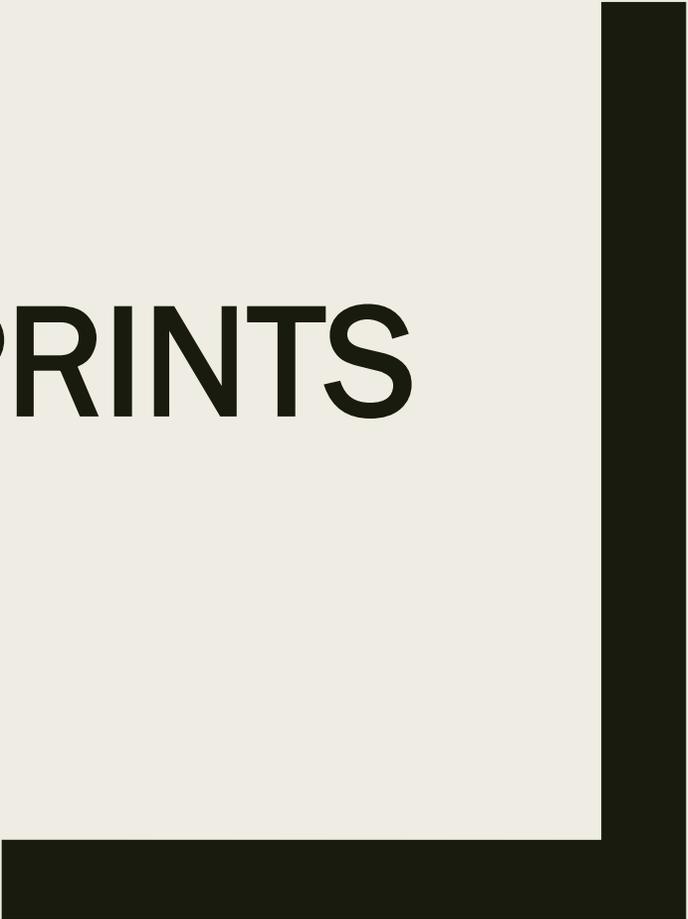




REDUCED STAAR TEST BLUEPRINTS

Texas Education Agency
Student Assessment Division
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- ❑ Overview of Changes
- ❑ Specific Changes for Each Content Area
- ❑ Questions?

OVERVIEW OF CHANGES

Requirements of House Bill 743

- House Bill 743 added §39.023 (a-12) to the Texas Education Code.
- It requires the STAAR assessments to be designed so that
 - *85% of students can complete the grades 3–5 assessments in 2 hours*
 - *85% of students can complete the grades 6–8 assessments in 3 hours*

Requirements of House Bill 743

To meet the requirements of House Bill 743, TEA took into consideration

- Testing time data collected from the spring 2015 administrations
- Testing time data collected from the spring 2016 administrations
- Time allotted to test for grades 3–8 in some other states
- Advice from our Technical Advisory Committee
- Projected reliability estimates

Requirements of House Bill 743

- The tests were shortened to the minimum number of questions per test to maintain the necessary reliability projections and ensure the assessments are valid and reliable.
- State law, §39.0304, requires the state assessments to be valid and reliable.
- Federal law, Section 1111(b)(3)(C)(iii), also requires the state assessments to be valid and reliable.

What Is Valid and Reliable?

- Reliability indicates the precision of test scores, which also reflects the consistency of test results across testing conditions.
- Validity refers to the extent to which test scores can be interpreted as indicators of what the test is intended to measure.

What Reliability Data Was Considered?

- The concept of reliability is based on the idea that repeated administrations of the same test should generate consistent results.
- The degree to which results are consistent is assessed using a reliability coefficient.
- Reliability is a critical technical characteristic of any measurement instrument because unreliable scores cannot be interpreted in a meaningful way.

What Reliability Data Was Considered?

- Reliability coefficients based on one test administration are known as internal consistency measures because they measure the consistency with which students respond to the questions within the test.
- As a general rule, reliability coefficients
 - *from 0.70 to 0.79 are considered adequate*
 - *from 0.80 to 0.89 are considered good*
 - *at 0.90 or above are considered excellent*

What Reliability Data Was Considered?

