
	152973S	0.40	0.62
Independent Items	180210I	0.35	0.66
	180187I	0.26	0.58
	180168I	0.33	0.63
	153007I	0.14	0.36
	180275I	0.30	0.58
	222057I	0.20	0.42
	221925I	0.15	0.39
	180256I	0.35	0.62
	244671I	0.27	0.56
	222026I	0.44	0.63
	244651I	0.31	0.53
	244549I	0.34	0.59
	180301I	0.32	0.54
	152975I	0.27	0.56
	221957I	0.29	0.60
	244640I	0.27	0.57

Table H-8. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Mathematics Grade 10

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	223383I	0.24	0.47
	223280I	0.44	0.61
	223315I	0.26	0.56
	183468I	0.33	0.54
	183450I	0.16	0.45
	154308I	0.29	0.60
	154262I	0.12	0.38
	223367I	0.14	0.41
	183586I	0.33	0.56
	223265I	0.14	0.34
	183438I	0.25	0.56
	245417I	0.28	0.54
	245422I	0.25	0.52
	245428I	0.25	0.51
Participatory Items	183526I	0.30	0.54
	183613I	0.10	0.35
Supported Items	154306S	0.51	0.65
	183578S	0.55	0.69
	183446S	0.43	0.56
	223379S	0.36	0.46
	154260S	0.44	0.56
	223308S	0.49	0.68
	245415S	0.54	0.71
	223263S	0.35	0.44
	223363S	0.39	0.62
	223277S	0.59	0.64
	183431S	0.39	0.59
	183465S	0.69	0.65

continued

Item		Difficulty	Discrimination
Type	Number		
Supported Items	245426S	0.39	0.56
	183607S	0.49	0.65
	245420S	0.51	0.68
	183518S	0.59	0.67
Independent Items	223383I	0.24	0.47
	223280I	0.44	0.61
	223315I	0.26	0.56
	183468I	0.33	0.54
	183450I	0.16	0.45
	154308I	0.29	0.60
	154262I	0.12	0.38
	223367I	0.14	0.41
	183586I	0.33	0.56
	223265I	0.14	0.34
	183438I	0.25	0.56
	245417I	0.28	0.54
	245422I	0.25	0.52
	245428I	0.25	0.51
	183526I	0.30	0.54
	183613I	0.10	0.35

Table H-9. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 3

Item		Difficulty	Discrimination
Type	Number		
Participatory Items	149794P	0.90	0.63
	149803P	0.81	0.65
	179263P	0.87	0.66
	221180P	0.91	0.61
	244306P	0.84	0.70
	179389P	0.86	0.65
	179322P	0.86	0.65
	244285P	0.84	0.68
	221255P	0.89	0.62
	221207P	0.84	0.67
	179229P	0.85	0.69
	149823P	0.87	0.68
	149781P	0.91	0.59
	221355P	0.86	0.69
	221327P	0.83	0.68
	244280P	0.91	0.60
Supported Items	149797S	0.59	0.77
	221210S	0.60	0.76
	149785S	0.59	0.76
	221201S	0.64	0.72
	221260S	0.50	0.52
	179324S	0.61	0.76
	244282S	0.74	0.74
	244287S	0.58	0.75
	244308S	0.48	0.67
	179265S	0.50	0.70
Supported Items	179408S	0.56	0.73
	179231S	0.63	0.77
	149808S	0.50	0.71
	221360S	0.53	0.68
	149827S	0.40	0.57
	221344S	0.52	0.72
Independent Items	149811I	0.38	0.67
	179274I	0.22	0.46
	221204I	0.33	0.52
	221211I	0.46	0.68
	221264I	0.32	0.48
	179414I	0.37	0.58
	179326I	0.44	0.72
	179236I	0.35	0.59
	244310I	0.39	0.67
	244288I	0.53	0.74
	221374I	0.31	0.56
	149799I	0.39	0.62
	221349I	0.36	0.65
	244283I	0.64	0.74
	149791I	0.22	0.48
	149829I	0.30	0.55

Table H-10. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 4

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	179748P	0.92	0.60
	179754P	0.82	0.64
	244370P	0.89	0.65
	179736P	0.89	0.66
	244353P	0.93	0.60
	221221P	0.92	0.59
	179739P	0.92	0.62
	179751P	0.83	0.60
	150916P	0.86	0.61
	150878P	0.90	0.63
	244335P	0.93	0.58
	150791P	0.92	0.61
	221293P	0.85	0.62
	244358P	0.92	0.60
	98138P	0.92	0.60
	221258P	0.92	0.61
Supported Items	244337S	0.70	0.74
	179757S	0.57	0.72
	244372S	0.62	0.69
	221226S	0.68	0.77
	179740S	0.54	0.61
	244360S	0.66	0.78
	179752S	0.50	0.61
	179749S	0.74	0.74
	150921S	0.42	0.57
Supported Items	150885S	0.43	0.60
	221299S	0.53	0.70
	150800S	0.66	0.69
	98141S	0.69	0.72
	179737S	0.60	0.71
	244355S	0.71	0.75
	221262S	0.56	0.70
Independent Items	244362I	0.51	0.68
	244374I	0.35	0.59
	244356I	0.58	0.76
	221233I	0.50	0.59
	179741I	0.27	0.48
	179753I	0.31	0.56
	179750I	0.44	0.62
	179758I	0.29	0.52
	150804I	0.47	0.68
	150888I	0.15	0.38
	150925I	0.25	0.48
	221303I	0.21	0.45
	179738I	0.51	0.70
	244338I	0.58	0.74
	98142I	0.51	0.69
	221266I	0.39	0.62

Table H-11. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 5

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	149955P	0.88	0.62
	222770P	0.93	0.60
	244946P	0.92	0.62
	149911P	0.94	0.57
	245017P	0.93	0.61
	181739P	0.91	0.64
	149940P	0.93	0.62
	222825P	0.88	0.65
	181648P	0.90	0.65
	149948P	0.93	0.61
	181684P	0.93	0.61
	245006P	0.91	0.63
	222797P	0.91	0.64
	244951P	0.90	0.66
Participatory Items	181594P	0.90	0.65
	222758P	0.91	0.64
Supported Items	181745S	0.45	0.52
	222772S	0.63	0.72
	149951S	0.64	0.66
	245019S	0.52	0.53
	149942S	0.60	0.69
	244948S	0.73	0.73
	222835S	0.45	0.59
	181653S	0.64	0.72
	222799S	0.51	0.60
	181688S	0.61	0.60
	245008S	0.70	0.69
	149957S	0.56	0.65

continued

Item		Difficulty	Discrimination
Type	Number		
Supported Items	244953S	0.69	0.74
	149915S	0.73	0.71
	181605S	0.50	0.65
	222760S	0.64	0.72
Independent Items	149946I	0.31	0.50
	245021I	0.34	0.48
	149959I	0.35	0.53
	181752I	0.20	0.33
	222774I	0.48	0.69
	149916I	0.59	0.69
	222844I	0.20	0.40
	181657I	0.36	0.53
	245009I	0.46	0.62
	149953I	0.35	0.50
	181692I	0.40	0.55
	222822I	0.30	0.47
	244954I	0.55	0.71
	181616I	0.31	0.52
	222762I	0.43	0.62
	244949I	0.57	0.69

Table H-12. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 6

Item		Difficulty	Discrimination
Type	Number		
Participatory Items	245348P	0.90	0.61
	153628P	0.92	0.63
	182776P	0.90	0.67
	153693P	0.90	0.64
	153674P	0.89	0.65
	245322P	0.91	0.63
	245326P	0.88	0.67
	223295P	0.90	0.64
	153704P	0.90	0.66
	223365P	0.91	0.64
	223349P	0.84	0.66
	182815P	0.89	0.66
	245318P	0.90	0.65
	223273P	0.90	0.65
	182850P	0.91	0.63
	182742P	0.91	0.59
Supported Items	245350S	0.57	0.71
	182755S	0.46	0.42
	153631S	0.75	0.75
	182786S	0.67	0.74
	153696S	0.61	0.70
	245324S	0.61	0.75
	245328S	0.61	0.75
	223298S	0.53	0.62
	182859S	0.47	0.61
	203745S	0.54	0.69
	223353S	0.58	0.76
	182822S	0.67	0.71
	153677S	0.51	0.63
	245320S	0.64	0.75
	223276S	0.56	0.72
	223371S	0.65	0.77
Independent Items	245352I	0.43	0.68
	153633I	0.40	0.62
	182795I	0.25	0.44
	153699I	0.26	0.41
	153681I	0.35	0.56
	245325I	0.40	0.65
	245329I	0.37	0.62
	223304I	0.31	0.58
	203747I	0.21	0.44
	223359I	0.42	0.69
	182829I	0.32	0.48
	223375I	0.51	0.71
	182764I	0.15	0.36
	182867I	0.28	0.52
	245321I	0.48	0.71
	223279I	0.37	0.62

Table H-13. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 7

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	245624P	0.91	0.59
	223667P	0.91	0.56
	245670P	0.87	0.53
	223569P	0.89	0.62
	223576P	0.91	0.58
	245649P	0.93	0.55
	153837P	0.85	0.60
	183861P	0.88	0.65
	153781P	0.92	0.56
	183800P	0.90	0.60
	223683P	0.90	0.61
	183818P	0.91	0.61
	153804P	0.89	0.54
	245630P	0.91	0.56
	153763P	0.90	0.61
	183877P	0.89	0.54
Supported Items	245626S	0.57	0.71
	223671S	0.41	0.56
	245672S	0.38	0.59
	223571S	0.61	0.73
	223582S	0.71	0.66
	245651S	0.55	0.62
	183803S	0.43	0.53
	153839S	0.53	0.56
	153785S	0.49	0.62
Supported Items	183866S	0.67	0.70
	223690S	0.50	0.59
	183826S	0.71	0.69
	153807S	0.43	0.59
	245632S	0.49	0.62
	153765S	0.62	0.71
	183880S	0.56	0.69
Independent Items	245628I	0.39	0.65
	245676I	0.29	0.58
	223573I	0.50	0.71
	223588I	0.24	0.43
	245653I	0.36	0.57
	183808I	0.22	0.48
	153800I	0.33	0.60
	223676I	0.17	0.40
	183872I	0.31	0.56
	153841I	0.36	0.54
	223695I	0.28	0.51
	183832I	0.44	0.65
	153810I	0.23	0.50
	245634I	0.28	0.54
	153766I	0.40	0.63
	183884I	0.46	0.71

Table H-14. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 8

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	185786P	0.89	0.62
	245809P	0.84	0.59
	224990P	0.91	0.59
	154038P	0.90	0.59
	245786P	0.90	0.61
	185630P	0.93	0.58
	154046P	0.89	0.62
	153987P	0.90	0.60
	245798P	0.91	0.60
	224996P	0.91	0.61
	185819P	0.85	0.62
	224986P	0.92	0.58
	154021P	0.92	0.57
	225006P	0.88	0.59
Participatory Items	245792P	0.89	0.62
	154031P	0.87	0.56
Supported Items	185788S	0.54	0.68
	245811S	0.51	0.68
	224992S	0.60	0.71
	154040S	0.57	0.57
	245788S	0.51	0.71
	185633S	0.74	0.70
	154049S	0.37	0.53
	153990S	0.65	0.72
	245800S	0.44	0.61
	224998S	0.72	0.69
	185825S	0.47	0.61
	224988S	0.55	0.65

continued

Item		Difficulty	Discrimination
Type	Number		
Supported Items	154025S	0.60	0.67
	225008S	0.52	0.68
	245794S	0.58	0.68
	154033S	0.58	0.67
Independent Items	185794I	0.33	0.56
	245813I	0.36	0.61
	224994I	0.33	0.59
	154042I	0.28	0.52
	245789I	0.24	0.51
	185641I	0.45	0.59
	154052I	0.14	0.44
	153996I	0.54	0.71
	245802I	0.26	0.50
	225000I	0.47	0.55
	185828I	0.22	0.48
	224989I	0.35	0.59
	154027I	0.41	0.62
	225010I	0.26	0.52
	245796I	0.41	0.62
	154035I	0.33	0.53

Table H-15. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 9

Item		Difficulty	Discrimination
Type	Number		
Participatory Items	246694P	0.89	0.60
	153938P	0.89	0.57
	153932P	0.93	0.56
	225194P	0.92	0.56
	184054P	0.92	0.57
	246644P	0.87	0.63
	183973P	0.91	0.54
	98201P	0.92	0.56
	153905P	0.87	0.60
	225185P	0.90	0.60
	225181P	0.90	0.54
	246761P	0.89	0.60
	225212P	0.93	0.57
	184069P	0.93	0.58
	246785P	0.83	0.56
	183950P	0.90	0.62
Supported Items	246703S	0.48	0.66
	183962S	0.67	0.73
	153940S	0.33	0.45
	153934S	0.62	0.65
	225196S	0.52	0.66
	184059S	0.54	0.64
	246647S	0.48	0.68
	183982S	0.48	0.61
	98205S	0.47	0.57
	153909S	0.52	0.63
	225186S	0.62	0.71
	225183S	0.47	0.60
	246767S	0.45	0.61
	225214S	0.57	0.53
	184074S	0.65	0.69
	246789S	0.42	0.64
Independent Items	246710I	0.27	0.58
	183967I	0.34	0.50
	153942I	0.17	0.40
	153936I	0.38	0.58
	225198I	0.38	0.64
	184064I	0.36	0.59
	246649I	0.34	0.64
	183994I	0.22	0.48
	98209I	0.19	0.40
	153912I	0.14	0.34
	225187I	0.44	0.64
	225184I	0.32	0.63
	246769I	0.28	0.54
	225216I	0.26	0.45
	184077I	0.48	0.68
	246791I	0.17	0.42

Table H-16. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Reading Grade 10

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	225205P	0.90	0.62
	225117P	0.89	0.63
	225096P	0.90	0.61
	185697P	0.86	0.60
	185685P	0.88	0.66
	154082P	0.85	0.64
	154044P	0.90	0.64
	96792P	0.91	0.62
	246997P	0.88	0.67
	225149P	0.90	0.62
	246830P	0.91	0.61
	246813P	0.91	0.62
	246850P	0.89	0.66
	185705P	0.88	0.63
	185737P	0.90	0.64
	154105P	0.84	0.66
Supported Items	225207S	0.46	0.63
	225099S	0.56	0.64
	185699S	0.53	0.66
	185689S	0.59	0.69
	154055S	0.60	0.68
	96796S	0.66	0.74
	247002S	0.40	0.56
	225151S	0.54	0.69
	246838S	0.61	0.73
Supported Items	246818S	0.51	0.67
	246855S	0.53	0.70
	185712S	0.63	0.69
	185746S	0.50	0.60
	154109S	0.34	0.56
	154087S	0.54	0.68
	225119S	0.66	0.75
Independent Items	225209I	0.29	0.58
	225122I	0.48	0.62
	225105I	0.31	0.51
	185701I	0.36	0.61
	185693I	0.40	0.61
	154093I	0.35	0.62
	154058I	0.29	0.43
	96798I	0.34	0.50
	247008I	0.12	0.40
	225152I	0.39	0.65
	246844I	0.37	0.60
	246824I	0.25	0.50
	246865I	0.40	0.67
	185708I	0.34	0.56
	185754I	0.35	0.55
	154113I	0.08	0.33

Table H-17. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Science Grade 5

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	178775P	0.89	0.61
	220671P	0.92	0.57
	243643P	0.83	0.60
	178754P	0.92	0.61
	243754P	0.91	0.61
	178726P	0.81	0.63
	220769P	0.93	0.59
	148431P	0.92	0.61
	148530P	0.86	0.66
	148261P	0.90	0.60
	148452P	0.89	0.65
	243737P	0.92	0.61
	243705P	0.91	0.62
	220623P	0.88	0.66
Participatory Items	178781P	0.92	0.60
	220693P	0.91	0.62
Supported Items	178777S	0.54	0.68
	220676S	0.68	0.66
	243651S	0.36	0.57
	178760S	0.66	0.70
	243759S	0.63	0.76
	178729S	0.44	0.65
	220771S	0.74	0.75
	148435S	0.68	0.71
	148536S	0.59	0.72
	148267S	0.72	0.67
	148457S	0.37	0.49
	243742S	0.72	0.74

continued

Item		Difficulty	Discrimination
Type	Number		
Supported Items	243708S	0.61	0.64
	220632S	0.65	0.75
	178784S	0.71	0.75
	220699S	0.62	0.75
Independent Items	178779I	0.47	0.68
	220687I	0.52	0.68
	243654I	0.18	0.43
	178766I	0.34	0.62
	243761I	0.40	0.67
	178731I	0.18	0.47
	220776I	0.41	0.57

Item		Difficulty	Discrimination
Type	Number		
Independent Items	148445I	0.33	0.53
	148541I	0.43	0.67
	148275I	0.50	0.71
	148470I	0.18	0.42
	243745I	0.50	0.73
	243712I	0.28	0.53
	220637I	0.36	0.58
	178786I	0.51	0.65
	220702I	0.52	0.75

Table H-18. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Science Grade 8

Item		Difficulty	Discrimination
Type	Number		
Participatory Items	245078P	0.93	0.56
	180836P	0.89	0.65
	150055P	0.90	0.61
	150031P	0.85	0.66
	245062P	0.90	0.62
	222968P	0.91	0.63
	222907P	0.93	0.54
	150082P	0.91	0.60
	180767P	0.86	0.67
	222900P	0.90	0.62
	150018P	0.86	0.69
	245056P	0.92	0.58
	222934P	0.88	0.59
	180802P	0.88	0.62
	245073P	0.87	0.63
	180793P	0.79	0.49
Supported Items	245080S	0.64	0.68
	180838S	0.69	0.70
	150059S	0.49	0.56
	150033S	0.52	0.70
	245064S	0.61	0.71
	222972S	0.59	0.66
	222909S	0.62	0.63
	150084S	0.66	0.64
	180769S	0.52	0.64
	222902S	0.40	0.53

