




TEA STAAR MATHEMATICS UPDATE

Julie Guthrie, Director, Mathematics and Science Assessments

Lenny Sanchez, Manager, Mathematics Assessments

February 2016



- ❑ Spring 2016 STAAR Administrations
- ❑ STAAR Performance Standards
- ❑ STAAR Process Codes
- ❑ Other Updates

SPRING 2016 STAAR ADMINISTRATIONS

Spring 2016 STAAR Administrations

- March 29–April 1
 - Grades 4 and 7 writing
 - Grades 5 and 8 mathematics
 - Grades 5 and 8 reading
 - English I and II

- May 2–6
 - Algebra I
 - Biology
 - U.S. History

Spring 2016 STAAR Administrations

- May 9–13
 - Grades 3, 4, 6 and 7 mathematics
 - Grades 5 and 8 mathematics retest
 - Grades 3, 4, 6, and 7 reading
 - Grades 5 and 8 reading retest
 - Grades 5 and 8 science
 - Grade 8 social studies
 - English III
 - Algebra II

Spring 2016 STAAR Administrations

- STAAR assessments for grades 3–8 will not have embedded field-test questions.
 - The tests will be shorter this year.
 - There will be only one form.
- Embedding field-test questions in STAAR grades 3–8 assessments will resume next year, 2016–2017.
- STAAR EOC assessments will continue to have embedded field-test questions in spring 2016.

STAAR Standardized Oral Administration (SOA)

For spring 2016, TEA will offer STAAR SOA for students who meet the eligibility requirements.

- Grade 3 math and reading
- Grade 4 math and reading
- Grade 5 science
- Grade 6 math and reading
- Grade 7 math and reading
- Grade 8 science and social studies

Student Success Initiative (SSI)

- SSI promotion requirements apply to student taking STAAR (including STAAR Spanish, STAAR L, and STAAR A) grade 5 or 8 mathematics and/or reading assessments if
 - The students are enrolled in grade 5 or 8 and
 - Are receiving on-grade-level instruction in mathematics and/or reading.

- STAAR grade 5 and 8 mathematics is scheduled for
 - Tuesday, March 29, 2016
 - Monday, May 9, 2016
 - Tuesday, June 21, 2016

2016 STAAR Mathematics Administrations

- STAAR assessments for grades 3–8 mathematics will fully align to the TEKS adopted by the SBOE in April 2012 and implemented in the 2014–2015 school year.
- STAAR Algebra I and II assessments will align to the TEKS adopted by the SBOE in April 2012 and implemented in the 2015–2016 school year.
 - Only the “overlap” curriculum will be used for scoring purposes.
 - New skills will be addressed in field-test questions (not used for scoring purposes).

STAAR Algebra II

Based on TEC 39.0238, STAAR Algebra II

- Will be administered on a voluntary basis at the district's option to all students in the district enrolled in the course.
- Will measure postsecondary readiness.
- Is not required for high school graduation.

STAAR Algebra II

Based on TEC 39.0238, STAAR Algebra II

- Cannot be used for accountability.
- Cannot be used for the purpose of teacher evaluations.
- Cannot be used in determining a student's final course grade or class rank.
- Cannot be used for college admission purposes.

STAAR Algebra II

STAAR Algebra II

- Is offered once per year.
- Is scheduled for Wednesday, May 11, 2016.
- Is available both on paper and online.
- Is available in braille and large print.
- Can be used to satisfy TSI requirements.

STAAR PERFORMANCE STANDARDS

STAAR Performance Standards

- The phase-in of STAAR performance standards was adjusted by Commissioner Williams in October 2015.
- This adjusted phase-in plan, which increases performance standards annually in small increments, was adopted into Texas Administrative Code (TAC §101.3041).
- The phase-in performance standards are posted on the STAAR performance standards webpage at
 - [STAAR 3–8 Performance Standards Chart](#)
 - [STAAR EOC Performance Standards Chart](#)

STAAR Grades 3–8 Performance Standards

The STAAR (including STAAR Spanish, STAAR L, and STAAR A) Level II passing standards for the 2015–2016 school year are

- Grade 3 math: 1360
- Grade 4 math: 1467
- Grade 5 math: 1500
- Grade 6 math: 1536
- Grade 7 math: 1575
- Grade 8 math: 1595

