TEA UPDATE ON END-OF-COURSE ASSESSMENTS

TASA Midwinter Conference

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AGENDA

- Overview of the STAAR program
- Graduation requirements for STAAR
- Proposed testing for STAAR in spring 2012
- EOC assessments for spring 2011

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- New assessment program for
  - Grades 3–8
  - High school
- Begins in 2011–2012

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State of Texas Assessments of Academic Readiness

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- For grades 3–8, tests are in same grades and subjects as TAKS.
  - Grades 3–8 mathematics
  - Grades 3–8 reading
  - Grades 4 and 7 writing
  - Grades 5 and 8 science
  - Grade 8 social studies
- For high school, twelve end-of-course tests replace ten grade-level tests.

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- STAAR will focus on “clearer, fewer, and deeper”.
  - Provide a more clearly articulated assessment program
  - Focus on fewer skills
  - Address those skills in a deeper manner

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Development of STAAR

- **Follows the test development process posted on the TEA student assessment website**
- **Involves educators in focus groups, advisory committees, and item/data reviews**
- **Involves higher-educator faculty for EOC assessments**
- **Includes the Texas Higher Education Coordinating Board for EOC assessments**

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Development of STAAR

- Educator involvement in the test development process is critical to the process.
- Highly qualified educators are needed to serve on educator committees.
- The Educator Recommendation Form can be found on the TEA student assessment at http://ritter.tea.state.tx.us/student.assessment/develop/recform.pdf.

STAAR

Educator Advisory Committees

- Reviewed TEKS curriculum to determine what can and cannot be assessed

- Determined that the majority of the TEKS are eligible for the assessment because they can be tested

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Educator Advisory Committees

- Reviewed eligible TEKS to determine what should be the focus of the assessment; these are called Readiness Standards

- Recommended other assessed TEKS as Supporting Standards

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In general, Readiness Standards

- Are essential for success in the current grade or course
- Are important for preparedness for the next grade or course
- Support college and career readiness
- Necessitate in-depth instruction
- Address broad and deep ideas

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- **Readiness and Supporting Standards are identified in the assessed curriculum documents.**

- **These documents are posted on the TEA student assessment website at http://www.tea.state.tx.us/student.assessment/staar/.**

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Geometry Assessment—Eligible TEKS—Reporting Category 5

(G.11) **Similarity and the geometry of shape.** The student applies the concepts of similarity to justify properties of figures and solve problems. The student is expected to

(A) use and extend similarity properties and transformations to explore and justify conjectures about geometric figures; ***Supporting Standard***

(B) use ratios to solve problems involving similar figures; ***Supporting Standard***

(C) develop, apply, and justify triangle similarity relationships, such as right triangle ratios, trigonometric ratios, and Pythagorean triples using a variety of methods; and ***Readiness Standard***

(D) describe the effect on perimeter, area, and volume when one or more dimensions of a figure are changed and apply this idea in solving problems. ***Readiness Standard***

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- **Readiness Standards**
  - **Encompass 30–40% of the eligible TEKS**
  - **Will make up 60–65% of the assessment**

- **Supporting Standards**
  - **Encompass 60–70% of the eligible TEKS**
  - **Will make up 35–40% of the assessment**