Item		Difficulty	Discrimination
Type	Number		
Supported Items	150022S	0.56	0.70
	245058S	0.46	0.57
	222940S	0.42	0.60
	180806S	0.58	0.74
	245075S	0.50	0.61
	180797S	0.39	0.62
Independent Items	245082I	0.37	0.56
	180840I	0.39	0.51
	150061I	0.26	0.47
	150035I	0.25	0.51
	245066I	0.52	0.69
	222977I	0.34	0.53
	222911I	0.29	0.43
	150086I	0.24	0.30
	180771I	0.40	0.62
	222905I	0.26	0.50
	150029I	0.28	0.56
	245060I	0.27	0.46
	222947I	0.16	0.42
	180809I	0.31	0.55
	245077I	0.22	0.46
	180799I	0.30	0.59

Table H-19. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Science Grade 11

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	245877P	0.88	0.70
	99035P	0.92	0.63
	98975P	0.88	0.69
	99003P	0.91	0.64
	245916P	0.92	0.63
	150849P	0.93	0.59
	183593P	0.88	0.64
	224539P	0.89	0.68
	224592P	0.92	0.61
	183564P	0.87	0.69
	183629P	0.91	0.64
	183684P	0.91	0.61
	245928P	0.91	0.64
	224575P	0.93	0.59
	183608P	0.92	0.62
	224615P	0.93	0.60
Supported Items	99037S	0.49	0.57
	98979S	0.64	0.72
	99005S	0.68	0.74
	245918S	0.47	0.60
	150857S	0.71	0.67
	183599S	0.48	0.61
	224550S	0.49	0.59
	224599S	0.76	0.68
	183634S	0.46	0.52
Supported Items	183686S	0.68	0.69
	246478S	0.46	0.61
	224580S	0.55	0.57
	183611S	0.32	0.34
	245881S	0.48	0.58
	183580S	0.67	0.73
	224617S	0.64	0.70
Independent Items	245882I	0.29	0.53
	99039I	0.25	0.42
	98983I	0.29	0.39
	99007I	0.54	0.73
	245920I	0.26	0.52
	150859I	0.36	0.52
	183602I	0.29	0.53
	224558I	0.25	0.43
	224606I	0.48	0.62
	183584I	0.40	0.61
	183638I	0.34	0.55
	183691I	0.53	0.66
	245932I	0.26	0.50
	224583I	0.29	0.46
	183617I	0.20	0.32
	224621I	0.51	0.68

Table H-20. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Writing Grade 4

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	222502P	0.88	0.63
	244883P	0.91	0.60
	244895P	0.90	0.61
	179526P	0.92	0.54
	222587P	0.88	0.64
	179542P	0.88	0.62
	244889P	0.86	0.64
	150146P	0.90	0.60
	244864P	0.89	0.64
	150245P	0.89	0.59
	222637P	0.87	0.64
	150252P	0.89	0.62
	179547P	0.91	0.60
	179520P	0.89	0.63
Participatory Items	150207P	0.89	0.61
	222516P	0.92	0.57
Supported Items	222504S	0.55	0.72
	244885S	0.51	0.67
	244897S	0.56	0.68
	179528S	0.34	0.48
	222597S	0.62	0.72
	179543S	0.60	0.75
	244891S	0.50	0.72
	150148S	0.57	0.71
	244867S	0.40	0.60
	150247S	0.55	0.74
	222642S	0.59	0.72
	150254S	0.48	0.65

continued

Item		Difficulty	Discrimination
Type	*Number*		
Supported Items	179550S	0.66	0.73
	179523S	0.66	0.72
	150210S	0.47	0.73
	222571S	0.55	0.67
Independent Items	222511I	0.44	0.70
	244887I	0.15	0.46
	244899I	0.24	0.54
	179529I	0.23	0.49
	222748I	0.37	0.64
	179545I	0.38	0.71
	244893I	0.19	0.49
	150159I	0.38	0.66
	244869I	0.22	0.48
	150249I	0.28	0.58
	222744I	0.20	0.55
	156498I	0.17	0.50
	179551I	0.36	0.59
	179524I	0.23	0.36
	150219I	0.33	0.66
	222581I	0.32	0.60

Table H-21. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Writing Grade 8

Item		Difficulty	Discrimination
Type	*Number*		
Participatory Items	245182P	0.88	0.64
	223477P	0.91	0.63
	150313P	0.92	0.59
	223431P	0.91	0.64
	245293P	0.92	0.64
	179881P	0.91	0.64
	179898P	0.92	0.59
	245192P	0.91	0.62
	150323P	0.92	0.62
	150334P	0.91	0.63
	223445P	0.92	0.60
	179806P	0.93	0.57
	245198P	0.90	0.64
	179822P	0.92	0.61
	223449P	0.87	0.67
	150287P	0.90	0.64
Supported Items	245184S	0.56	0.64
	223481S	0.66	0.73
	150315S	0.63	0.76
	223435S	0.52	0.65
	245295S	0.65	0.70
	179887S	0.63	0.78
	179903S	0.54	0.67
	245194S	0.52	0.61
	150327S	0.60	0.72
	150345S	0.60	0.77
	223447S	0.43	0.64
	179811S	0.75	0.71
	245200S	0.68	0.76
	179835S	0.55	0.59
	223451S	0.58	0.71
	150291S	0.63	0.75
Independent Items	245186I	0.33	0.55
	223485I	0.41	0.67
	150317I	0.51	0.74
	223439I	0.18	0.44
	245297I	0.50	0.68
	179892I	0.39	0.64
	179909I	0.42	0.67
	245196I	0.40	0.66
	150331I	0.41	0.67
	150349I	0.53	0.76
	223448I	0.26	0.54
	179816I	0.52	0.71
	245280I	0.48	0.70
	179837I	0.44	0.65
	223452I	0.34	0.55
	150293I	0.51	0.74

Table H-22. 2013–14 Florida Alternate Assessment: Item-Level Classical Test Theory Statistics—Writing Grade 10

Item Type	Item Number	Difficulty	Discrimination
Participatory Items	245619P	0.90	0.64
	223762P	0.87	0.65
	182116P	0.90	0.65
	151183P	0.90	0.63
	245607P	0.88	0.63
	223664P	0.92	0.59
	223714P	0.90	0.63
	98823P	0.89	0.59
	151117P	0.92	0.58
	245614P	0.89	0.65
	151209P	0.88	0.67
	182181P	0.91	0.60
	224009P	0.89	0.63
	182099P	0.91	0.61
	182088P	0.92	0.59
	245590P	0.90	0.63
Supported Items	245621S	0.51	0.73
	223967S	0.50	0.68
	182125S	0.58	0.71
	151191S	0.59	0.74
	245609S	0.44	0.70
	223669S	0.53	0.60
	223719S	0.38	0.60
	98825S	0.55	0.67
	151121S	0.53	0.63
Supported Items	245616S	0.55	0.71
	151222S	0.60	0.73
	182183S	0.54	0.66
	224014S	0.44	0.58
	182104S	0.59	0.69
	182090S	0.60	0.71
	245592S	0.60	0.74
Independent Items	245623I	0.19	0.51
	223971I	0.16	0.45
	200302I	0.38	0.59
	151195I	0.41	0.65
	245611I	0.29	0.62
	223693I	0.32	0.59
	223747I	0.19	0.47
	98827I	0.25	0.52
	151123I	0.32	0.55
	245618I	0.37	0.68
	151235I	0.42	0.65
	182185I	0.28	0.55
	224015I	0.16	0.47
	200266I	0.29	0.48
	182095I	0.40	0.63
	245594I	0.26	0.55

APPENDIX I—ITEM-LEVEL SCORE DISTRIBUTIONS

Table I-1. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 3

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
245964P	3	1.75	14.73	10.12	73.40
179132P	3	2.44	24.12	12.44	61.00
179047P	3	1.90	13.62	16.25	68.23
224807P	3	2.09	19.10	12.48	66.32
224758P	3	1.90	19.60	14.42	64.08
179019P	3	2.13	14.95	8.41	74.51
179138P	3	1.79	11.26	15.26	71.69
179063P	3	1.94	11.00	7.84	79.22
179106P	3	1.71	9.82	12.82	75.65
150702P	3	1.90	13.32	19.52	65.26
245940P	3	2.05	16.48	8.83	72.64
245958P	3	1.83	9.47	12.67	76.03
224730P	3	1.98	9.25	10.54	78.23
150631P	3	2.02	16.21	9.40	72.37
224746P	3	1.83	12.10	7.08	79.00
245982P	3	2.05	12.29	7.84	77.82

Table I-2. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 4

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
183266P	3	1.48	16.61	15.66	66.25
223453P	3	1.33	11.26	8.91	78.5
151589P	3	1.55	15.70	12.51	70.23
245486P	3	1.33	11.07	8.49	79.11
245448P	3	1.44	11.07	7.77	79.71
183192P	3	1.14	10.05	7.81	81.00
245502P	3	0.99	17.67	15.74	65.60
183315P	3	1.06	10.16	8.76	80.02
151617P	3	1.10	10.96	6.94	81.00
245442P	3	1.25	8.19	9.56	81.00
183163P	3	1.10	7.39	9.97	81.53
223551P	3	1.29	17.94	15.09	65.68
223562P	3	1.25	12.29	9.75	76.72
151599P	3	1.18	9.14	14.68	75.01
223540P	3	1.52	15.05	8.65	74.78
183334P	3	1.37	23.36	17.97	57.30

Table I-3. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 5

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
154192P	3	1.25	7.96	12.68	78.11
224905P	3	1.32	10.04	9.07	79.57
224962P	3	1.36	10.82	8.89	78.93
184685P	3	1.14	8.50	11.54	78.82
184713P	3	1.50	19.89	14.46	64.14
246032P	3	1.11	7.32	12.32	79.25
224944P	3	1.25	6.21	8.71	83.82
184637P	3	1.11	16.68	9.50	72.71
246017P	3	1.32	19.11	16.04	63.54
184659P	3	1.07	14.04	8.61	76.29
154186P	3	1.18	13.64	11.25	73.93
246023P	3	1.18	9.96	7.18	81.68
246005P	3	1.54	11.79	8.14	78.54
154173P	3	1.32	10.21	23.89	64.57
184571P	3	1.36	15.00	12.25	71.39
184542P	3	1.46	7.86	10.68	80.00

Table I-4. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 6

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
180092P	3	1.58	20.38	15.43	62.61
222591P	3	1.43	18.70	12.43	67.45
151700P	3	1.36	17.19	24.67	56.78
151726P	3	1.61	13.71	12.46	72.21
222615P	3	1.43	19.06	11.62	67.89
180116P	3	1.39	9.49	10.85	78.26
244481P	3	1.06	11.73	7.48	79.73
180104P	3	1.43	10.01	15.65	72.91
180133P	3	1.36	17.30	11.55	69.79
151765P	3	1.17	9.35	11.51	77.97
244487P	3	1.54	16.83	17.78	63.86
244466P	3	1.28	15.87	11.84	71.00
180127P	3	1.25	11.84	8.72	78.19
180098P	3	1.32	12.39	8.61	77.68
151706P	3	1.65	20.42	14.66	63.27
244451P	3	1.14	8.72	11.91	78.23

Table I-5. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 7

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
221493P	3	1.17	10.03	8.33	80.47
184768P	3	1.06	12.09	10.92	75.93
184750P	3	1.13	14.29	13.58	71.00
184944P	3	1.10	8.08	6.03	84.79
221447P	3	1.17	7.66	11.56	79.62
184787P	3	1.13	11.38	6.52	80.96
184822P	3	1.13	10.60	10.46	77.81
244074P	3	1.10	9.57	7.09	82.24
244099P	3	0.96	10.53	9.36	79.16
244063P	3	1.24	11.20	12.16	75.40
221479P	3	1.38	8.72	24.46	65.44
184734P	3	1.10	16.63	10.67	71.61
152889P	3	1.17	19.25	13.65	65.93
152977P	3	1.21	8.79	6.98	83.02
221540P	3	0.92	7.16	5.64	86.28
244127P	3	1.03	6.45	12.16	80.36

Table I-6. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 8

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
179102P	3	0.95	9.60	10.31	79.14
179091P	3	1.02	9.67	10.66	78.64
244153P	3	1.20	6.46	13.94	78.40
150597P	3	1.20	13.66	25.13	60.01
179119P	3	0.92	6.25	5.33	87.50
244182P	3	1.16	7.17	16.24	75.43
221473P	3	0.81	8.61	19.52	71.06
221495P	3	1.02	6.92	13.34	78.72
150467P	3	0.85	7.17	5.72	86.27
179065P	3	0.85	7.91	15.67	75.57
221481P	3	0.92	9.32	8.22	81.54
221575P	3	1.09	11.75	12.39	74.76
244164P	3	0.85	8.37	14.65	76.14
244188P	3	1.09	7.91	5.79	85.21
179076P	3	0.85	7.06	4.48	87.61
179113P	3	1.24	9.04	23.72	66.01

Table I-7. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 9

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
244542P	3	0.74	10.99	9.32	78.94
222018P	3	0.92	13.68	11.91	73.48
244644P	3	0.64	11.06	9.25	79.05
152971P	3	0.78	13.68	12.05	73.48
180191P	3	0.89	18.22	14.32	66.57
221916P	3	0.96	6.95	11.56	80.54
222045P	3	0.85	9.68	6.56	82.91
221949P	3	1.63	13.12	21.13	64.13
180252P	3	0.71	13.40	8.54	77.35
180292P	3	0.50	8.79	7.69	83.02
244663P	3	0.57	11.06	17.72	70.65
153002P	3	0.82	9.46	14.43	75.29
180265P	3	1.31	17.33	13.12	68.24
244616P	3	0.71	8.37	7.13	83.80
180184P	3	0.92	8.72	7.98	82.38
180162P	3	0.85	8.65	17.80	72.70

Table I-8. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Mathematics Grade 10

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
223355P	3	1.57	17.51	14.74	66.18
154304P	3	1.39	13.39	8.59	76.64
183574P	3	1.57	10.65	7.31	80.46
223373P	3	1.46	7.24	9.90	81.40
154256P	3	1.42	12.52	12.56	73.49
245424P	3	1.50	8.02	5.47	85.00
245413P	3	1.31	11.44	16.09	71.17
223258P	3	1.69	11.21	14.7	72.40
223275P	3	1.27	11.21	9.00	78.52
183603P	3	1.69	15.56	13.65	69.10
245418P	3	1.12	17.66	12.00	69.22
183457P	3	1.57	9.07	8.32	81.03
183443P	3	1.20	9.82	15.15	73.83
183511P	3	1.35	12.71	7.87	78.07
223301P	3	1.35	13.05	17.62	67.98
183429P	3	1.31	14.74	9.15	74.80

Table I-9. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 3

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
179263P	3	1.63	13.33	7.48	77.55
179229P	3	1.79	13.82	10.71	73.68
179389P	3	1.67	10.94	14.20	73.19
221355P	3	2.05	13.98	9.15	74.82
244306P	3	1.82	16.52	10.79	70.87
221207P	3	1.67	15.00	11.81	71.52
149823P	3	1.63	10.52	13.60	74.25
244280P	3	1.41	8.36	5.36	84.88
221255P	3	1.82	11.43	5.66	81.09
221180P	3	1.52	7.60	8.47	82.42
149781P	3	1.41	6.87	8.93	82.80
179322P	3	1.71	13.79	9.04	75.47
149803P	3	1.71	18.08	15.08	65.13
221327P	3	2.09	15.53	14.47	67.91
149794P	3	1.52	8.85	8.28	81.35
244285P	3	1.60	15.61	11.32	71.48

Table I-10. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 4

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
150916P	3	1.17	13.51	11.96	73.36
221293P	3	0.98	13.81	13.24	71.96
150791P	3	0.98	8.21	5.22	85.58
150878P	3	0.98	10.25	6.73	82.03
98138P	3	0.95	7.83	4.77	86.45
221221P	3	0.76	8.13	6.32	84.79
221258P	3	0.98	6.89	8.51	83.62
244353P	3	1.02	7.00	4.92	87.06
244335P	3	0.91	6.09	6.73	86.27
179739P	3	0.68	8.17	5.79	85.36
244358P	3	0.95	6.89	5.98	86.19
179736P	3	0.87	11.05	7.64	80.44
179754P	3	0.87	17.63	16.08	65.42
244370P	3	0.72	12.07	7.49	79.72
179748P	3	0.64	7.79	6.09	85.47
179751P	3	0.72	15.32	16.76	67.20

Table I-11. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 5

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
181684P	3	1.00	6.83	5.33	86.83
149940P	3	0.86	7.23	5.22	86.69
222770P	3	0.82	6.91	5.47	86.8
149911P	3	0.82	6.37	3.94	88.87
244951P	3	1.11	9.45	7.76	81.68
149948P	3	1.00	5.90	6.98	86.12
149955P	3	1.40	9.02	14.35	75.24
245017P	3	1.00	5.72	7.26	86.01
222825P	3	1.14	10.95	9.55	78.35
244946P	3	1.18	7.48	5.69	85.65
181739P	3	1.22	8.30	8.12	82.36
181648P	3	1.25	7.73	10.63	80.39
222797P	3	1.14	7.05	9.16	82.65
222758P	3	1.22	8.55	5.83	84.40
181594P	3	1.14	9.55	6.91	82.40
245006P	3	1.11	7.66	7.01	84.22

