



TEA STUDENT ASSESSMENT MATHEMATICS UPDATE

TASM Meeting—February 19, 2010

Julie Guthrie, Director of Mathematics & Science Assessments

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TAKS Vertical Scale

- In 2007 SB 1031 required TEA to develop a vertical scale in grades 3–8 for mathematics and reading
- For spring 2010 student achievement will be reported on the vertical scale for grades 3–8 mathematics and reading

Mathematics Performance Standards

Performance Standard	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
English Met Standard	500	554	603	637	670	700
English Commended	640	698	738	783	823	850
Spanish Met Standard	503	555	627	N/A	N/A	N/A
Spanish Commended	649	692	755	N/A	N/A	N/A

- For more information on the TAKS vertical scale for grades 3–8 mathematics and reading go to the TEA Student Assessment Vertical Scale website
- http://www.tea.state.tx.us/index3.aspx?id=3818&menu_id3=793

Texas Projection Measure (TPM)

- A measure of annual student improvement is required by SB 1031, HB 1, and NCLB
- TPM is reported for each subject as a “Yes” or “No,” indicating whether the student is projected to meet the standard in that subject at the next high-stakes grade

Texas Projection Measure (TPM)

Current Grade	Projection Grade
3	5
4	5*
5	8
6	8
7	8
8	11
9	11
10	11
11	N/A

*Grade 4 writing is projected to grade 7 writing.

Texas Projection Measure (TPM)

- More information on the Texas Growth Proposal can be found at http://www.tea.state.tx.us/index3.aspx?id=3688&menu_id3=793
- An explanation of student results with TPM can be found at http://www.tea.state.tx.us/index3.aspx?id=6410&menu_id3=793



New STAAR Program for Grades 3–8 and High School

- **STAAR—State of Texas Assessments of Academic Readiness**
- **Begins in 2011–2012**

New STAAR Program for Grades 3–8 and High School

- **Must be linked to college readiness**
- **Will have “clearer, fewer, deeper” focus**
 - **Provide a more clearly articulated assessment program**
 - **Focuses on fewer skills**
 - **Addresses those skills in a deeper manner**

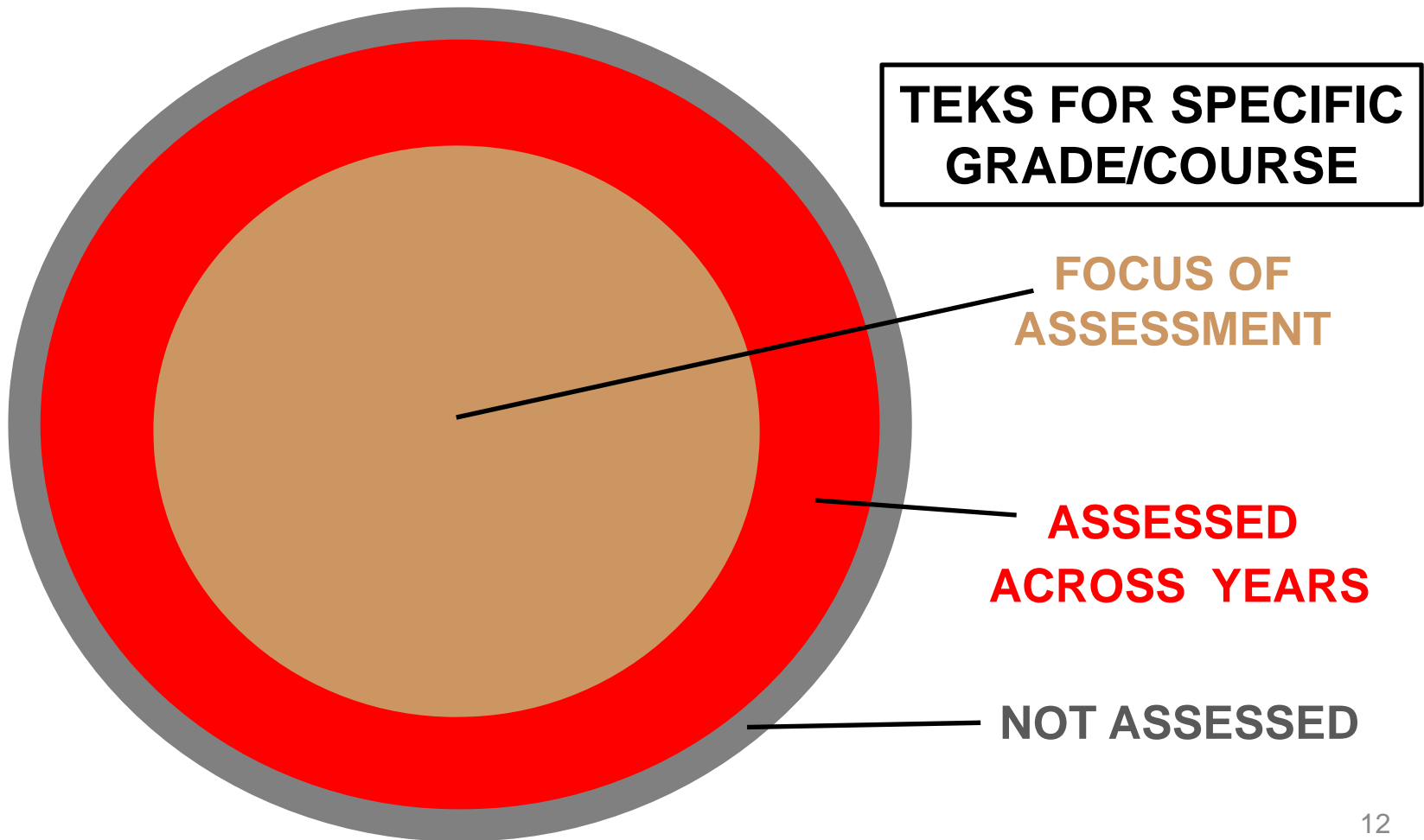
New STAAR Program for Grades 3–8 and High School