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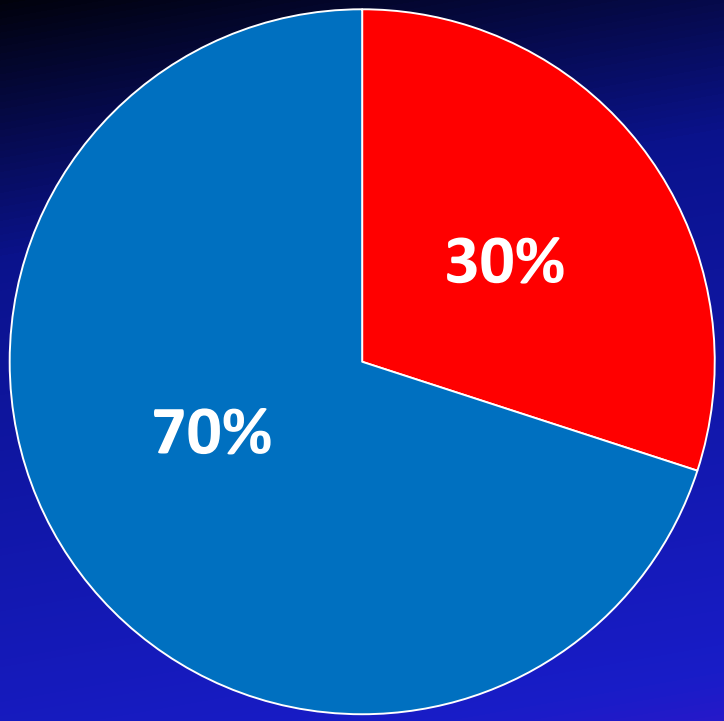
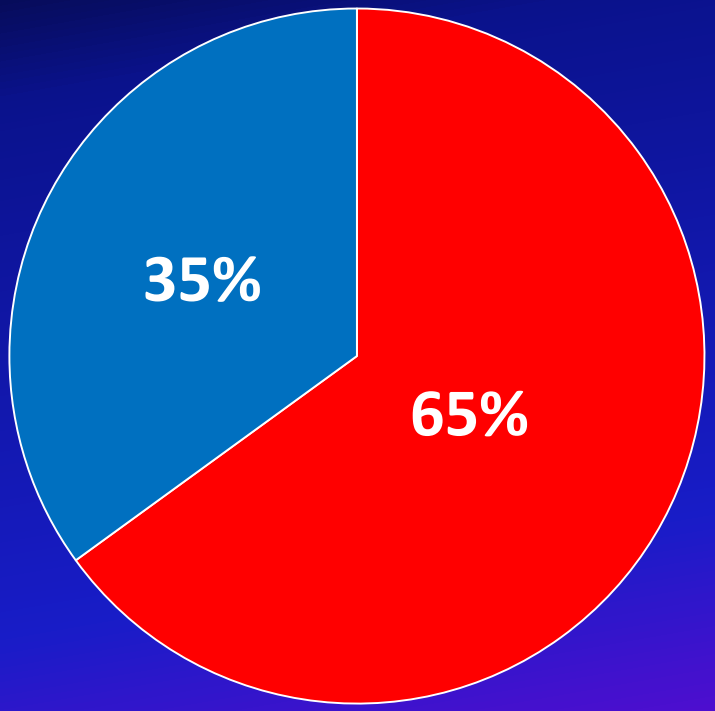
Eligible Content Standards From TEKS



- Readiness Standards
- Supporting Standards

Assessment Blueprint



- Readiness Standards
- Supporting Standards

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Physics Blueprint

Scientific Process Skills is not a separate reporting category. These skills will be incorporated into at least 40% of the test questions from reporting categories 1–4 and will be identified along with the content standards.				
Reporting Categories	**Number of Standards**		**Number of Questions**	
Reporting Category 1: Force and Motion	Readiness Standards	3	**14**	
	Supporting Standards	3		
	Total	6		
Reporting Category 2: Gravitational, Electrical, Magnetic, and Nuclear Forces	Readiness Standards	2	**12**	
	Supporting Standards	6		
	Total	8		
Reporting Category 3: Momentum and Energy	Readiness Standards	4	**12**	
	Supporting Standards	3		
	Total	7		
Reporting Category 4: Waves and Quantum Phenomena	Readiness Standards	3	**12**	
	Supporting Standards	7		
	Total	10		
Readiness Standards	**Total Number of Standards**	**12**	**60%–65%**	**30–33**
Supporting Standards	**Total Number of Standards**	**19**	**35%–40%**	**17–20**
Total Number of Questions on Test			**45 Multiple Choice 5 Griddable 50 Total**	

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- Resources available
  - Description of the new assessment model
  - Comparison of TAKS and STAAR
  - Performance labels and policy definitions
  - Assessed curriculum
  - Assessment blueprints
  - Reference materials
  - Test designs
  - Scoring rubrics
  - Assessing process skills
  - Griddable item format
- Resources still to come—sample items
- Resources are posted on the student assessment website at http://www.tea.state.tx.us/student.assessment/staar/.