Table I-12. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 6

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
153693P	3	1.21	10.19	5.57	83.03
182776P	3	0.95	10.85	6.89	81.31
153674P	3	1.14	9.49	10.74	78.64
245322P	3	1.14	9.38	6.01	83.47
245326P	3	1.06	11.80	9.31	77.83
223295P	3	1.17	9.97	6.67	82.19
153704P	3	1.03	10.33	7.37	81.28
182815P	3	1.03	11.80	7.77	79.41
182850P	3	1.28	7.15	9.09	82.48
223365P	3	1.14	8.06	8.87	81.93
223273P	3	1.14	7.91	10.04	80.91
182742P	3	0.95	8.54	6.30	84.21
245318P	3	1.06	10.26	6.45	82.23
223349P	3	0.99	14.88	13.81	70.32
153628P	3	0.84	6.74	8.28	84.13
245348P	3	0.88	9.67	6.52	82.92

Table I-13. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 7

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
153781P	3	1.10	7.30	5.63	85.97
183861P	3	1.13	12.50	8.36	78.00
153837P	3	1.10	14.13	12.82	71.94
183800P	3	1.13	6.94	12.47	79.45
245670P	3	1.06	11.09	13.25	74.60
223576P	3	1.06	8.18	7.86	82.89
183877P	3	0.89	7.69	13.57	77.86
223569P	3	1.24	10.45	9.56	78.75
223683P	3	1.17	6.91	11.26	80.66
245649P	3	0.92	5.46	6.77	86.86
183818P	3	0.85	6.41	12.86	79.88
153763P	3	1.03	9.21	8.32	81.44
153804P	3	1.10	8.93	11.37	78.60
245624P	3	0.92	9.21	6.13	83.74
223667P	3	1.10	8.36	6.52	84.02
245630P	3	1.31	6.23	10.84	81.62

Table I-14. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 8

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
153987P	3	1.13	9.65	8.49	80.73
154046P	3	1.13	7.47	13.95	77.45
224990P	3	1.06	8.74	7.12	83.09
154038P	3	1.34	8.39	8.10	82.17
154021P	3	0.78	6.10	10.64	82.49
154031P	3	1.02	11.38	13.00	74.59
224996P	3	0.95	6.24	11.31	81.50
185819P	3	1.13	10.71	19.59	68.57
225006P	3	1.23	10.64	11.17	76.96
224986P	3	1.02	6.10	9.34	83.54
185786P	3	1.30	9.69	10.29	78.72
245792P	3	0.95	10.89	7.19	80.97
245786P	3	0.81	8.81	9.80	80.58
245809P	3	1.23	15.86	13.04	69.87
245798P	3	1.09	6.34	12.37	80.20
185630P	3	0.81	6.27	7.33	85.59

Table I-15. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 9

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
153905P	3	0.60	13.39	11.26	74.74
225185P	3	0.85	9.95	8.13	81.07
246785P	3	0.75	16.48	14.74	68.03
225212P	3	0.64	5.93	7.64	85.79
225181P	3	0.67	9.24	8.38	81.71
246694P	3	0.85	10.73	9.95	78.47
184069P	3	0.46	5.61	9.84	84.09
225194P	3	0.67	7.71	6.71	84.90
183950P	3	0.78	8.88	11.05	79.29
184054P	3	0.75	6.18	10.80	82.27
246761P	3	0.85	9.59	11.23	78.33
98201P	3	0.85	6.04	8.49	84.62
183973P	3	0.82	6.36	11.05	81.78
153938P	3	0.78	9.66	10.66	78.90
246644P	3	0.89	12.50	10.02	76.59
153932P	3	0.82	5.22	8.31	85.65

Table I-16. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Reading Grade 10

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
154044P	3	1.24	7.93	11.16	79.67
154082P	3	1.39	10.64	20.48	67.49
185685P	3	1.35	9.13	12.81	76.70
246997P	3	1.20	11.31	8.64	78.84
96792P	3	1.35	8.91	5.79	83.95
246830P	3	1.09	9.06	6.84	83.01
185705P	3	1.05	11.35	9.17	78.43
225149P	3	1.13	8.94	7.82	82.11
246813P	3	1.13	9.88	5.34	83.65
225205P	3	1.20	10.15	5.15	83.50
185737P	3	0.79	8.23	10.82	80.16
225096P	3	0.83	9.43	7.33	82.41
185697P	3	1.20	10.18	18.79	69.82
225117P	3	1.28	9.73	10.00	78.99
246850P	3	1.20	11.46	7.44	79.89
154105P	3	1.28	11.09	20.67	66.97

Table I-17. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Science Grade 5

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
220769P	3	0.90	5.93	6.80	86.37
243643P	3	1.08	16.35	14.43	68.14
243705P	3	1.37	9.08	4.81	84.74
148261P	3	1.19	9.44	8.50	80.87
220693P	3	1.16	8.68	7.20	82.97
148452P	3	1.34	7.59	14.76	76.31
220623P	3	1.27	11.75	9.62	77.36
243737P	3	1.01	7.34	7.09	84.56
178775P	3	0.94	9.33	11.36	78.37
178781P	3	0.72	6.15	9.69	83.44
220671P	3	1.16	5.32	8.50	85.03
178754P	3	1.08	6.37	7.92	84.63
148530P	3	1.30	12.91	12.15	73.63
148431P	3	1.30	7.92	5.64	85.14
243754P	3	1.12	8.68	6.11	84.09
178726P	3	1.30	15.15	21.63	61.92

Table I-18. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Science Grade 8

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
180767P	3	1.21	13.24	11.15	74.41
222968P	3	1.24	5.96	11.29	81.51
245062P	3	1.06	6.99	14.20	77.74
150055P	3	1.28	9.34	6.57	82.82
150031P	3	1.17	14.41	13.13	71.28
222934P	3	0.82	11.5	10.12	77.56
150082P	3	1.06	8.38	6.18	84.38
180793P	3	0.99	14.34	32.2	52.47
222900P	3	1.10	7.88	12.35	78.67
150018P	3	1.17	10.05	17.32	71.46
180802P	3	1.06	11.22	11.64	76.07
245056P	3	0.96	7.67	6.00	85.37
245078P	3	0.92	6.74	5.40	86.94
245073P	3	0.85	12.25	12.89	74.01
222907P	3	1.03	6.60	4.26	88.11
180836P	3	1.06	10.19	8.34	80.40

Table I-19. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Science Grade 11

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
224592P	3	0.88	8.22	5.50	85.40
245928P	3	1.07	9.21	5.35	84.37
183564P	3	1.07	11.01	12.31	75.61
183629P	3	0.99	8.83	6.27	83.91
183593P	3	1.15	11.74	10.24	76.87
150849P	3	0.99	5.20	7.11	86.70
224575P	3	0.69	7.00	6.00	86.31
224615P	3	0.88	6.08	6.77	86.28
245877P	3	0.96	11.81	8.87	78.36
183608P	3	0.84	8.10	5.58	85.47
183684P	3	0.88	6.15	12.77	80.20
245916P	3	0.73	8.10	5.58	85.59
99003P	3	0.96	7.76	8.72	82.57
99035P	3	1.11	6.27	9.21	83.41
98975P	3	1.07	11.77	9.71	77.45
224539P	3	0.88	11.01	9.67	78.44

Table I-20. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Writing Grade 4

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
244864P	3	1.22	10.40	9.56	78.82
179542P	3	1.10	9.90	13.33	75.66
150146P	3	1.03	9.87	7.31	81.79
222587P	3	1.03	11.20	9.33	78.44
244889P	3	1.10	13.71	12.46	72.72
179547P	3	0.76	8.88	7.73	82.63
150245P	3	0.88	10.40	10.44	78.29
244895P	3	0.95	9.45	8.61	80.99
222637P	3	1.07	11.85	11.54	75.54
222516P	3	0.99	6.36	8.84	83.81
179520P	3	0.95	8.95	11.85	78.25
150252P	3	1.03	10.59	7.85	80.53
179526P	3	0.91	7.28	6.86	84.95
222502P	3	0.99	10.86	11.39	76.76
150207P	3	0.95	10.78	8.34	79.92
244883P	3	0.95	8.65	8.08	82.32

Table I-21. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Writing Grade 8

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
245198P	3	1.07	6.76	13.05	79.13
150287P	3	0.89	8.36	11.20	79.55
150334P	3	1.14	8.82	6.61	83.43
223445P	3	0.82	7.43	6.61	85.14
179822P	3	0.85	8.14	6.51	84.50
179806P	3	1.00	6.19	5.26	87.55
245182P	3	0.89	10.63	10.92	77.56
223449P	3	1.03	12.13	10.95	75.89
179898P	3	1.14	6.97	5.90	85.99
223477P	3	1.07	8.71	7.72	82.50
245192P	3	1.21	8.32	6.44	84.03
179881P	3	1.03	7.82	9.53	81.61
245293P	3	0.96	6.61	9.21	83.21
150313P	3	1.14	7.40	4.66	86.81
150323P	3	1.07	7.54	6.93	84.46
223431P	3	1.17	6.83	9.28	82.72

Table I-22. 2013–14 Florida Alternate Assessment: Item-Level Score Distributions for Constructed Response Items—Writing Grade 10

Item Number	*Total Possible Points*	*Percent of Students at Score Point*			
		0	*1*	*2*	*3*
151117P	3	1.36	7.16	4.85	86.62
223664P	3	1.52	6.56	5.65	86.28
245607P	3	1.44	10.80	10.57	77.19
182116P	3	1.29	9.62	6.90	82.19
151183P	3	1.63	9.06	6.93	82.38
245614P	3	1.59	9.85	8.07	80.49
182099P	3	1.33	7.73	6.59	84.35
151209P	3	1.48	11.10	10.08	77.34
182181P	3	1.29	8.15	6.18	84.39
98823P	3	1.71	9.06	9.62	79.61
223714P	3	1.44	9.32	7.39	81.85
182088P	3	1.44	7.43	5.53	85.60
245619P	3	1.52	8.00	10.23	80.26
223762P	3	1.55	11.03	10.88	76.54
245590P	3	1.52	8.15	8.75	81.58
224009P	3	1.55	9.17	10.23	79.05

APPENDIX J—DIFFERENTIAL ITEM FUNCTIONING RESULTS

Table J-1. 2013–14 Florida Alternate Assessment: Number of Items Classified as "Low" or "High" DIF Overall and by Group Favored—Mathematics

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
3	Male	Female	P	16	0	0	0	0	0	0
			S	16	2	0	2	0	0	0
			I	16	2	1	1	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	3	0	3	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	1	1	0	0	0	0
4	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	2	1	1	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	3	2	1	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
5	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	2	1	1	0	0	0
			I	16	2	1	1	0	0	0
6	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	1	1	0	0	0	0
			S	16	2	2	0	0	0	0
			I	16	0	0	0	0	0	0
7	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
7	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	0	1	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	5	3	2	1	0	1
			I	16	3	2	1	0	0	0
8	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	2	1	1	0	0	0
			I	16	3	1	2	0	0	0
9	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
9	White	Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	6	4	2	1	0	1
			I	16	3	1	2	0	0	0
10	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	3	2	1	0	0	0
			I	16	2	0	2	0	0	0

P = Participatory Items; S = Supported Items; I = Independent Items.
Minimum N is 200

Table J-2. 2013–14 Florida Alternate Assessment: Number of Items Classified as "Low" or "High" DIF Overall and by Group Favored—Reading

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
3	Male	Female	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	0	1	0	0	0
4	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	0	1	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
5	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Hispanic	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	1	1	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	3	1	2	0	0	0
			I	16	1	1	0	0	0	0
6	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	3	1	2	0	0	0
			I	16	0	0	0	1	1	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	1	1	0	0	0	0
7	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
7	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	2	1	1	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	2	1	1	0	0	0
			I	16	2	1	1	0	0	0
8	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	2	2	0	0	0	0
			I	16	2	0	2	0	0	0
9	Male	Female	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	0	1	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
9	White	Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	7	4	3	0	0	0
			I	16	3	1	2	1	0	1
10	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	2	2	0	1	1	0

P = Participatory Items; S = Supported Items; I = Independent Items.
Minimum N is 200

Table J-3. 2013–14 Florida Alternate Assessment: Number of Items Classified as "Low" or "High" DIF Overall and by Group Favored—Science

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
5	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	2	0	2	0	0	0
8	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	5	1	4	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
11	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	1	0	1	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

P = Participatory Items; S = Supported Items; I = Independent Items.
Minimum N is 200

Table J-4. 2013–14 Florida Alternate Assessment: Number of Items Classified as "Low" or "High" DIF Overall and by Group Favored—Writing

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
4	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
4	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	1	1	0	0	0	0
8	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	1	1	0	0	0	0
			I	16	1	1	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	2	1	1	0	0	0
			I	16	1	1	0	0	0	0
10	Male	Female	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	White	Black	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
		Hispanic	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0
	Not Economically Disadvantaged	Economically Disadvantaged	P	16	0	0	0	0	0	0
			S	16	0	0	0	0	0	0
			I	16	0	0	0	0	0	0

continued

Grade	Group		Item Type	Number of Items	Number "Low"			Number "High"		
	Reference	Focal			Total	Favoring		Total	Favoring	
						Reference	Focal		Reference	Focal
10	Non Limited English Proficient	Limited English Proficient	P	16	0	0	0	0	0	0
			S	16	4	2	2	0	0	0
			I	16	5	3	2	1	0	1

P = Participatory Items; S = Supported Items; I = Independent Items.
Minimum N is 200

APPENDIX K—SUBGROUP RELIABILITY

Table K-1. 2013–14 Florida Alternate Assessment: Subgroup Reliabilities—Mathematics

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
3	All Students	2628	144	78.95	37.20	0.95	7.98
	Male	1135	144	77.32	37.00	0.95	8.00
	Female	516	144	73.63	38.16	0.96	7.76
	Asian	35	144	64.46	34.21	0.95	7.64
	Pacific Islander	3	144				
	Black non Hispanic	489	144	79.72	36.85	0.95	7.96
	Hispanic	581	144	75.06	37.82	0.96	7.92
	American Indian or Alaskan Native	10	144	89.30	30.36	0.92	8.85
	Multiracial	46	144	79.70	34.36	0.94	8.36
	White non-Hispanic	487	144	74.19	37.87	0.96	7.84
	Economically Disadvantaged	965	144	78.63	37.08	0.95	8.00
	Not Economically Disadvantaged	1663	144	79.14	37.29	0.95	7.97
	Limited English Proficient	293	144	81.53	35.64	0.95	8.05
	Non Limited English Proficient	2335	144	78.63	37.39	0.95	7.97
4	All Students	2637	144	76.95	33.35	0.94	8.10
	Male	1441	144	76.09	33.65	0.94	8.06
	Female	705	144	74.19	33.43	0.94	8.01
	Asian	38	144	74.84	33.24	0.94	8.11
	Pacific Islander	4	144				
	Black non Hispanic	627	144	80.66	33.31	0.94	8.12
	Hispanic	644	144	73.17	33.53	0.94	7.97
	American Indian or Alaskan Native	9	144				
	Multiracial	75	144	75.49	34.05	0.94	8.03
	White non-Hispanic	749	144	72.87	33.32	0.94	8.05
	Economically Disadvantaged	1237	144	79.24	32.79	0.94	8.21
	Not Economically Disadvantaged	1400	144	74.94	33.72	0.94	7.99
	Limited English Proficient	281	144	82.28	30.63	0.93	8.28
	Non Limited English Proficient	2356	144	76.32	33.61	0.94	8.07
5	All Students	2800	144	81.84	36.46	0.95	7.97
	Male	1584	144	81.63	36.72	0.95	7.93
	Female	773	144	79.57	35.96	0.95	7.95
	Asian	64	144	73.52	39.52	0.96	7.40
	Pacific Islander	3	144				
	Black non Hispanic	720	144	85.31	35.38	0.95	8.04
	Hispanic	655	144	79.81	37.71	0.96	7.84
	American Indian or Alaskan Native	4	144				
	Multiracial	82	144	82.95	36.09	0.95	7.90
	White non-Hispanic	829	144	78.39	35.97	0.95	7.95
	Economically Disadvantaged	1357	144	82.74	36.34	0.95	7.99
	Not Economically Disadvantaged	1443	144	81.00	36.57	0.95	7.95
	Limited English Proficient	219	144	94.79	34.83	0.95	7.87
	Non Limited English Proficient	2581	144	80.74	36.39	0.95	7.98
6	All Students	2728	144	76.37	35.09	0.95	8.22
	Male	1529	144	75.99	35.08	0.94	8.23
	Female	763	144	72.15	34.13	0.94	8.19