- **Convening educator advisory committees currently**
- **Review curriculum to determine what should be eligible for assessment**
- **Review assessed curriculum to determine what should be the focus of the assessment**

New STAAR Program for Grades 3–8 and High School

- **Focus on the knowledge and skills that are considered “non-negotiable” for success in that grade/course and are important for preparedness in the next grade/course**
- **Focus on these specific knowledge and skills each year with others rotating into the assessments across years**

New STAAR Program for Grades 3–8 and High School





New STAAR Program for Grades 3–8 and High School

- **New assessment blueprints**
- **New reference materials**
- **New information booklets**

New STAAR Program for Grades 3–8 and High School

Setting performance standards

- **Standards for EOC assessments planned for fall 2011**
- **Standards for grades 3–8 assessments planned for fall 2012**

Your Input Is Needed

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

- **Current legislation requires the phase out of high school TAKS and replaces it with EOC assessments in**
 - **English I, English II, English III**
 - **Algebra I, Geometry, Algebra II**
 - **U.S. History, World History, World Geography**
 - **Biology, Chemistry, Physics**

- **Freshman class of 2011–2012 is first group to have EOC as a graduation requirement**
- **That is the current 7th graders**
- **All 12 EOC assessments will be available in 2011–2012**

EOC Assessments

Plan for phase-out of HS TAKS and phase-in of EOC assessments

	2009–2010	2010–2011	2011–2012	2012–2013	2013–2014	2014–2015
GR 9	TAKS	TAKS	EOC	EOC	EOC	EOC
GR 10	TAKS	TAKS	TAKS	EOC	EOC	EOC
GR 11	TAKS	TAKS	TAKS	TAKS	EOC	EOC
GR 12	TAKS*	TAKS*	TAKS*	TAKS*	TAKS*	EOC or TAKS*

*Out-of-school testers and 12th grade re-testers

- **Algebra I**
 - **First tested in 1995**
 - **Available in current form since 2005**
- **Geometry**
 - **Field tested in spring 2007**
 - **First operational test in spring 2008**
- **Algebra II**
 - **Field test scheduled for spring 2010**
 - **First operational test scheduled for spring 2011**

2010 Algebra I EOC Assessment

- **Operational (May 10–28)**
- **Voluntary for everyone**
- **Online only**

2010 Geometry EOC Assessment

- **Operational (May 10–28)**
- **Mandatory for those districts selected; districts were assigned either paper or online**
- **Voluntary for everyone else; districts can choose paper, online, or combination**

2010 Algebra II EOC Assessment

- **Stand alone field test (May 3–21)**
- **Mandatory for those districts selected; districts were assigned either paper or online**
- **Voluntary for everyone else; districts can choose paper, online, or combination**

Districts may volunteer for field tests and operational tests (online or paper when available) at the

- **student**
- **teacher**
- **campus**
- **or district level**

For operational assessments

- **Within 24 hours of online testing, districts can access**
 - Confidential Student Report
 - Confidential List of Student Results

- **As soon as possible after paper testing, districts can access**
 - Confidential Student Report
 - Confidential List of Student Results

For operational assessments

- **Data files available in summer**
 - Overall raw score
 - Performance by objective

- **Summary reports available in summer**
 - Overall raw score frequency distribution
 - Objective level raw score frequency distribution
 - Cumulative raw score frequency distribution

Algebra I EOC Assessment Performance

YEAR	MET STANDARD	COMMENDED PERFORMANCE	NUMBER TESTED
2005	49%	6%	20,844
2006	50%	7%	21,206
2007	53%	8%	32,812
2008	56%	11%	52,462
2009	57%	11%	78,419

2009 Algebra I Results

- **Total number of questions—50**
- **Mean raw score—32**
- **Mean percent correct—64%**



TEXAS EDUCATION AGENCY

Current EOC Assessments

2009 Geometry Results

- **Total number of questions—44**
- **Mean raw score—23**
- **Mean percent correct—52%**



If You Need More Information ...

- SIGN-UP FOR THE LIST SERVE AT www.tea.state.tx.us/list/
- CONTACT US BY PHONE AT 512.463.9536
- CONTACT US BY E-MAIL AT Math.test@tea.state.tx.us

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