- Reliability coefficients for the STAAR grades 3–8 assessments administered in 2015 before the blueprint changes were good to excellent ranging from 0.87 to 0.92.
- Projections of reliability coefficients for the STAAR grades 3–8 assessments to be administered in 2017 with the blueprint changes are adequate to excellent ranging from 0.77 to 0.90.

What Reliability Data Was Considered?

STAAR ASSESSMENT	GR 3 MATH	GR 4 MATH	GR 5 MATH	GR 6 MATH	GR 7 MATH	GR 8 MATH	GR 3 READING	GR 4 READING	GR 5 READING	GR 6 READING	GR7 READING	GR 8 READING	GR 4 WRITING	GR 7 WRITING	GR 5 SCIENCE	GR 8 SCIENCE	GR 8 SOCIAL STUDIES
RELIABILITY COEFFICIENT IN 2015	0.92	0.91	0.92	0.92	0.92	0.90	0.89	0.91	0.91	0.91	0.90	0.91	0.87	0.90	0.88	0.90	0.90
PROJECTED RELIABILITY COEFFICIENT IN 2017	0.88	0.88	0.90	0.90	0.89	0.88	0.87	0.89	0.90	0.89	0.89	0.87	0.77	0.84	0.86	0.88	0.88

Overview of the Changes

- The STAAR grades 3–8 assessments were shortened by 5 to 14 questions per test.
- The decrease in the number of test questions was spread proportionally across the reporting categories for each test.
- Students in grades 3–8 still have up to 4 hours to test.
- Also, the number of field-test questions was decreased from 8 to 6 questions in
 - *mathematics*
 - *reading*
 - *science*
 - *social studies*

Overview of the Changes

- The construct of what is assessed has not changed since the blueprints reduction for STAAR grades 3–8 assessments was applied proportionally across each test.

- Therefore, there is no need to change
 - *the assessed curriculum*
 - *the readiness versus supporting designations*
 - *the performance standards*
 - *the scale scores*
 - *the score interpretations*

- However, the raw score for each test will change since there are fewer questions.

SPECIFIC CHANGES FOR EACH CONTENT AREA

SPECIFIC CHANGES TO STAAR GRADES 3-8 READING

Specific Changes for Reading

- The STAAR grade 3 reading assessment was shortened by 6 questions.
- The STAAR grades 4–8 reading assessments were shortened by 8 questions each.
- The number of field-test questions was decreased from 8 to 6 questions.
- There is no change to the
 - *assessed curriculum*
 - *number of passages*
 - *word count per assessment*

Specific Changes for Reading

STAAR ASSESSMENT	GR 3 READING		GR 4 READING		GR 5 READING		GR 6 READING		GR 7 READING		GR 8 READING	
BLUEPRINT	2015	2017	2015	2017	2015	2017	2015	2017	2015	2017	2015	2017
REPORTING CATEGORY 1	6	5	10	8	10	8	10	8	10	8	10	8
REPORTING CATEGORY 2	18	15	18	15	19	16	20	17	21	18	22	19
REPORTING CATEGORY 3	16	14	16	13	17	14	18	15	19	16	20	17
TOTAL NUMBER OF QUESTIONS	40	34	44	36	46	38	48	40	50	42	52	44

SPECIFIC CHANGES TO STAAR GRADES 4 AND 7 WRITING

Specific Changes for Grade 4 Writing

- The STAAR grade 4 writing assessment was shortened by a total of 4 multiple-choice questions and 1 written composition.
- The number of written compositions decreased by 1 (from 2 to 1).
- The number of multiple-choice questions decreased by 4 (from 28 to 24).
- The test was changed from a two-day test to a one-day test.
- The number of field-test questions was not changed; there will continue to be 5.
- There is no change to the assessed curriculum

Specific Changes for Grade 7 Writing

- The STAAR grade 7 writing assessment was shortened by a total of 10 multiple-choice questions and 1 written composition.
- The number of written compositions decreased by 1 (from 2 to 1).
- The number of multiple-choice questions decreased by 10 (from 40 to 30).
- The test was changed from a two-day test to a one-day test.
- The number of field-test questions was not changed; there will continue to be 6.
- There is no change to the assessed curriculum