continued

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
6	Asian	49	144	71.49	33.46	0.94	8.29
	Pacific Islander	2	144				
	Black non Hispanic	701	144	79.54	34.46	0.94	8.35
	Hispanic	653	144	71.57	35.42	0.95	8.09
	American Indian or Alaskan Native	9	144				
	Multiracial	79	144	72.16	33.10	0.94	8.19
	White non-Hispanic	799	144	73.34	34.50	0.94	8.21
	Economically Disadvantaged	1409	144	76.66	34.82	0.94	8.26
	Not Economically Disadvantaged	1319	144	76.06	35.38	0.95	8.18
	Limited English Proficient	165	144	80.77	36.56	0.95	8.06
	Non Limited English Proficient	2563	144	76.09	34.98	0.94	8.23
7	All Students	2821	144	80.33	33.64	0.94	8.49
	Male	1624	144	80.64	33.62	0.94	8.50
	Female	802	144	76.14	33.42	0.94	8.38
	Asian	53	144	69.17	31.37	0.93	8.39
	Pacific Islander	1	144				
	Black non Hispanic	752	144	82.40	32.68	0.93	8.56
	Hispanic	653	144	76.41	34.29	0.94	8.30
	American Indian or Alaskan Native	8	144				
	Multiracial	57	144	80.47	32.85	0.94	8.35
	White non-Hispanic	902	144	79.06	33.74	0.94	8.51
	Economically Disadvantaged	1467	144	82.23	33.21	0.93	8.52
	Not Economically Disadvantaged	1354	144	78.28	34.00	0.94	8.45
	Limited English Proficient	127	144	87.54	28.89	0.91	8.81
	Non Limited English Proficient	2694	144	79.99	33.81	0.94	8.47
8	All Students	2833	144	79.80	32.04	0.94	8.06
	Male	1611	144	81.09	32.27	0.94	8.01
	Female	883	144	75.92	31.87	0.94	8.08
	Asian	48	144	71.85	29.10	0.92	7.99
	Pacific Islander	1	144				
	Black non Hispanic	776	144	79.95	32.35	0.94	8.03
	Hispanic	663	144	77.19	32.37	0.94	8.02
	American Indian or Alaskan Native	9	144				
	Multiracial	73	144	82.56	31.37	0.93	8.06
	White non-Hispanic	924	144	80.28	32.17	0.94	8.05
	Economically Disadvantaged	1535	144	81.99	31.77	0.94	8.06
	Not Economically Disadvantaged	1298	144	77.22	32.18	0.94	8.05
	Limited English Proficient	135	144	84.05	29.77	0.92	8.25
	Non Limited English Proficient	2698	144	79.59	32.14	0.94	8.05
9	All Students	2821	144	79.75	35.20	0.95	8.22
	Male	1587	144	80.32	35.31	0.95	8.20
	Female	793	144	73.68	33.93	0.94	8.25
	Asian	57	144	64.32	36.24	0.95	7.82
	Pacific Islander	1	144				
	Black non Hispanic	698	144	82.52	34.23	0.94	8.32
	Hispanic	595	144	73.33	34.18	0.94	8.19
	American Indian or Alaskan Native	15	144	70.33	39.83	0.97	7.35

continued

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
9	Multiracial	57	144	78.47	35.55	0.94	8.52
	White non-Hispanic	957	144	78.79	35.36	0.95	8.18
	Economically Disadvantaged	1502	144	82.06	34.83	0.94	8.24
	Not Economically Disadvantaged	1319	144	77.13	35.45	0.95	8.19
	Limited English Proficient	117	144	81.88	32.49	0.93	8.46
	Non Limited English Proficient	2704	144	79.66	35.32	0.95	8.20
10	All Students	2667	144	76.41	33.34	0.94	8.12
	Male	1500	144	77.45	33.26	0.94	8.15
	Female	848	144	71.77	32.92	0.94	8.08
	Asian	58	144	68.91	31.68	0.93	8.15
	Pacific Islander	1	144				
	Black non Hispanic	724	144	78.37	33.08	0.94	8.13
	Hispanic	566	144	70.91	33.97	0.94	8.00
	American Indian or Alaskan Native	5	144				
	Multiracial	55	144	78.36	33.75	0.94	8.55
	White non-Hispanic	939	144	76.19	32.71	0.94	8.17
	Economically Disadvantaged	1462	144	78.67	32.41	0.94	8.24
	Not Economically Disadvantaged	1205	144	73.68	34.25	0.95	7.97
	Limited English Proficient	109	144	80.32	29.52	0.92	8.39
	Non Limited English Proficient	2558	144	76.25	33.49	0.94	8.11

Table K-2. 2013–14 Florida Alternate Assessment: Subgroup Reliabilities—Reading

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
3	All Students	2633	144	86.44	39.58	0.96	8.03
	Male	1133	144	84.18	39.32	0.96	8.07
	Female	519	144	81.25	41.03	0.96	7.74
	Asian	36	144	71.86	38.63	0.96	7.85
	Pacific Islander	3	144				
	Black non Hispanic	491	144	85.73	38.98	0.96	7.91
	Hispanic	582	144	80.73	40.85	0.96	7.98
	American Indian or Alaskan Native	10	144	97.80	27.86	0.90	8.93
	Multiracial	46	144	88.57	37.55	0.95	8.47
	White non-Hispanic	484	144	83.94	39.97	0.96	7.91
	Economically Disadvantaged	968	144	85.62	39.31	0.96	8.00
	Not Economically Disadvantaged	1665	144	86.92	39.74	0.96	8.05
	Limited English Proficient	294	144	88.73	37.92	0.95	8.18
	Non Limited English Proficient	2339	144	86.15	39.78	0.96	8.01
4	All Students	2643	144	90.74	37.29	0.96	7.75
	Male	1440	144	88.84	37.47	0.96	7.74
	Female	702	144	88.68	37.39	0.96	7.79
	Asian	38	144	84.16	36.80	0.95	8.10
	Pacific Islander	4	144				
	Black non Hispanic	623	144	94.67	36.57	0.96	7.63

continued

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
4	Hispanic	644	144	85.49	37.17	0.96	7.84
	American Indian or Alaskan Native	9	144				
	Multiracial	75	144	90.79	38.66	0.96	7.71
	White non-Hispanic	749	144	86.63	37.79	0.96	7.78
	Economically Disadvantaged	1234	144	93.07	36.42	0.95	7.83
	Not Economically Disadvantaged	1409	144	88.69	37.93	0.96	7.69
	Limited English Proficient	281	144	95.83	32.90	0.94	7.88
	Non Limited English Proficient	2362	144	90.13	37.74	0.96	7.74
5	All Students	2795	144	91.21	35.50	0.95	8.00
	Male	1581	144	90.14	35.96	0.95	7.98
	Female	772	144	90.60	35.16	0.95	8.01
	Asian	64	144	80.95	38.12	0.96	7.55
	Pacific Islander	3	144				
	Black non Hispanic	718	144	94.36	34.51	0.95	7.97
	Hispanic	656	144	88.90	36.39	0.95	7.95
	American Indian or Alaskan Native	4	144				
	Multiracial	82	144	93.93	35.51	0.95	8.11
	White non-Hispanic	826	144	88.21	35.73	0.95	8.06
	Economically Disadvantaged	1353	144	92.52	35.25	0.95	8.01
	Not Economically Disadvantaged	1442	144	89.97	35.70	0.95	7.99
	Limited English Proficient	218	144	101.89	31.36	0.94	7.86
	Non Limited English Proficient	2577	144	90.30	35.69	0.95	8.01
6	All Students	2729	144	87.95	37.14	0.96	7.62
	Male	1529	144	87.15	36.80	0.96	7.64
	Female	764	144	84.73	37.59	0.96	7.58
	Asian	49	144	79.27	32.19	0.94	8.03
	Pacific Islander	1	144				
	Black non Hispanic	701	144	91.49	36.63	0.96	7.66
	Hispanic	656	144	82.59	37.18	0.96	7.59
	American Indian or Alaskan Native	9	144				
	Multiracial	79	144	83.87	35.00	0.95	7.64
	White non-Hispanic	798	144	85.54	37.39	0.96	7.56
	Economically Disadvantaged	1409	144	88.61	36.90	0.96	7.65
	Not Economically Disadvantaged	1320	144	87.25	37.39	0.96	7.58
	Limited English Proficient	166	144	91.12	35.80	0.95	7.61
	Non Limited English Proficient	2563	144	87.75	37.22	0.96	7.62
7	All Students	2823	144	84.92	35.00	0.95	8.20
	Male	1621	144	84.11	34.78	0.94	8.19
	Female	804	144	82.40	35.38	0.95	8.07
	Asian	53	144	67.09	31.06	0.94	7.76
	Pacific Islander	1	144				
	Black non Hispanic	747	144	87.71	33.53	0.94	8.29
	Hispanic	656	144	79.80	35.67	0.95	8.00
	American Indian or Alaskan Native	8	144				
	Multiracial	57	144	85.98	34.06	0.94	8.26
	White non-Hispanic	903	144	83.69	35.27	0.95	8.15
	Economically Disadvantaged	1464	144	87.49	34.60	0.94	8.18
	Not Economically Disadvantaged	1359	144	82.15	35.22	0.95	8.21

continued

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
7	Limited English Proficient	127	144	93.21	28.55	0.91	8.47
	Non Limited English Proficient	2696	144	84.53	35.23	0.95	8.19
8	All Students	2838	144	85.86	35.52	0.95	8.04
	Male	1616	144	85.73	35.20	0.95	8.05
	Female	883	144	83.76	36.16	0.95	8.00
	Asian	48	144	70.90	30.17	0.93	8.11
	Pacific Islander	1	144				
	Black non Hispanic	782	144	86.58	35.41	0.95	8.16
	Hispanic	665	144	82.11	35.77	0.95	7.90
	American Indian or Alaskan Native	9	144				
	Multiracial	73	144	91.14	35.94	0.95	7.96
	White non-Hispanic	921	144	86.04	35.47	0.95	8.02
	Economically Disadvantaged	1538	144	88.39	35.05	0.95	8.03
	Not Economically Disadvantaged	1300	144	82.87	35.85	0.95	8.06
	Limited English Proficient	135	144	88.93	33.75	0.94	8.09
	Non Limited English Proficient	2703	144	85.71	35.61	0.95	8.04
9	All Students	2815	144	82.28	33.73	0.94	8.09
	Male	1585	144	82.00	33.27	0.94	8.12
	Female	788	144	78.07	33.83	0.94	8.02
	Asian	57	144	62.35	33.18	0.94	7.81
	Pacific Islander	1	144				
	Black non Hispanic	697	144	85.65	32.52	0.94	8.21
	Hispanic	594	144	74.22	32.72	0.94	8.00
	American Indian or Alaskan Native	15	144	80.13	43.59	0.98	6.57
	Multiracial	56	144	82.52	32.22	0.94	8.18
	White non-Hispanic	953	144	82.06	33.72	0.94	8.05
	Economically Disadvantaged	1502	144	84.17	32.76	0.94	8.17
	Not Economically Disadvantaged	1313	144	80.12	34.71	0.95	7.99
	Limited English Proficient	117	144	81.17	30.00	0.92	8.46
	Non Limited English Proficient	2698	144	82.33	33.89	0.94	8.07
10	All Students	2661	144	84.02	36.07	0.95	7.94
	Male	1499	144	83.86	35.63	0.95	7.98
	Female	842	144	80.91	36.92	0.96	7.81
	Asian	57	144	70.88	32.52	0.94	8.29
	Pacific Islander	1	144				
	Black non Hispanic	721	144	85.65	35.17	0.95	7.94
	Hispanic	565	144	77.91	37.38	0.96	7.80
	American Indian or Alaskan Native	5	144				
	Multiracial	55	144	86.38	35.00	0.95	7.74
	White non-Hispanic	937	144	84.20	35.9	0.95	7.95
	Economically Disadvantaged	1457	144	86.50	34.77	0.95	8.01
	Not Economically Disadvantaged	1204	144	81.02	37.38	0.96	7.85
	Limited English Proficient	110	144	86.76	31.21	0.93	8.35
	Non Limited English Proficient	2551	144	83.90	36.27	0.95	7.92

Table K-3. 2013–14 Florida Alternate Assessment: Subgroup Reliabilities—Science

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
5	All Students	2765	144	90.48	37.21	0.96	7.58
	Male	1566	144	89.58	37.66	0.96	7.57
	Female	760	144	88.57	36.57	0.96	7.62
	Asian	64	144	76.23	39.33	0.97	7.23
	Pacific Islander	3	144				
	Black non Hispanic	709	144	94.22	35.68	0.95	7.66
	Hispanic	645	144	87.11	38.27	0.96	7.56
	American Indian or Alaskan Native	4	144				
	Multiracial	83	144	93.76	35.800	0.95	7.89
	White non-Hispanic	818	144	87.13	37.42	0.96	7.55
	Economically Disadvantaged	1337	144	91.90	36.81	0.96	7.61
	Not Economically Disadvantaged	1428	144	89.16	37.54	0.96	7.56
	Limited English Proficient	215	144	101.63	33.54	0.95	7.60
	Non Limited English Proficient	2550	144	89.54	37.36	0.96	7.58
8	All Students	2817	144	83.05	34.31	0.94	8.29
	Male	1611	144	83.85	34.51	0.94	8.24
	Female	872	144	79.32	34.09	0.94	8.29
	Asian	48	144	67.83	30.26	0.93	7.99
	Pacific Islander	1	144				
	Black non Hispanic	772	144	83.32	33.69	0.94	8.31
	Hispanic	660	144	80.65	34.44	0.94	8.27
	American Indian or Alaskan Native	9	144				
	Multiracial	74	144	86.18	33.64	0.94	8.32
	White non-Hispanic	919	144	82.98	35.22	0.95	8.20
	Economically Disadvantaged	1529	144	85.82	33.88	0.94	8.32
	Not Economically Disadvantaged	1288	144	79.77	34.54	0.94	8.24
	Limited English Proficient	134	144	88.65	31.49	0.93	8.62
	Non Limited English Proficient	2683	144	82.77	34.43	0.94	8.27
11	All Students	2616	144	87.02	34.23	0.94	8.23
	Male	1475	144	87.19	33.99	0.94	8.25
	Female	865	144	85.01	34.89	0.94	8.20
	Asian	45	144	64.53	31.26	0.94	7.79
	Pacific Islander	1	144				
	Black non Hispanic	702	144	87.97	34.21	0.94	8.29
	Hispanic	601	144	83.12	34.34	0.94	8.20
	American Indian or Alaskan Native	12	144	93.00	39.93	0.96	8.29
	Multiracial	47	144	91.47	33.09	0.94	8.36
	White non-Hispanic	932	144	87.99	34.14	0.94	8.21
	Economically Disadvantaged	1394	144	89.78	33.47	0.94	8.27
	Not Economically Disadvantaged	1222	144	83.86	34.82	0.94	8.19
	Limited English Proficient	91	144	93.64	30.04	0.92	8.41
	Non Limited English Proficient	2525	144	86.78	34.35	0.94	8.23

Table K-4. 2013–14 Florida Alternate Assessment: Subgroup Reliabilities—Writing

Grade	Group	Number of Students	Raw Score			Alpha	SEM
			Maximum	Mean	Standard Deviation		
4	All Students	2625	144	82.12	36.16	0.96	7.36
	Male	1438	144	79.96	36.23	0.96	7.35
	Female	700	144	80.31	35.86	0.96	7.28
	Asian	39	144	74.97	35.71	0.95	7.71
	Pacific Islander	4	144				
	Black non Hispanic	623	144	85.32	36.24	0.96	7.35
	Hispanic	642	144	77.01	35.62	0.96	7.29
	American Indian or Alaskan Native	9	144				
	Multiracial	75	144	82.52	37.66	0.96	7.47
	White non-Hispanic	746	144	78.24	35.82	0.96	7.32
	Economically Disadvantaged	1232	144	84.71	35.56	0.96	7.45
	Not Economically Disadvantaged	1393	144	79.83	36.55	0.96	7.27
	Limited English Proficient	280	144	86.64	32.96	0.95	7.49
	Non Limited English Proficient	2345	144	81.58	36.50	0.96	7.34
8	All Students	2812	144	92.14	38.83	0.96	7.54
	Male	1613	144	91.71	38.59	0.96	7.55
	Female	873	144	89.90	39.52	0.96	7.48
	Asian	48	144	73.40	32.31	0.94	7.96
	Pacific Islander	1	144				
	Black non Hispanic	776	144	92.72	38.87	0.96	7.54
	Hispanic	662	144	87.69	39.01	0.96	7.55
	American Indian or Alaskan Native	9	144				
	Multiracial	74	144	96.50	39.41	0.97	7.23
	White non-Hispanic	916	144	92.57	38.87	0.96	7.50
	Economically Disadvantaged	1532	144	94.86	37.92	0.96	7.54
	Not Economically Disadvantaged	1280	144	88.90	39.67	0.96	7.55
	Limited English Proficient	135	144	95.84	35.18	0.95	7.83
	Non Limited English Proficient	2677	144	91.96	39.00	0.96	7.53
10	All Students	2639	144	82.86	36.29	0.96	7.40
	Male	1486	144	82.51	35.68	0.96	7.42
	Female	839	144	80.15	37.19	0.96	7.34
	Asian	58	144	73.71	33.36	0.95	7.77
	Pacific Islander	1	144				
	Black non Hispanic	719	144	84.71	35.64	0.96	7.48
	Hispanic	562	144	75.74	37.65	0.96	7.15
	American Indian or Alaskan Native	5	144				
	Multiracial	54	144	87.41	39.16	0.97	7.11
	White non-Hispanic	926	144	83.17	35.36	0.96	7.46
	Economically Disadvantaged	1455	144	85.27	34.95	0.95	7.54
	Not Economically Disadvantaged	1184	144	79.90	37.69	0.96	7.22
	Limited English Proficient	111	144	84.20	31.12	0.94	7.88
	Non Limited English Proficient	2528	144	82.80	36.51	0.96	7.38

APPENDIX L—DECISION ACCURACY AND CONSISTENCY

Table L-1. 2013–14 Florida Alternate Assessment: Summary of Decision Accuracy (and Consistency) Results by Subject and Grade—Overall and Conditional on Performance Level