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- Testing policies still being discussed
  - Accommodations
  - Time limits
  - One day administrations versus testing windows
  - Substitute assessments
  - Test release plan

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Performance Standards for EOC Assessments

- Standards will be set in February 2012 prior to first high stakes administration in spring 2012.
- First reports with performance standards applied will be available in late spring 2012.
- First retests will be offered in summer 2012.

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EOC Assessments

- **English I, English II, English III**
- **Algebra I, Geometry, Algebra II**
- **Biology, Chemistry, Physics**
- **World Geography, World History, U.S. History**

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EOC Assessments

- English III and Algebra II assessments will include a performance standard that indicates college readiness.
- Research will be conducted to investigate a college-readiness component for science and social studies EOC assessments.

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Graduation Requirements

- Freshman class of 2011–2012 is first group to have EOC assessments as part of their graduation requirement.
- This group is the current 8th graders.
- All 12 EOC assessments will be available in 2011–2012 in both online and paper modes.

STAAR

Graduation Requirements

- In order to graduate, a student must achieve a cumulative score that is at least equal to the product of the number of EOC assessments taken in that content area and a scale score that indicates satisfactory performance.
- For each of the four core content areas, the cumulative score ≥ *n* x passing scale score, where *n* = number of assessments taken.

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Graduation Requirements

- A student must achieve a minimum score, as determined by the commissioner, for the score to count towards the student's cumulative score.
- A student's cumulative score is determined using the student's highest score on each EOC assessment.

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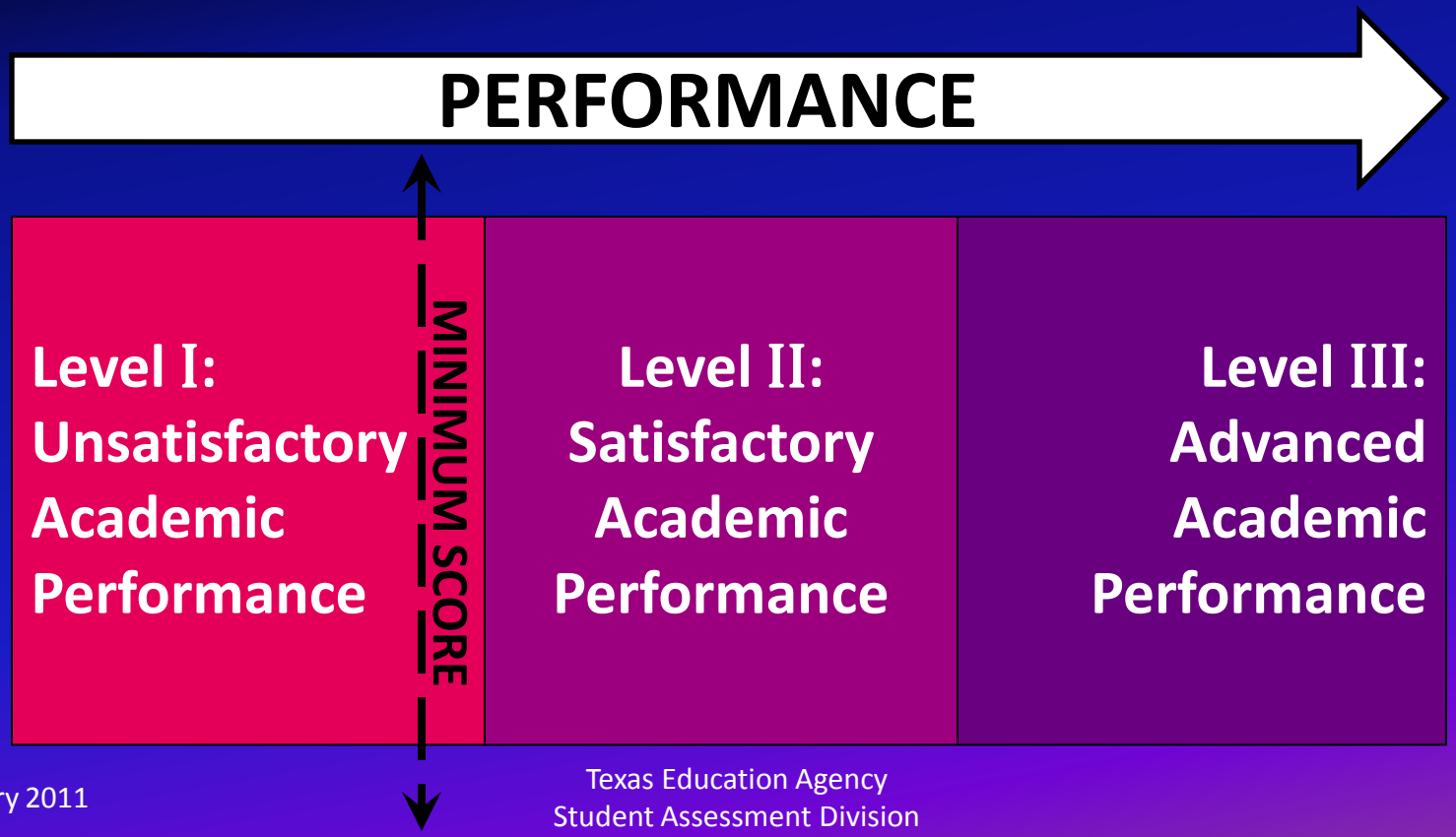
Graduation Requirements