STAAR EOC Performance Standards

- The standard in place when a student first takes a STAAR EOC assessment is the standard that will be maintained on all STAAR EOC assessments throughout the student's high school career.
- Students who first took a STAAR EOC assessment between spring 2012 and summer 2015 are at the phase-in 1 performance standard.
 - Level II passing standard for Algebra I: 3500
- Students who first took a STAAR EOC assessment in fall 2015 through summer 2016 are at the 2015–2016 phase-in performance standard.
 - Level II passing standard for Algebra I: 3550

STAAR PROCESS CODES

STAAR Math Process Codes

- The mathematical process standards have been part of the TEKS in K–8 since 1997 and now have been added to the TEKS for high school courses.
- The seven process standards are identical across grades and courses within the mathematics TEKS and are listed as the first knowledge statement.
- The application of mathematical process standards is part of each knowledge and skills statement in the mathematics TEKS.

STAAR Math Process Codes

- A. Apply mathematics to problems arising in everyday life ...
- B. Use a problem-solving model that incorporates analyzing given information ...
- C. Select tools ... to solve problems
- D. Communicate mathematical ideas ... using multiple representations
- E. Create and use representations ...
- F. Analyze mathematical relationships to connect and communicate mathematical ideas
- G. Display, explain, and justify mathematical ideas and arguments ...

STAAR Math Process Codes

- For STAAR mathematics, each test question is written to address a single content standard. Students are scored on the content standard being assessed.
- In addition to testing a content standard, math test questions can be associated with multiple process standards.
- Process standards will be reported only for informational purposes. They do not contribute to a student's score.
- For more information on how process codes are incorporated into the STAAR program go to [Assessing Process Skills](#).

OTHER UPDATES



Testing Requirements

- Based on federal requirements, students are to be tested annually in mathematics in grades 3–8 and once in high school.
- This means that each student enrolled in grades 3–8 should have a math score for federal accountability purposes.
- If a student is receiving accelerated instruction in mathematics, the student should take the assessment that best matches his/her instruction. If such an assessment does not exist, then the student should take their grade-level assessment.

Testing Requirements

- Middle school students who are receiving instruction in Algebra I should take the STAAR Algebra I assessment.
 - The results of the STAAR Algebra I assessment can be used to fulfill high school graduation requirements.
 - TEA discourages double testing these students (i.e., giving the student the Algebra I assessment and the grade-level assessment).

Testing Requirements

- Middle school students who are receiving instruction in a course above Algebra I, for example geometry, do not have an assessment option that matches their instruction.
- Middle school students who are receiving instruction in a course above Algebra I, for example Algebra II, do not have an assessment that can be used for federal accountability to fulfill the testing requirement.
- Because both of these groups of students are required to have a math score for federal accountability purposes, they take their grade-level assessment.

Calculator Policy

- Calculators are required for the following STAAR assessments, including STAAR L and STAAR A.
 - Grade 8 mathematics
 - Algebra I
 - Algebra II
 - Biology
- Districts can now satisfy the calculator requirement by providing students with either a handheld calculator or a calculator application available on a tablet.
- More information is available at [Calculator Policy](#).

Assessment Materials

- The following assessment materials are available on the TEA Student Assessment website.
 - STAAR Test Administrator Manuals
 - STAAR tutorials for online administrations
 - 2016–2017 Student Assessment Testing Calendar

- The following assessment materials will be posted soon on the TEA Student Assessment website.
 - STAAR practice tests for online administrations
 - Oral/Signed Administration Guidelines
 - Student Success Initiative Manual

Release of STAAR Tests

TEA will release the following spring 2016 STAAR, STAAR Spanish, STAAR L, and STAAR A assessments in August 2016.

- Grade 3
- Grade 4
- Grade 5 (March version for math and reading)
- Grade 6
- Grade 7
- Grade 8 (March version for math and reading)
- Algebra I (May version)
- English I (March version)
- English II (March version)
- Biology (May version)
- U.S. History (May version)

Questions?

Call TEA Student Assessment Division at 512-463-9536.

Email TEA Student Assessment Division at student.assessment@tea.texas.gov.

Email the Math Assessment Team at math.test@tea.texas.gov.

- Julie Guthrie, Director
- Lenny Sanchez, Manager
- Carrie Alexander
- Donna Fontenot
- Karen Grad
- Anne Nappa
- Erik Pinter