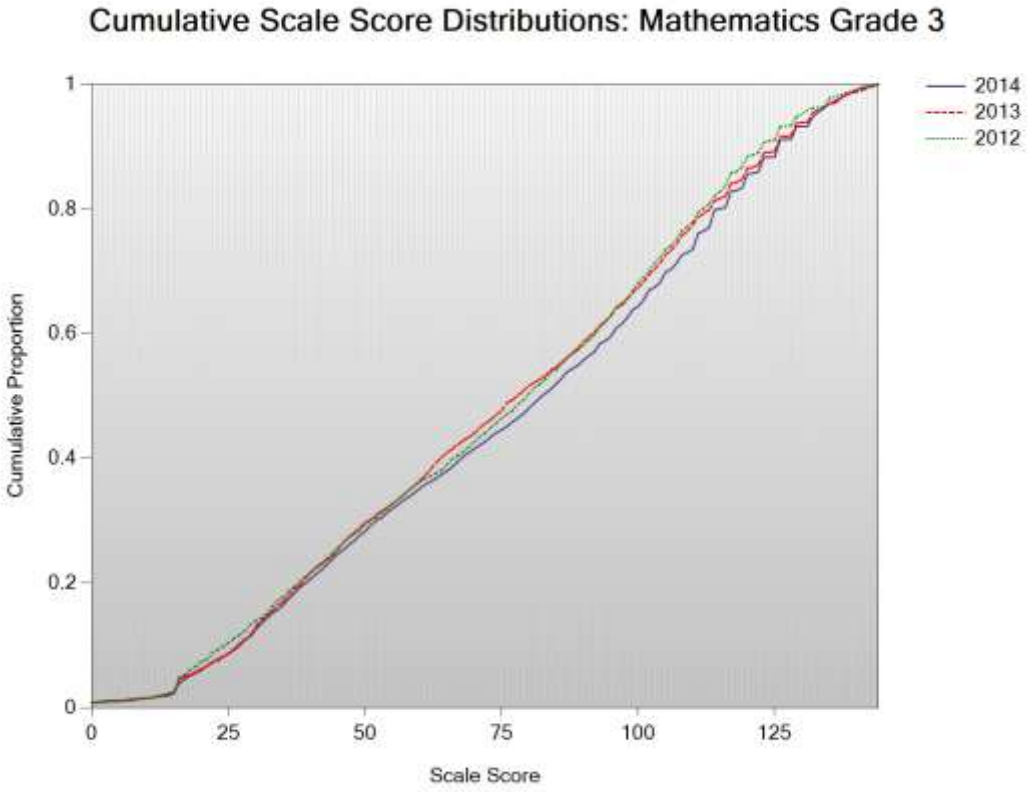
Content	*Grade*	*Overall*	*Kappa*	*Conditional on Level*		
				Emergent	*Achieved*	*Commended*
Mathematics	3	0.88 (0.83)	0.76	0.90 (0.87)	0.81 (0.75)	0.92 (0.86)
	4	0.88 (0.83)	0.76	0.90 (0.87)	0.83 (0.77)	0.92 (0.87)
	5	0.89 (0.85)	0.78	0.91 (0.88)	0.83 (0.78)	0.91 (0.86)
	6	0.87 (0.81)	0.72	0.89 (0.85)	0.82 (0.77)	0.90 (0.82)
	7	0.87 (0.81)	0.72	0.88 (0.84)	0.82 (0.76)	0.90 (0.83)
	8	0.86 (0.80)	0.70	0.87 (0.82)	0.82 (0.77)	0.90 (0.82)
	9	0.88 (0.83)	0.76	0.90 (0.87)	0.81 (0.75)	0.92 (0.86)
	10	0.86 (0.80)	0.70	0.88 (0.84)	0.83 (0.78)	0.89 (0.81)
Reading	3	0.90 (0.86)	0.79	0.91 (0.89)	0.78 (0.70)	0.92 (0.87)
	4	0.90 (0.87)	0.79	0.91 (0.88)	0.79 (0.72)	0.95 (0.92)
	5	0.89 (0.85)	0.76	0.90 (0.87)	0.78 (0.70)	0.94 (0.90)
	6	0.90 (0.86)	0.79	0.91 (0.88)	0.81 (0.74)	0.95 (0.91)
	7	0.88 (0.84)	0.75	0.89 (0.86)	0.79 (0.72)	0.93 (0.89)
	8	0.88 (0.84)	0.75	0.89 (0.86)	0.79 (0.72)	0.93 (0.88)
	9	0.88 (0.83)	0.74	0.89 (0.86)	0.81 (0.74)	0.91 (0.85)
	10	0.88 (0.83)	0.75	0.90 (0.87)	0.80 (0.73)	0.93 (0.88)
Science	5	0.89 (0.84)	0.77	0.89 (0.86)	0.82 (0.76)	0.93 (0.88)
	8	0.86 (0.80)	0.71	0.87 (0.82)	0.83 (0.78)	0.89 (0.81)
	11	0.87 (0.82)	0.73	0.87 (0.82)	0.83 (0.78)	0.90 (0.83)
Writing	4	0.89 (0.85)	0.78	0.91 (0.89)	0.80 (0.73)	0.94 (0.89)
	8	0.90 (0.86)	0.78	0.90 (0.87)	0.78 (0.71)	0.91 (0.86)
	10	0.89 (0.85)	0.78	0.91 (0.88)	0.80 (0.73)	0.94 (0.89)

Table L-2. 2013–14 Florida Alternate Assessment: Summary of Decision Accuracy (and Consistency) Results by Subject and Grade—Overall and Conditional on Cutpoint

Content	*Grade*	*Emergent / Achieved*			*Achieved / Commended*		
		Accuracy (Consistency)	*False*		*Accuracy (Consistency)*	*False*	
			Positive	*Negative*		*Positive*	*Negative*
Mathematics	3	0.94 (0.92)	0.03	0.03	0.94 (0.92)	0.04	0.02
	4	0.95 (0.92)	0.03	0.03	0.94 (0.91)	0.04	0.03
	5	0.95 (0.93)	0.03	0.02	0.95 (0.93)	0.03	0.02
	6	0.93 (0.90)	0.04	0.03	0.93 (0.91)	0.04	0.02
	7	0.94 (0.91)	0.03	0.03	0.93 (0.90)	0.04	0.03
	8	0.93 (0.91)	0.04	0.03	0.93 (0.90)	0.05	0.03
	9	0.94 (0.92)	0.03	0.03	0.94 (0.92)	0.04	0.02
	10	0.93 (0.90)	0.04	0.03	0.93 (0.91)	0.04	0.02
Reading	3	0.95 (0.94)	0.03	0.02	0.95 (0.93)	0.03	0.02
	4	0.96 (0.94)	0.02	0.02	0.95 (0.92)	0.03	0.02
	5	0.95 (0.93)	0.03	0.02	0.94 (0.91)	0.04	0.03
	6	0.96 (0.94)	0.02	0.02	0.94 (0.92)	0.03	0.02
	7	0.95 (0.93)	0.03	0.02	0.93 (0.91)	0.04	0.03
	8	0.95 (0.93)	0.03	0.02	0.93 (0.91)	0.04	0.03
	9	0.94 (0.92)	0.03	0.03	0.93 (0.91)	0.04	0.03
	10	0.95 (0.92)	0.03	0.02	0.93 (0.91)	0.04	0.03
Science	5	0.95 (0.93)	0.03	0.02	0.94 (0.91)	0.04	0.03
	8	0.93 (0.91)	0.04	0.03	0.93 (0.90)	0.05	0.03
	11	0.94 (0.92)	0.03	0.03	0.93 (0.90)	0.05	0.03
Writing	4	0.95 (0.93)	0.03	0.02	0.94 (0.92)	0.03	0.02
	8	0.96 (0.94)	0.02	0.02	0.95 (0.92)	0.03	0.02
	10	0.95 (0.93)	0.03	0.02	0.94 (0.92)	0.03	0.02

APPENDIX M—CUMULATIVE DISTRIBUTIONS

Figure M-1. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Mathematics Grade 3 Bottom: Mathematics Grade 4



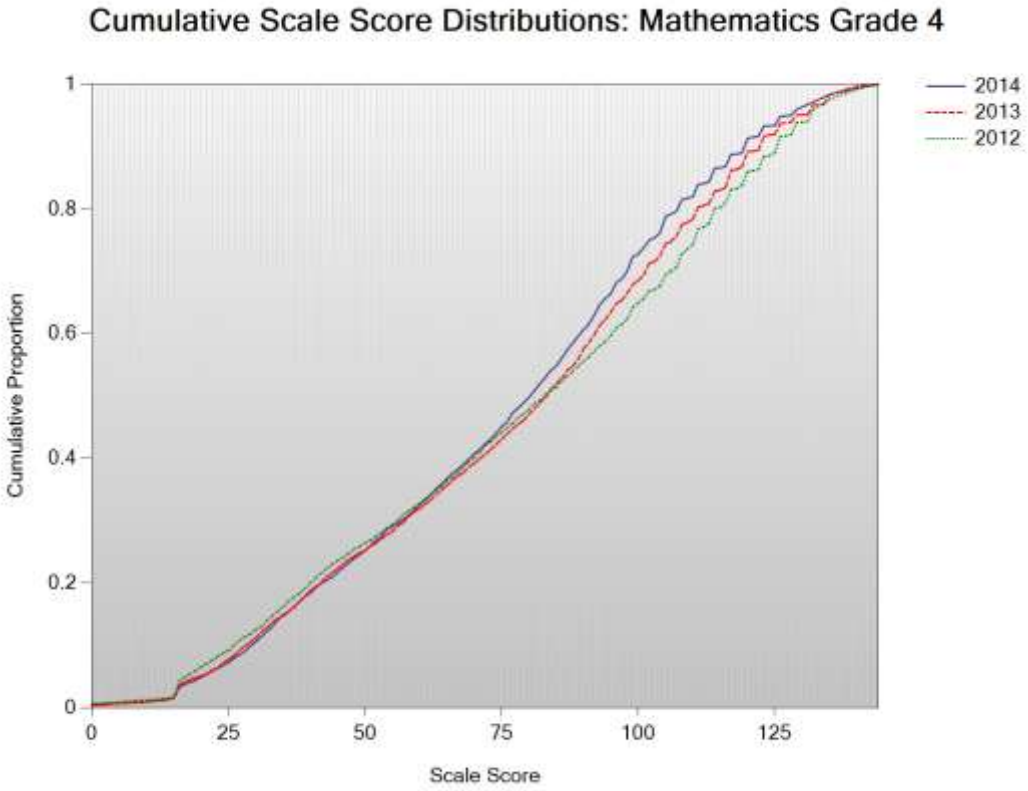
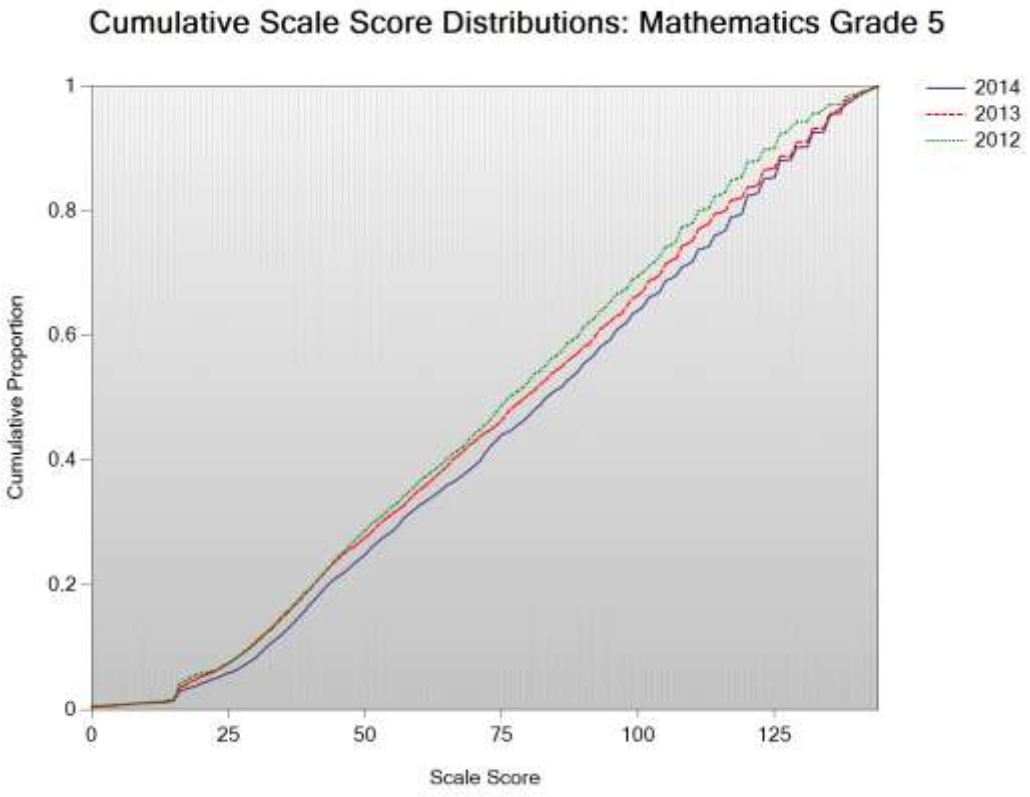


Figure M-2. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Mathematics Grade 5 Bottom: Mathematics Grade 6



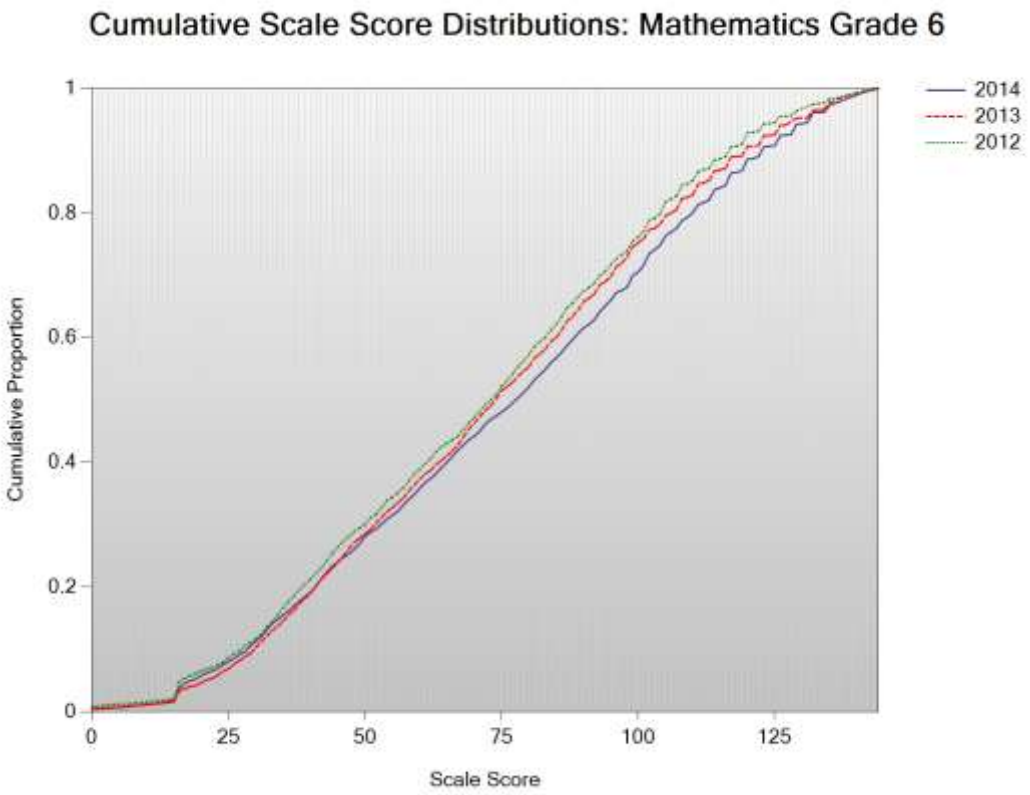
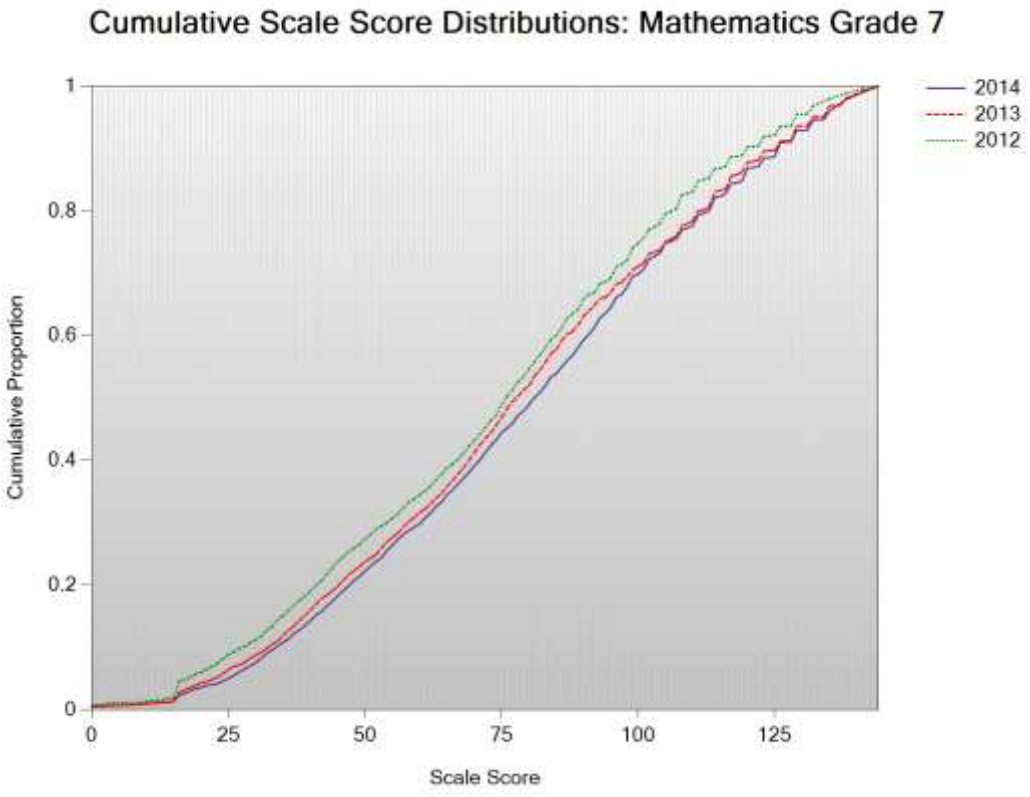