- Students must reach at least the minimum score



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FOR EXAMPLE

Graduation Requirements

- If the passing scale score on each of the 3 science EOC assessments happens to be set at 1000, then
  - the cumulative score ≥ 3 x 1000
  - the cumulative score ≥ 3000

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FOR EXAMPLE

Graduation Requirements

- If the minimum scale score on each of the 3 science EOC assessments happens to be 900
- Then students must score at least 900 on each of the 3 science EOC assessments
- But scoring 900 on each of the 3 science EOC assessments will not meet the cumulative score requirement of 3000

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FOR EXAMPLE

Graduation Requirements

- **If a student scores**
  - **1200 on Biology**
  - **800 on Chemistry**
  - **1100 on Physics**
- **800 does not meet the minimum score requirement of 900 and cannot be used towards the cumulative score**
- **Then the student's cumulative score is 2300 which does not meet the cumulative score requirement of 3000; the student must retest in chemistry**

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FOR EXAMPLE

Graduation Requirements

- If a student scores
  - 950 on Biology
  - 1000 on Chemistry
  - 900 on Physics
- Then the student's cumulative score is 2850
- And 2850 does not meet the cumulative score requirement of 3000; therefore the student must retest

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Graduation Requirements

- For students on the <u>minimum high school program</u>, the cumulative score is based on the number of courses taken for which an EOC assessment exists.

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Graduation Requirements

- For students on the minimum high school program, the cumulative score requirement may vary by subject area from 1 to 3 required assessments.
  - 3 for English language arts (English I, English II, English III)
  - 2* for mathematics (Algebra I, Geometry)
  - 1* for science (Biology)
  - 2* for social studies (U.S. History, World Geography or World History)

*Based on minimum program requirements

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Graduation Requirements

- In addition to meeting the cumulative score requirement in each of the four core content areas, students on the <u>recommended high school program</u> have to pass EOC assessments for
  - English III
  - Algebra II

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Graduation Requirements

- In addition to meeting the cumulative score requirement in each of the four core content areas, students on the <u>distinguished achievement program</u> have to perform satisfactorily on the <u>college-readiness component</u> of the EOC assessments for
  - English III
  - Algebra II

STAAR

Graduation Requirements

- If a student does not achieve the minimum score on an EOC assessment, the student shall retake the assessment.
- If a student does not perform satisfactorily on the college-readiness component of the EOC assessments for English III or Algebra II, the student may retake the assessment.

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Graduation Requirements

- A student is not required to retake a course as a condition of retaking an EOC assessment.
- A school district shall provide accelerated instruction to each student who fails to perform satisfactorily on an EOC assessment.

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Graduation Requirements

- A student's score on an EOC assessment will be worth 15% of the student's final grade for that course.
- A school district is not required to use the student's score on subsequent administrations to determine the student's final grade for that course.