Specific Changes for Writing

STAAR ASSESSMENT	GR 4 WRITING		GR 7 WRITING	
BLUEPRINT	2015	2017	2015	2017
REPORTING CATEGORY 1 Written Composition	2	1	2	1
REPORTING CATEGORY 2	9	8	16	13
REPORTING CATEGORY 3	19	16	24	17
TOTAL NUMBER OF QUESTIONS	30 2 compositions 28 multiple-choice	25 1 composition 24 multiple-choice	42 2 compositions 40 multiple-choice	31 1 composition 30 multiple-choice

SPECIFIC CHANGES TO STAAR GRADE 8 SOCIAL STUDIES

Specific Changes for Social Studies

- The STAAR grade 8 social studies assessment was shortened by 8 questions.
- The number of field-test questions was decreased from 8 to 6 questions.
- There is no change to the assessed curriculum.
- There is no change to the STAAR U.S. history assessment.

Specific Changes for Social Studies

STAAR ASSESSMENT	GR 8 SOCIAL STUDIES	
BLUEPRINT	2015	2017
REPORTING CATEGORY 1	20	17
REPORTING CATEGORY 2	12	10
REPORTING CATEGORY 3	12	10
REPORTING CATEGORY 4	8	7
TOTAL NUMBER OF QUESTIONS	52	44

SPECIFIC CHANGES TO STAAR GRADES 5 AND 8 SCIENCE

Specific Changes for Grade 5 Science

- The STAAR grade 5 science assessment was shortened by 8 total questions (from 44 to 36).
- The number of multiple-choice questions has been decreased by 7 questions (from 43 to 36).
- The number of griddable questions has been decreased by 1 question (from 1 to 0).
 - *This test will no longer include griddable questions.*
 - *All questions will be multiple-choice questions.*
- The number of field-test questions has been decreased by 2 questions (from 8 to 6).
- There is no change to the assessed curriculum.

Specific Changes for Grade 8 Science

- The STAAR grade 8 science assessment was shortened by 12 total questions (from 54 to 42) .
- The number of multiple-choice questions has been decreased by 10 questions (from 50 to 40).
- The number of griddable questions has been decreased by 2 questions (from 4 to 2).
- The number of field-test questions has been decreased by 2 questions (from 8 to 6).
- There is no change to the assessed curriculum.
- There is no change to the STAAR biology assessment.

Specific Changes for Science

STAAR ASSESSMENT	GR 5 SCIENCE		GR 8 SCIENCE	
BLUEPRINT	2015	2017	2015	2017
REPORTING CATEGORY 1	8	6	14	11
REPORTING CATEGORY 2	10	8	12	9
REPORTING CATEGORY 3	12	10	14	11
REPORTING CATEGORY 4	14	12	14	11
TOTAL NUMBER OF QUESTIONS	44	36	54	42

SPECIFIC CHANGES TO STAAR GRADES 3–8 MATH

Specific Changes for Mathematics

- The STAAR grades 3–8 math assessments were shortened by 14 questions each.
- The number of field-test questions was decreased from 8 to 6 questions.
- There is no change to the number of griddable questions.
- There is no change to the assessed curriculum.
- There is no change to the STAAR Algebra I or II assessments.

Specific Changes for Math

STAAR ASSESSMENT	GR 3 MATH		GR 4 MATH		GR 5 MATH		GR 6 MATH		GR 7 MATH		GR 8 MATH	
BLUEPRINT	2015	2017	2015	2017	2015	2017	2015	2017	2015	2017	2015	2017
REPORTING CATEGORY 1	12	8	12	9	8	6	14	10	9	6	5	4
REPORTING CATEGORY 2	18	13	16	11	24	17	20	15	20	15	22	16
REPORTING CATEGORY 3	10	7	15	10	12	9	8	6	16	12	20	15
REPORTING CATEGORY 4	6	4	5	4	6	4	10	7	9	7	9	7
TOTAL NUMBER OF QUESTIONS	46	32	48	34	50	36	52	38	54	40	56	42

QUESTIONS?

Questions?

- This PowerPoint presentation will be posted on Student Assessment Training Resources webpage at <http://tea.texas.gov/student.assessment/training/>.
- The communication announcing the adjustments to the STAAR blueprints is posted on the Student Assessment Correspondence with Districts webpage at <http://tea.texas.gov/student.assessment/correspondence/>.
- The updated blueprints are posted on the STAAR Resources webpage at <http://tea.texas.gov/student.assessment/staar/>.