Figure M-3. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Mathematics Grade 7 Bottom: Mathematics Grade 8



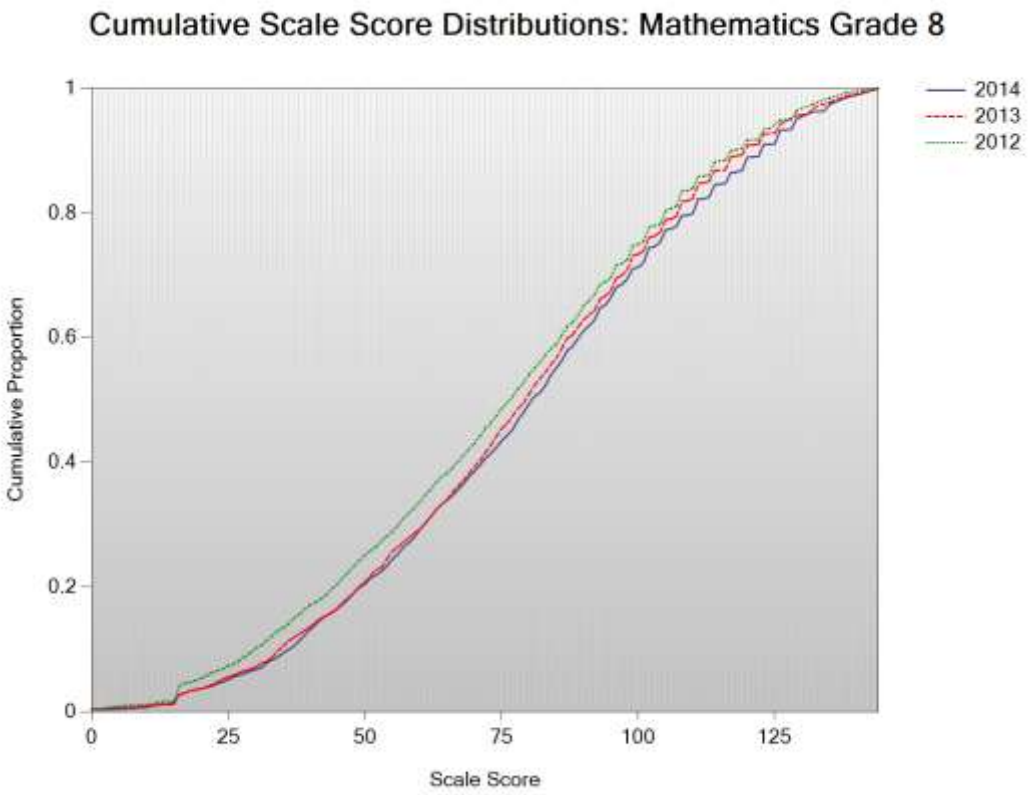
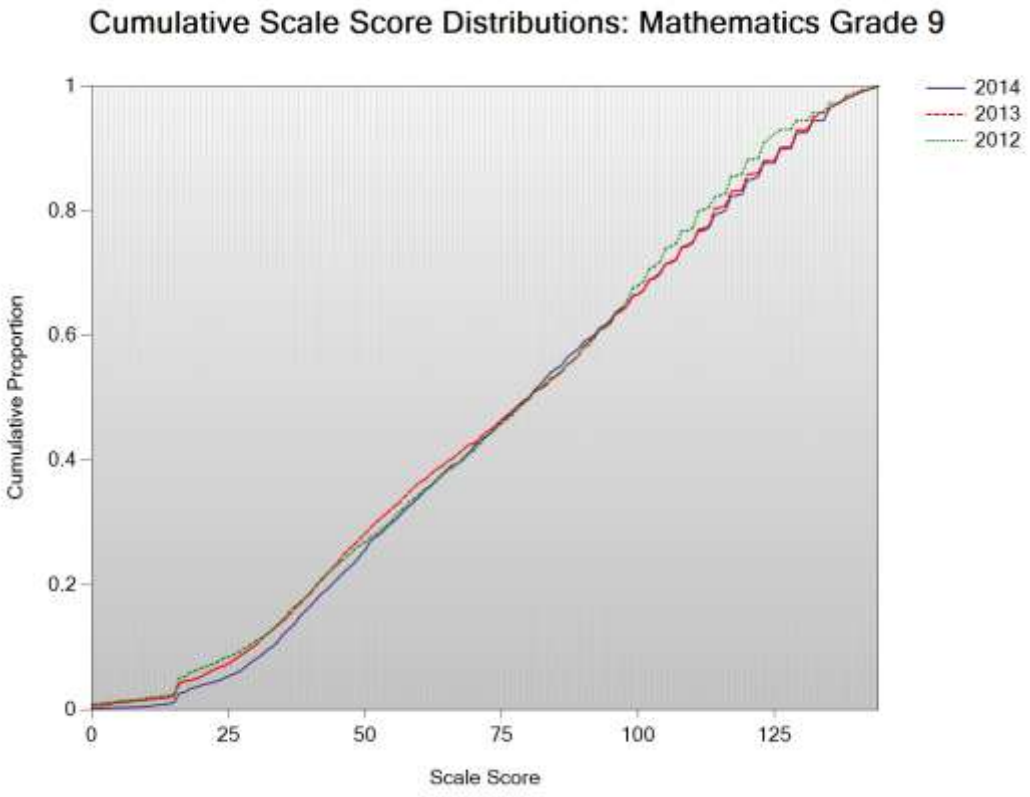


Figure M-4. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Mathematics Grade 9 Bottom: Mathematics Grade 10



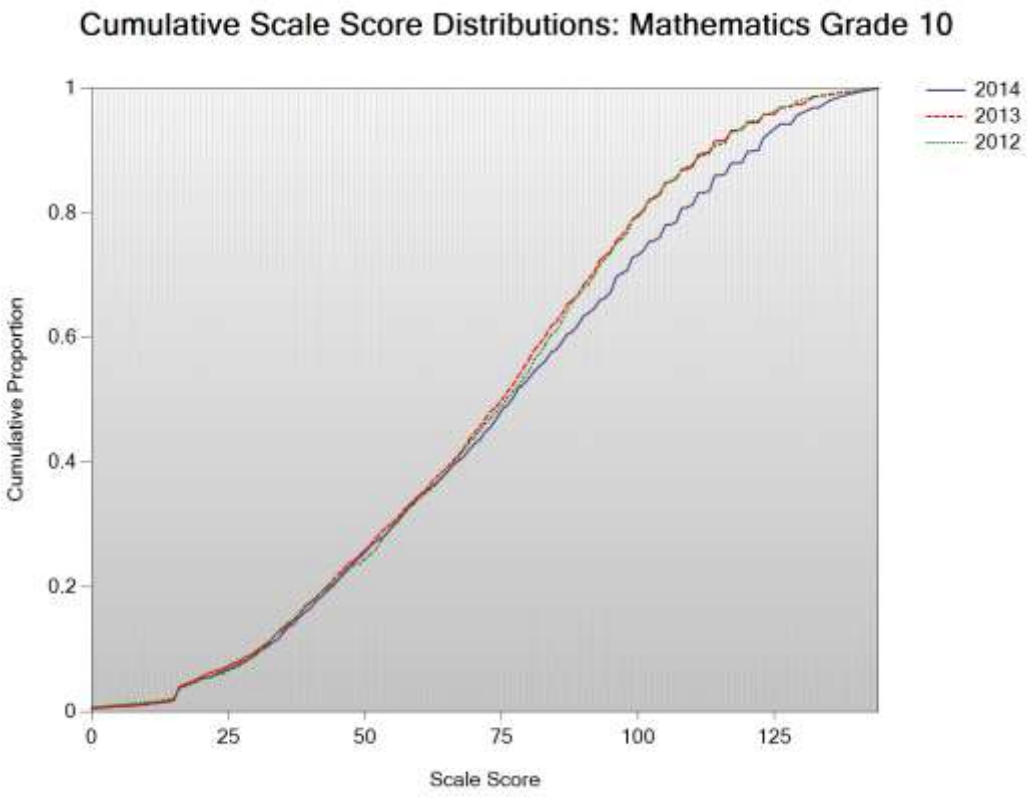
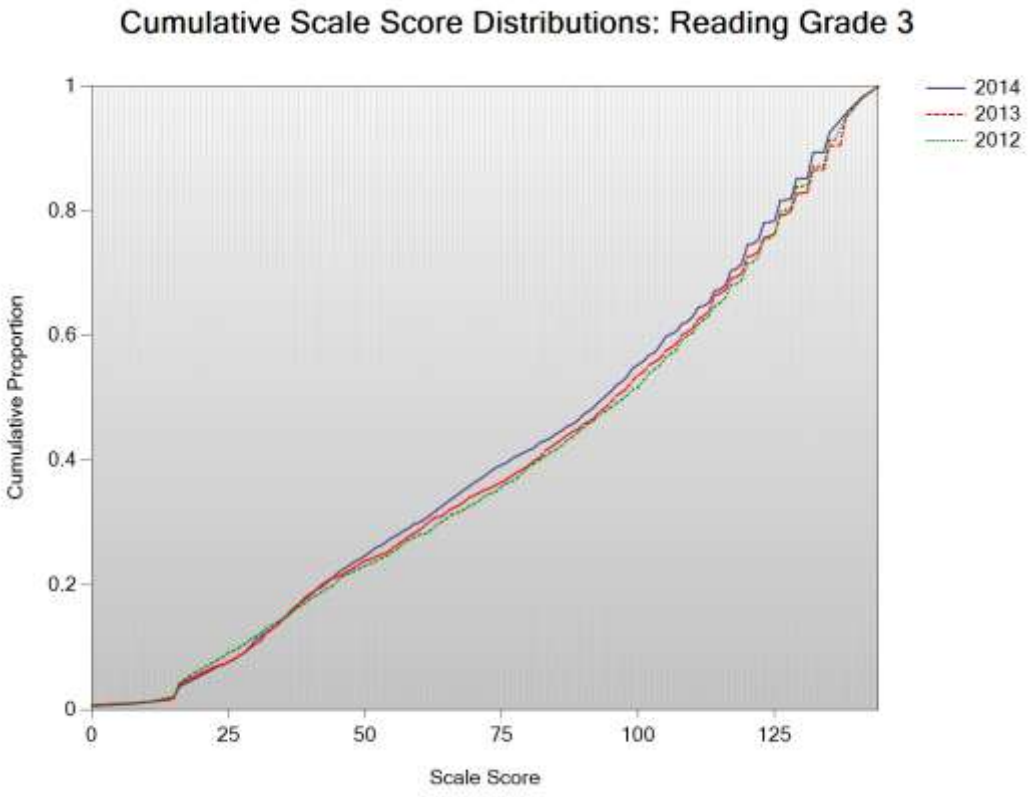


Figure M-5. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Reading Grade 3 Bottom: Reading Grade 4



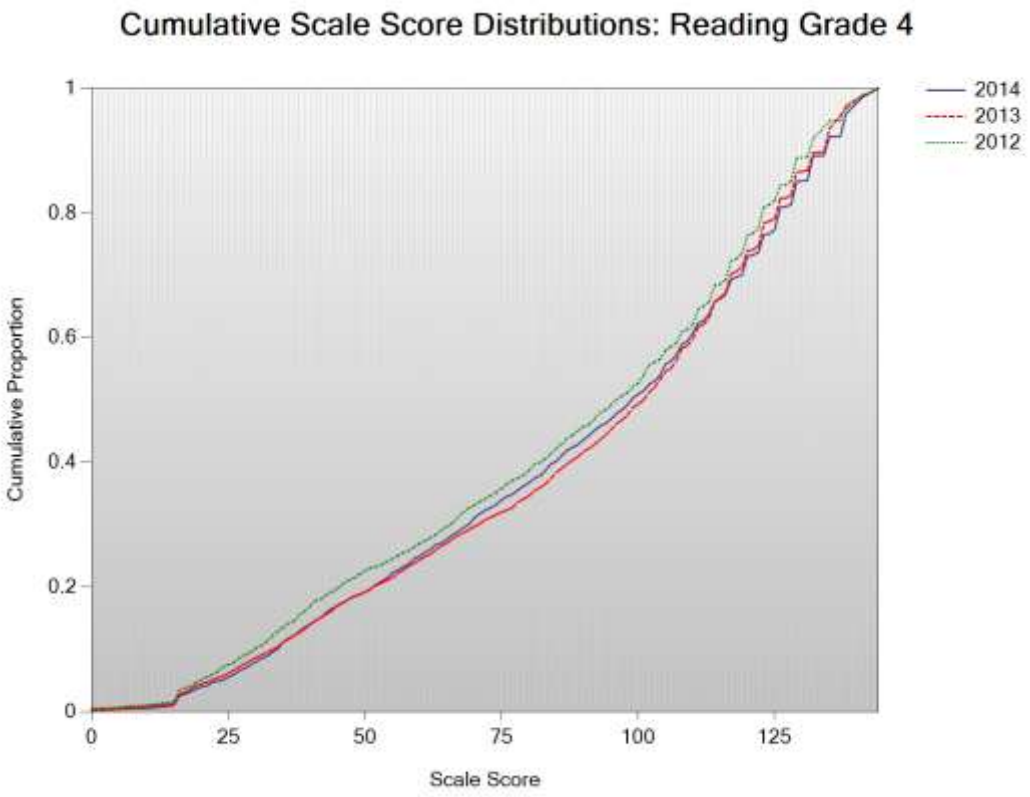
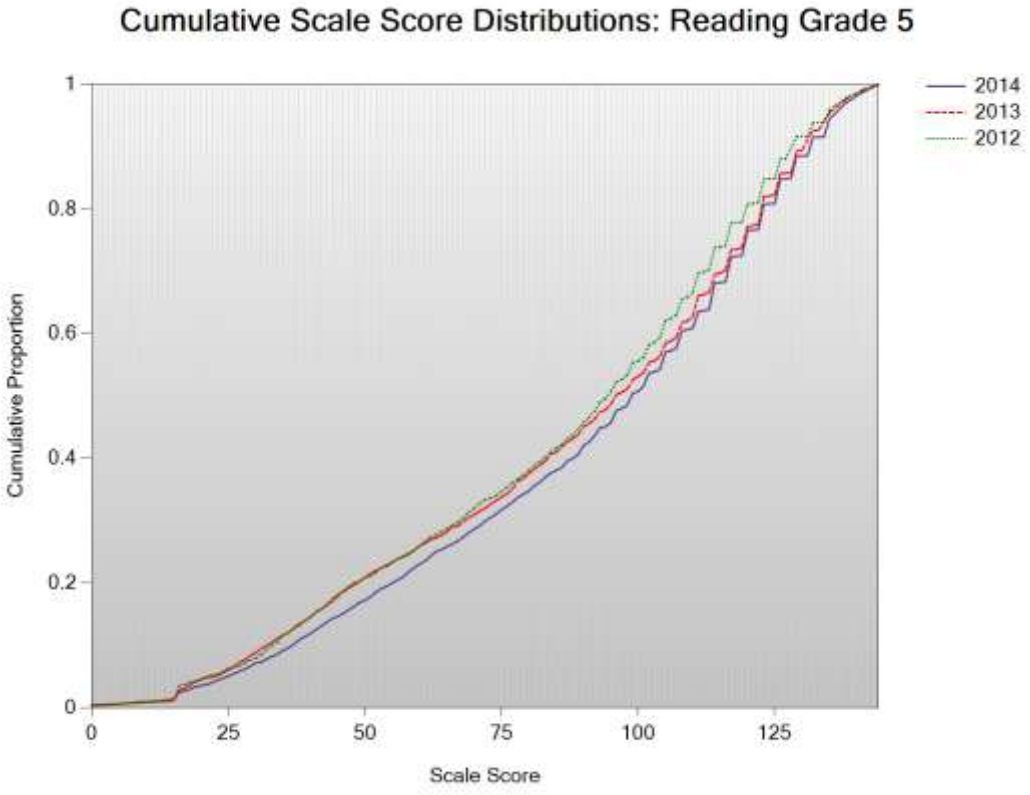


Figure M-6. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Reading Grade 5 Bottom: Reading Grade 6