STAAR

Graduation Requirements

- **For middle school students who take a high school course (e.g., Algebra I) prior to spring 2012, TEA is considering several options.**
  - **Students would not be required to take that particular EOC assessment. Their cumulative score for that content area would decrease.**
  - **Students could choose to take that particular EOC assessment in spring 2012 or beyond. If they take the assessment, the score they receive would only be used in their cumulative score if it benefitted the students.**

STAAR

Graduation Requirements

- For freshman who complete a high school course in fall 2011 (e.g., students on an accelerated block schedule), TEA is considering several options.
  - Students would not be required to take that particular EOC assessment. Their cumulative score for that content area would decrease.
  - Students could choose to take that particular EOC assessment in spring 2012 or beyond. If they take the assessment, the score they receive would only be used in their cumulative score if it benefitted the students.

STAAR

Graduation Requirements

- **For students who are new to Texas public schools (e.g., from out-of-state, out-of-country, or private schools) and who have earned credit for a high school course that has an EOC assessment associated with it, TEA is considering several options in addition to the options that currently exist.**
  - **Students would not be required to take that particular EOC assessment. Their cumulative score for that content area would decrease.**
  - **Students could choose to take that particular EOC assessment. If they take the assessment, the score they receive would only be used in their cumulative score if it benefitted the students.**

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Graduation Requirements

- In the future, TEA is planning three administrations of EOC assessments each year for
  - Students who complete the course at different times of the year
  - Retest opportunities
- TEA is planning EOC administrations at the end of
  - Spring
  - Summer
  - Fall

TAKS to STAAR

Plan for phase-out of TAKS and phase-in of STAAR

	2010–2011	2011–2012	2012–2013	2013–2014	2014–2015	2015–2016
GR 3–8	TAKS	STAAR	STAAR	STAAR	STAAR	STAAR
GR 9	TAKS	STAAR	STAAR	STAAR	STAAR	STAAR
GR 10	TAKS	TAKS	STAAR	STAAR	STAAR	STAAR
GR 11	TAKS	TAKS	TAKS	STAAR	STAAR	STAAR
GR 12 & Out-of-School Students	TAKS	TAKS	TAKS	TAKS	STAAR or TAKS	STAAR or TAKS

STAAR

Proposed Testing in Spring 2012

- **<u>Middle school</u> students enrolled in courses for which EOC assessments exist will likely need to take both the grade-level assessment and the EOC assessment.**
- **For example, a grade 7 student enrolled in Algebra I will likely take**
  - **STAAR grade 7 writing**
  - **STAAR grade 7 reading**
  - **STAAR grade 7 mathematics**
  - **STAAR Algebra I**

STAAR

Proposed Testing in Spring 2012

- **First-time grade 9 students will need to take the following STAAR EOC assessments for courses in which they are enrolled.**
  - **English I, English II, English III**
  - **Algebra I, Geometry, Algebra II**
  - **Biology, Chemistry, Physics**
  - **World Geography, World History, U.S. History**
- **These students will not take TAKS grade 9 tests as these tests will not be available.**

STAAR

Proposed Testing in Spring 2012

- **<u>Repeating grade 9</u> students may take the following STAAR EOC assessments (online only) for courses in which they are enrolled.**
  - **Algebra I, Geometry, Algebra II**
  - **Biology, Chemistry, Physics**
  - **World Geography, World History, U.S. History**
- **Testing repeating grade 9 students with STAAR EOC assessments is a district option.**
- **These students will not take TAKS grade 9 tests as these tests will not be available.**

STAAR

Proposed Testing in Spring 2012

- **<u>Grade 10</u> students will take TAKS grade 10 tests in**
  - **English Language Arts**
  - **Mathematics**
  - **Science**
  - **Social Studies**
- **Grade 10 students may take the following STAAR EOC assessments (online only) for courses in which they are enrolled.**
  - **Algebra I, Geometry, Algebra II**
  - **Biology, Chemistry, Physics**
  - **World Geography, World History, U.S. History**
- **Testing grade 10 students with STAAR EOC assessments is a district option.**