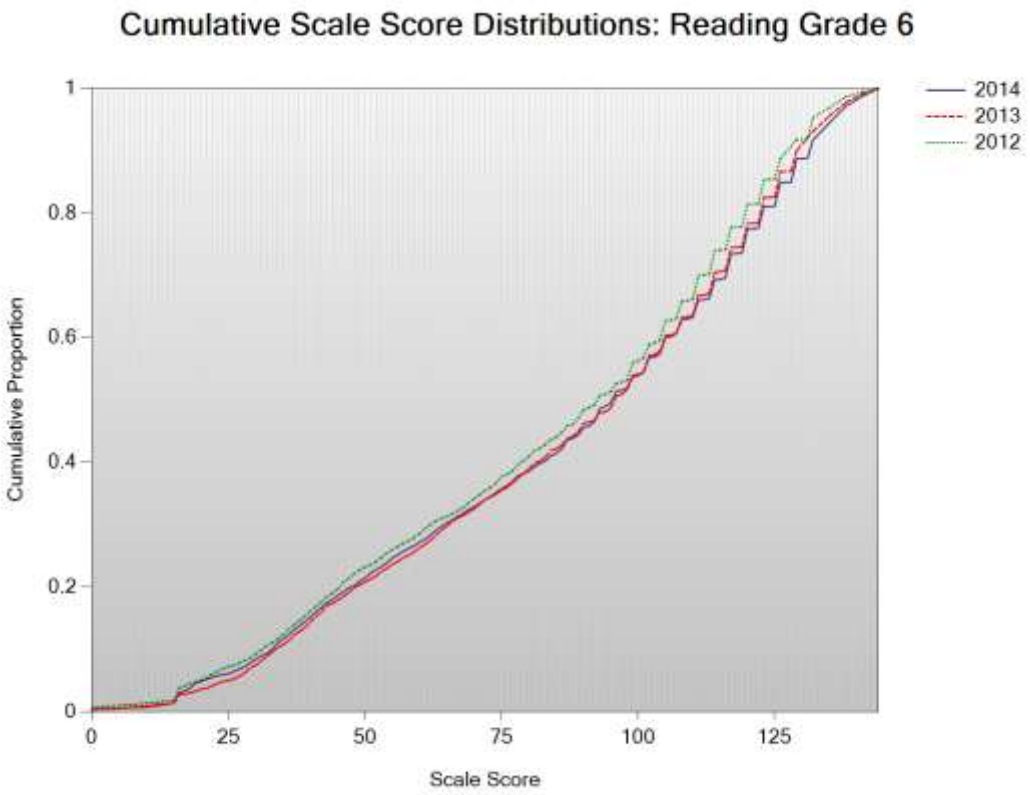
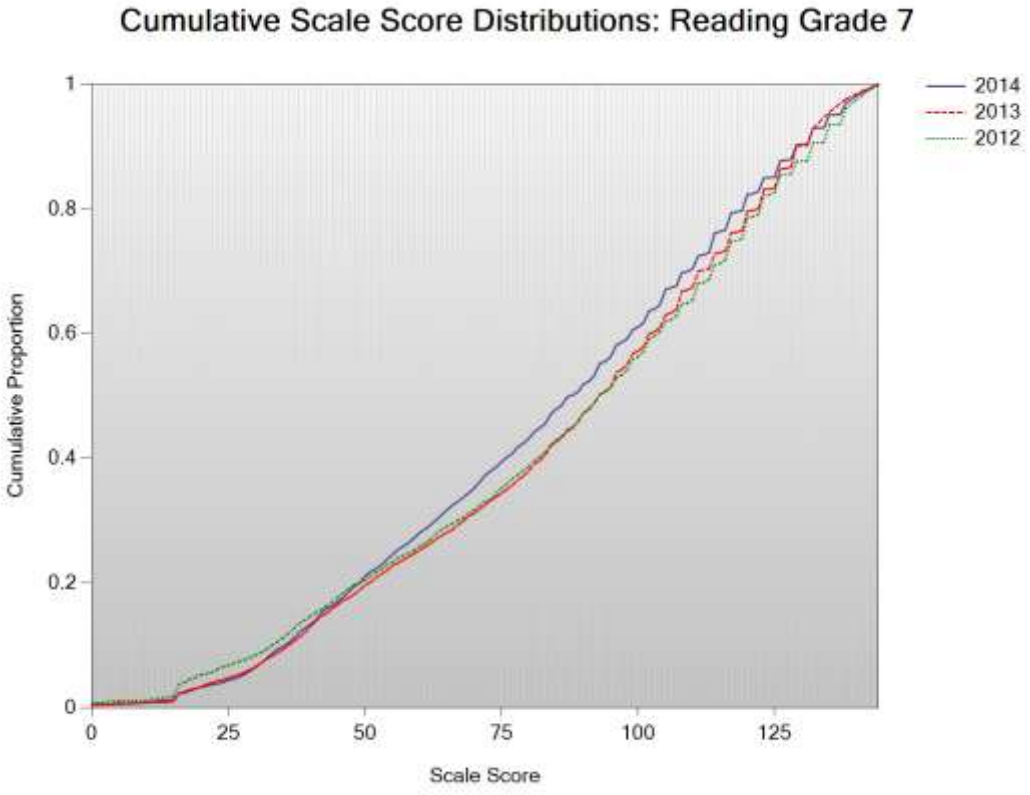


Figure M-7. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Reading Grade 7 Bottom: Reading Grade 8



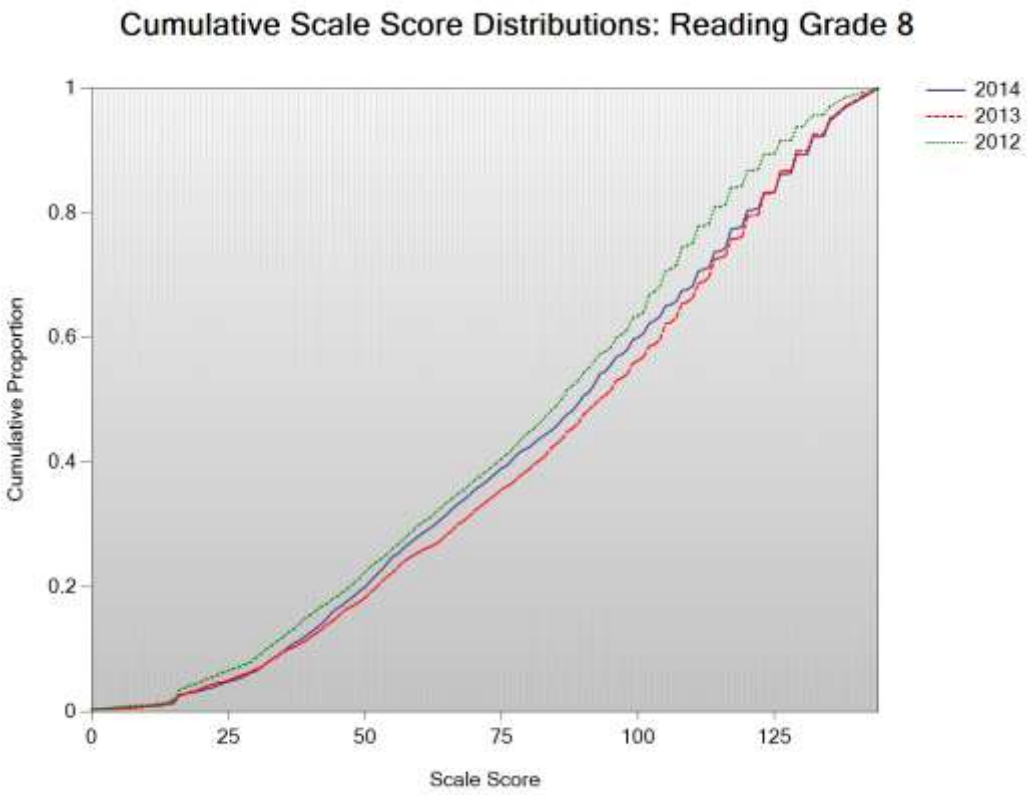
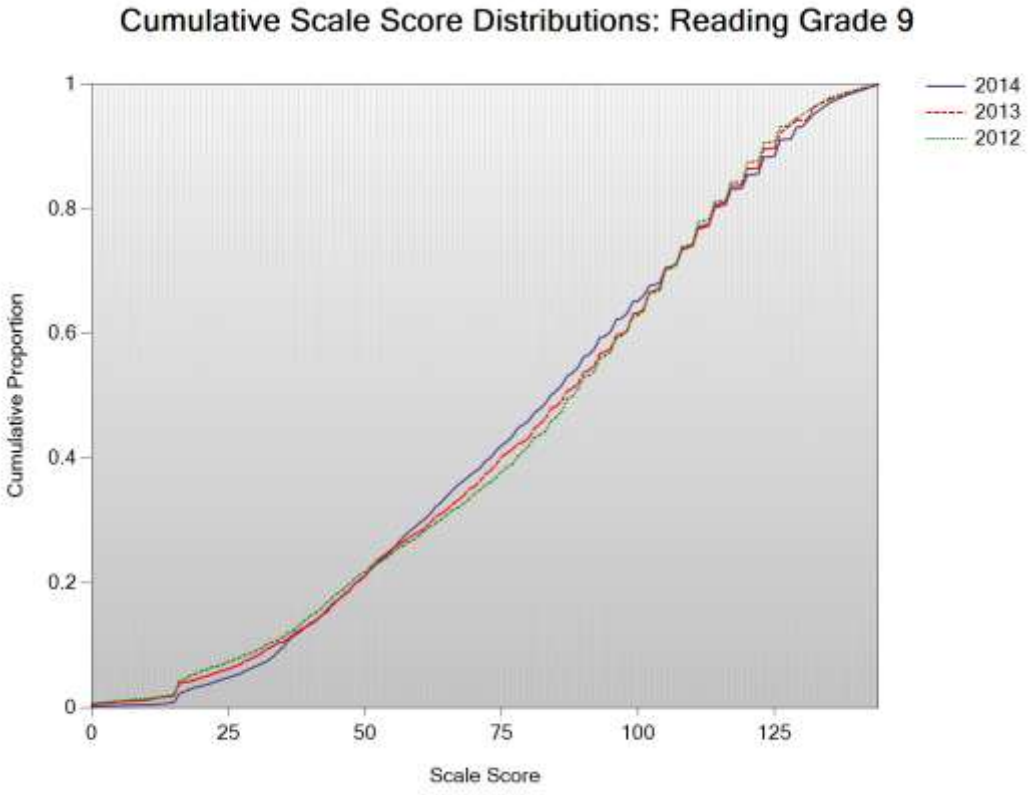


Figure M-8. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Reading Grade 9 Bottom: Reading Grade 10



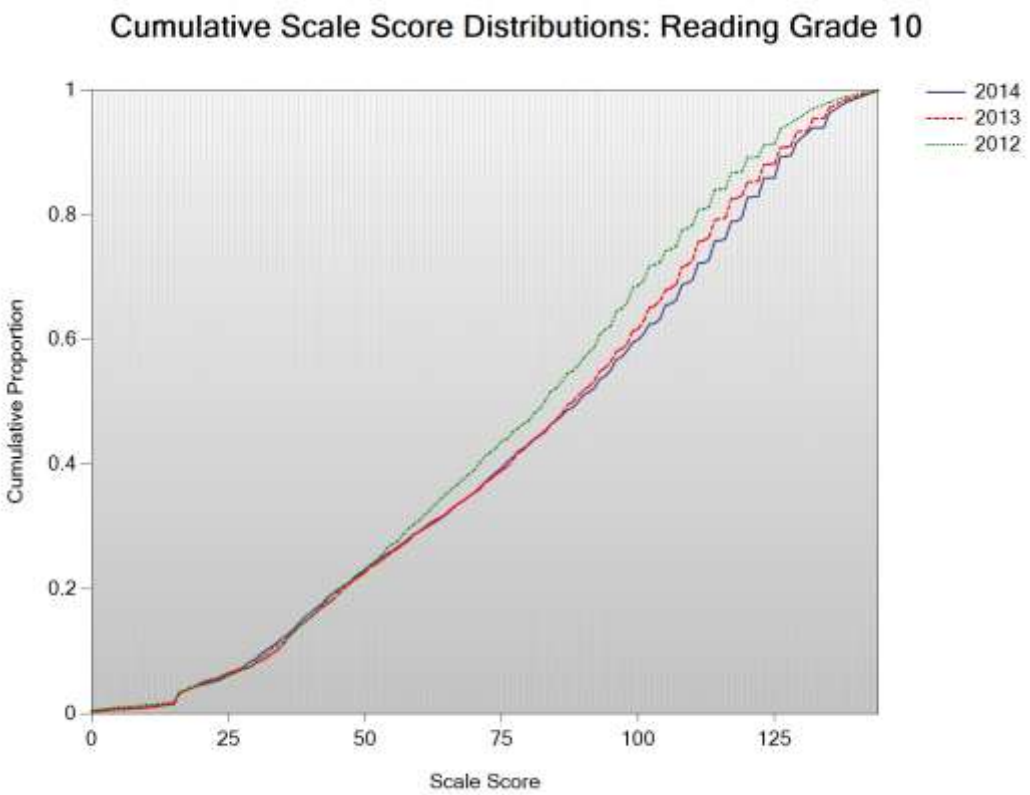
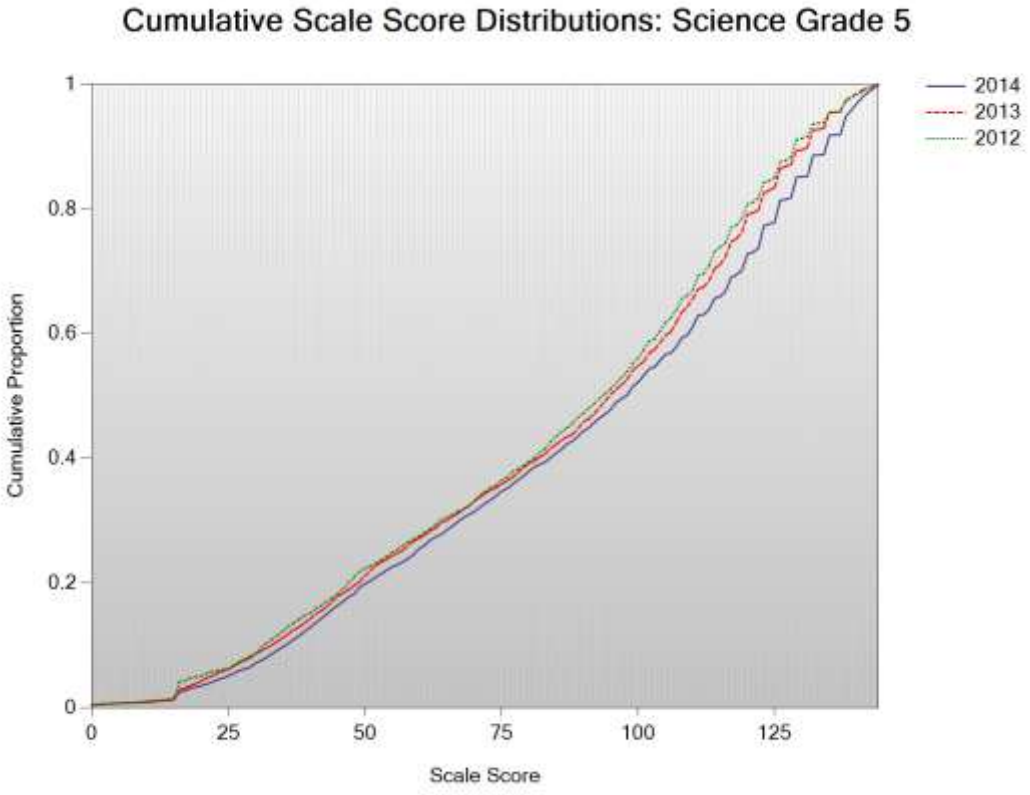


Figure M-9. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Science Grade 5 Bottom: Science Grade 8



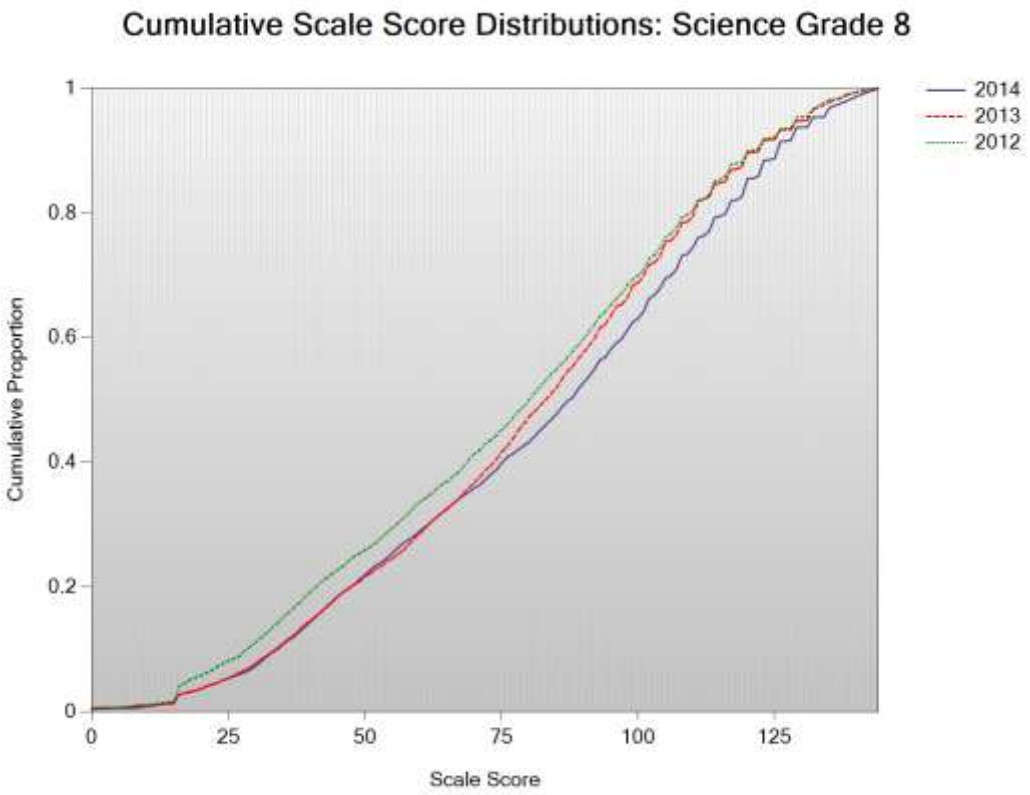
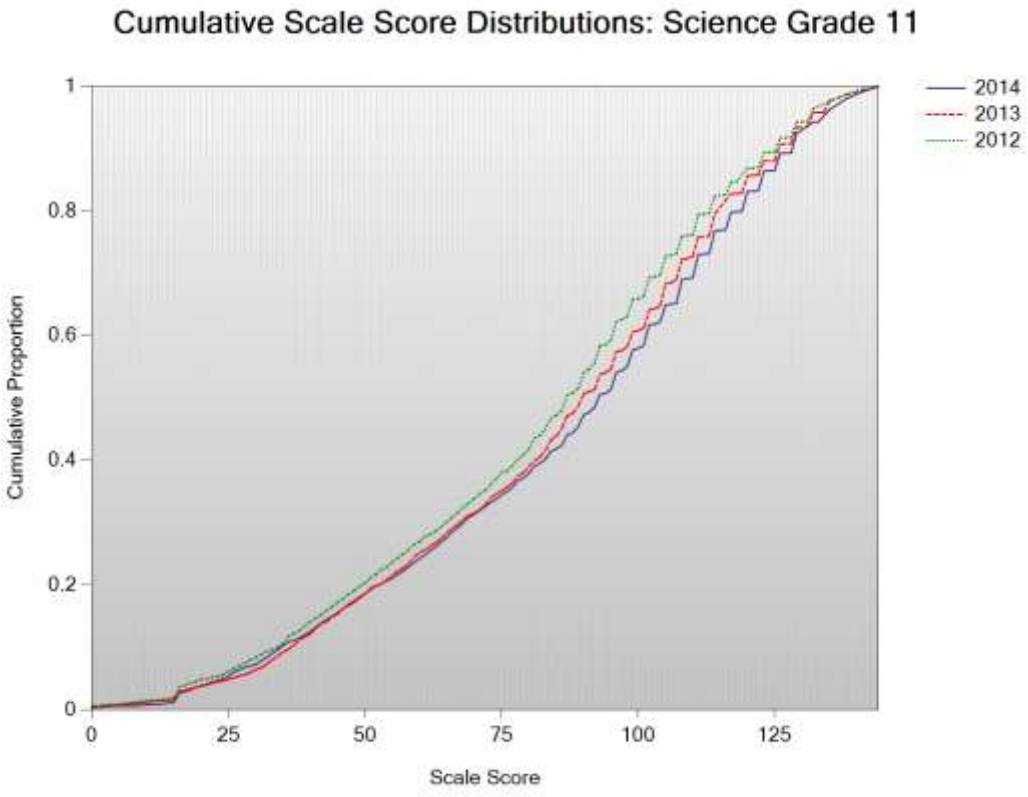