STAAR

Proposed Testing in Spring 2012

- **<u>Grade 11</u> students will take TAKS exit level tests in**
  - **English Language Arts**
  - **Mathematics**
  - **Science**
  - **Social Studies**
- **Grade 11 students may take the following STAAR EOC assessments (online only) for courses in which they are enrolled.**
  - **Algebra I, Geometry, Algebra II**
  - **Biology, Chemistry, Physics**
  - **World Geography, World History, U.S. History**
- **Testing grade 11 students with STAAR EOC assessments is a district option.**

STAAR

Proposed Testing in Spring 2012

- **Grade 12 students will take the TAKS exit level tests for those subject areas that they have not yet passed.**
- **Grade 12 students may take the following STAAR EOC assessments (online only) for courses in which they are enrolled.**
  - **Algebra I, Geometry, Algebra II**
  - **Biology, Chemistry, Physics**
  - **World Geography, World History, U.S. History**
- **Testing grade 12 students with STAAR EOC assessments is a district option.**

Current EOC Assessments

Spring 2011 Administrations

- **Increased testing activities will provide several benefits**
  - **Ability to set performance standards prior to spring 2012**
  - **Ability to externally validate performance standards**
  - **Ability to develop and implement growth measures**

Current EOC Assessments

Spring 2011 Administrations

- **Most campuses have been assigned mandatory <u>field testing</u> in**
  - **English II (April 4–15)**
  - **English III (April 4–15)**
  - **World History (May 2–20)**
- **Includes online and paper modes**
- **No reports available to districts**

Current EOC Assessments

Spring 2011 Administrations

- **Most campuses have been assigned mandatory <u>operational testing</u> in**
  - **English I (April 4–8)**
  - **Algebra I, Geometry, and Algebra II (May 9–27)**
  - **Biology, Chemistry, and Physics (May 9–27)**
  - **World Geography and U.S. History (May 9–27)**
- **Includes online and paper modes**
- **Reports available to districts**

Current EOC Assessments

Spring 2011 Administrations

- **Within 24 hours of online testing, districts can access**
  - **Confidential Student Reports**
  - **Confidential List of Student Results**
- **As soon as possible after paper testing, districts can access**
  - **Confidential Student Reports**
  - **Confidential List of Student Results**

Current EOC Assessments

Spring 2011 Administrations

- **Data files are available in summer**
  - **Overall raw score**
  - **Performance by reporting category**
- **Summary reports are available in summer**
  - **Overall raw score frequency distribution**
  - **Reporting category raw score frequency distribution**
  - **Cumulative raw score frequency distribution**

Current EOC Assessments

- **Statewide summary reports for 2008–2010 are available on the TEA student assessment website at http://www.tea.state.tx.us/index3.aspx?id=5155&menu_id=793.**
- **Statewide summary reports include "All Students"; this refers only to those students who participated in the EOC assessments.**

Current EOC Assessments

How Are We Doing?

2009	Total Number of Questions	Mean Raw Score	Mean Percent Correct	Number Tested	Pass Rate if Standard = 70% of Items Correct
ALGEBRA I	50	32	64%	78,419	45%
GEOMETRY	44	23	52%	47,271	29%
BIOLOGY	54	33	61%	58,041	40%
CHEMISTRY	50	28	56%	36,696	25%
U.S. HISTORY	68	36	53%	22,710	23%

Current EOC Assessments
How Are We Doing?

2010	Total Number of Questions	Mean Raw Score	Mean Percent Correct	Number Tested	Pass Rate if Standard = 70% of Items Correct
ALGEBRA I	50	31	62%	101,887	45%
GEOMETRY	44	23	52%	137,617	23%
BIOLOGY	54	31	57%	152,247	32%
CHEMISTRY	50	23	46%	129,070	13%
PHYSICS	48	28	58%	25,241	29%
WORLD GEOGRAPHY	68	37	54%	89,314	27%
U.S. HISTORY	68	37	54%	37,349	25%

For More Information…

- **Look at the House Bill 3 Transition Plan at http://www.tea.state.tx.us/student.assessment/hb3plan/**
- **Sign-up for the listserv at http://miller.tea.state.tx.us/list/index.html**
- **Contact us by e-mail at student.assessment@tea.state.tx.us**
- **Contact us by phone at 512-463-9536**

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