Figure M-10. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Science Grade 11 Bottom: Writing Grade 4



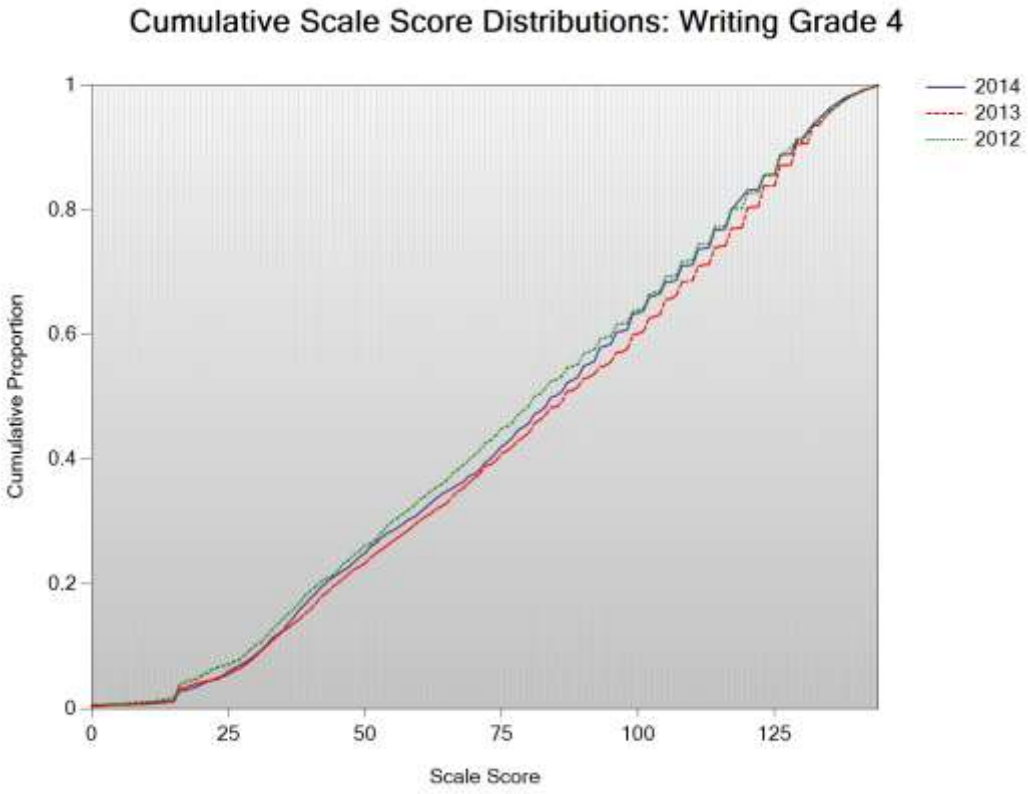
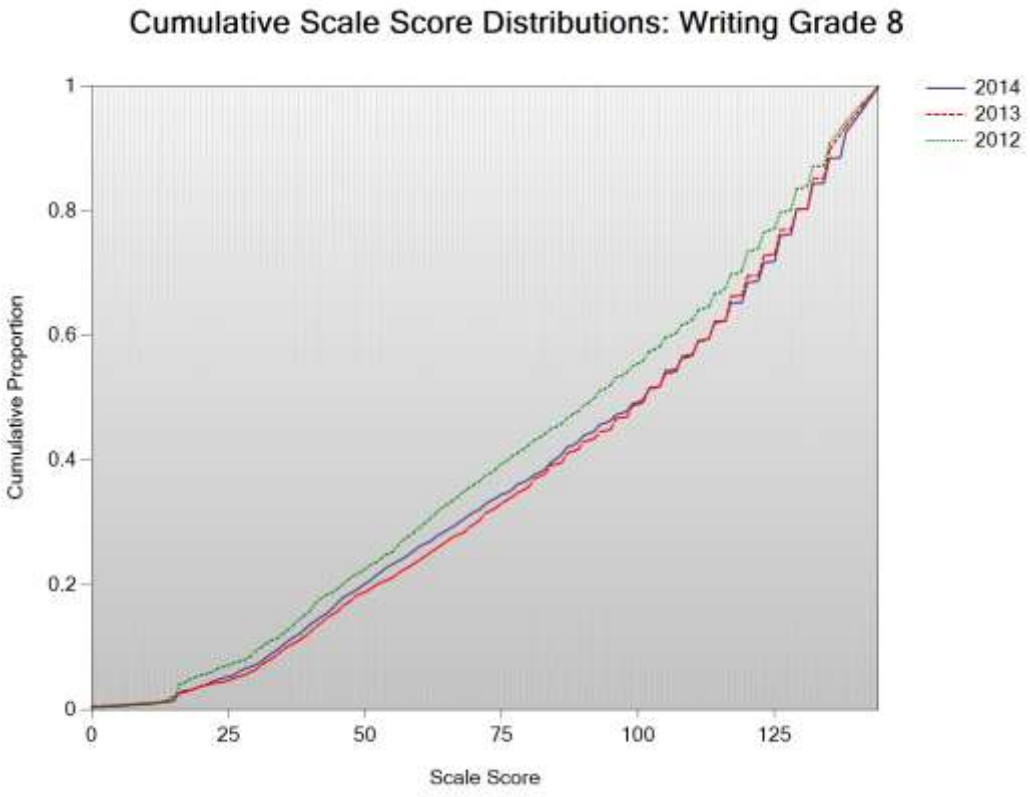
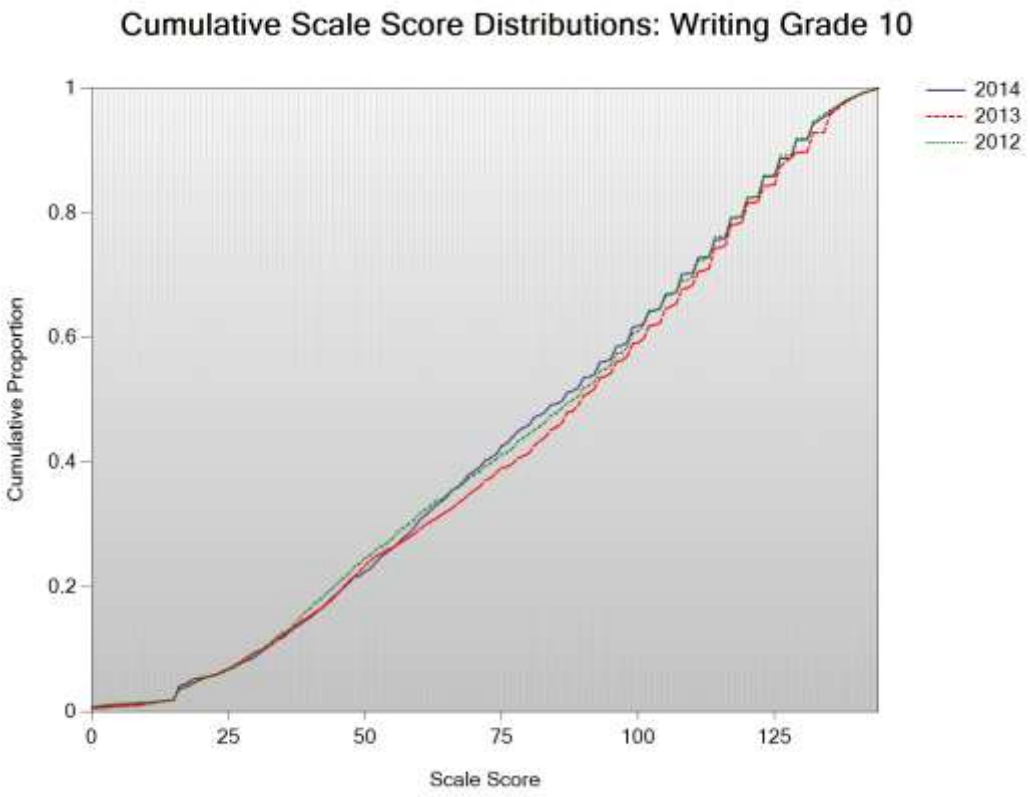


Figure M-11. 2013–14 Florida Alternate Assessment: Cumulative Score Distribution Plots
Top: Writing Grade 8 Bottom: Writing Grade 10





APPENDIX N—PERFORMANCE-LEVEL DISTRIBUTIONS

Table N-1. Florida Alternate Assessment: Performance-Level Distribution by Grade—Mathematics

Grade	Achievement Level	PL	N	Percent	TOTAL
3	Emergent	1	188	7.2%	
		2	318	12.1%	
		3	368	14.0%	
	Achieved	4	217	8.3%	
		5	297	11.3%	
		6	256	9.7%	
	Commended	7	289	11.0%	
		8	389	14.8%	
		9	306	11.6%	**2628**
4	Emergent	1	159	6.0%	
		2	353	13.4%	
		3	286	10.8%	
	Achieved	4	253	9.6%	
		5	427	16.2%	
		6	369	14.0%	
	Commended	7	315	11.9%	
		8	340	12.9%	
		9	135	5.1%	**2637**
5	Emergent	1	154	5.5%	
		2	290	10.4%	
		3	413	14.7%	
	Achieved	4	297	10.6%	
		5	295	10.5%	
		6	294	10.5%	
	Commended	7	272	9.7%	
		8	370	13.2%	
		9	416	14.9%	**2801**
6	Emergent	1	218	8.0%	
		2	265	9.7%	
		3	421	15.4%	
	Achieved	4	324	11.9%	
		5	374	13.7%	
		6	256	9.4%	
	Commended	7	362	13.3%	
		8	302	11.1%	
		9	206	7.6%	**2728**

continued

7	Emergent	1	141	5.0%	
		2	261	9.3%	
		3	391	13.9%	**2821**
	Achieved	4	280	9.9%	
		5	479	17.0%	
		6	363	12.9%	**2821**
	Commended	7	277	9.8%	
		8	374	13.3%	
		9	255	9.0%	
8	Emergent	1	158	5.6%	
		2	216	7.6%	
		3	373	13.2%	
	Achieved	4	319	11.3%	
		5	496	17.5%	
		6	405	14.3%	
	Commended	7	297	10.5%	
		8	380	13.4%	
		9	189	6.7%	**2833**
9	Emergent	1	129	4.6%	
		2	367	13.0%	
		3	401	14.2%	
	Achieved	4	294	10.4%	
		5	474	16.8%	
		6	164	5.8%	
	Commended	7	209	7.4%	
		8	573	20.3%	
		9	210	7.4%	**2821**
10	Emergent	1	216	8.1%	
		2	319	12.0%	
		3	311	11.7%	
	Achieved	4	272	10.2%	
		5	589	22.1%	
		6	182	6.8%	
	Commended	7	266	10.0%	
		8	396	14.8%	
		9	116	4.3%	**2667**
GRAND TOTAL					**21936**

Table N-2. Florida Alternate Assessment: Performance-Level Distribution by Grade—Reading

Grade	Achievement Level	PL	N	Percent	TOTAL
3	Emergent	1	182	6.9%	
		2	291	11.1%	
		3	349	13.3%	
	Achieved	4	119	4.5%	
		5	207	7.9%	
		6	260	9.9%	
	Commended	7	167	6.3%	
		8	309	11.7%	
		9	749	28.4%	**2633**
4	Emergent	1	173	6.5%	
		2	249	9.4%	
		3	266	10.1%	
	Achieved	4	151	5.7%	
		5	222	8.4%	
		6	238	9.0%	
	Commended	7	187	7.1%	
		8	347	13.1%	
		9	810	30.6%	**2643**
5	Emergent	1	173	6.2%	
		2	209	7.5%	
		3	297	10.6%	
	Achieved	4	121	4.3%	
		5	264	9.4%	
		6	292	10.4%	
	Commended	7	346	12.4%	
		8	441	15.8%	
		9	653	23.4%	**2796**
6	Emergent	1	186	6.8%	
		2	304	11.1%	
		3	283	10.4%	
	Achieved	4	235	8.6%	
		5	188	6.9%	
		6	222	8.1%	
	Commended	7	382	14.0%	
		8	411	15.1%	
		9	518	19.0%	**2729**

continued

7	Emergent	1	139	4.9%	
		2	321	11.4%	
		3	367	13.0%	
	Achieved	4	263	9.3%	
		5	341	12.1%	
		6	240	8.5%	
	Commended	7	380	13.5%	
		8	426	15.1%	
		9	346	12.3%	**2823**
8	Emergent	1	137	4.8%	
		2	315	11.1%	
		3	385	13.6%	
	Achieved	4	228	8.0%	
		5	305	10.7%	
		6	278	9.8%	
	Commended	7	357	12.6%	
		8	442	15.6%	
		9	391	13.8%	**2838**
9	Emergent	1	135	4.8%	
		2	279	9.9%	
		3	464	16.5%	
	Achieved	4	251	8.9%	
		5	409	14.5%	
		6	244	8.7%	
	Commended	7	476	16.9%	
		8	307	10.9%	
		9	250	8.9%	**2815**
10	Emergent	1	188	7.1%	
		2	278	10.4%	
		3	341	12.8%	
	Achieved	4	182	6.8%	
		5	307	11.5%	
		6	254	9.5%	
	Commended	7	388	14.6%	
		8	440	16.5%	
		9	283	10.6%	**2661**
GRAND TOTAL					**21938**

Table N-3. Florida Alternate Assessment: Performance-Level Distribution by Grade—Science

Grade	Achievement Level	PL	N	Percent	TOTAL
5	Emergent	1	113	4.1%	
		2	207	7.5%	
		3	342	12.4%	
	Achieved	4	298	10.8%	
		5	210	7.6%	
		6	333	12.0%	
	Commended	7	313	11.3%	
		8	321	11.6%	
		9	628	22.7%	**2765**
8	Emergent	1	130	4.6%	
		2	253	9.0%	
		3	393	14.0%	
	Achieved	4	248	8.8%	
		5	295	10.5%	
		6	549	19.5%	
	Commended	7	304	10.8%	
		8	321	11.4%	
		9	324	11.5%	**2817**
11	Emergent	1	123	4.7%	
		2	192	7.3%	
		3	284	10.9%	
	Achieved	4	237	9.1%	
		5	258	9.9%	
		6	521	19.9%	
	Commended	7	295	11.3%	
		8	268	10.2%	
		9	438	16.7%	**2616**
GRAND TOTAL					**8198**

Table N-4. Florida Alternate Assessment: Performance-Level Distribution by Grade—Writing

Grade	Achievement Level	PL	N	Percent	TOTAL
4	Emergent	1	130	5.0%	
		2	198	7.5%	
		3	557	21.2%	
	Achieved	4	102	3.9%	
		5	347	13.2%	
		6	262	10.0%	
	Commended	7	339	12.9%	
		8	400	15.2%	
		9	290	11.0%	**2625**
8	Emergent	1	171	6.1%	
		2	214	7.6%	
		3	395	14.0%	
	Achieved	4	123	4.4%	
		5	248	8.8%	
		6	196	7.0%	
	Commended	7	316	11.2%	
		8	360	12.8%	
		9	789	28.1%	**2812**
10	Emergent	1	171	6.5%	
		2	247	9.4%	
		3	456	17.3%	
	Achieved	4	200	7.6%	
		5	238	9.0%	
		6	252	9.5%	
	Commended	7	358	13.6%	
		8	419	15.9%	
		9	298	11.3%	**2639**
GRAND TOTAL					**8076**