



# STAAR Redesign Updates for Math, Science, and Social Studies

## Agenda:

- STAAR Redesign Overview
  - Test Design and Item Updates
- Science Update
- Social Studies Update
- Math Update

# The STAAR redesign has four components that will make STAAR align more closely with classroom instruction



## Transition to online assessments

Allows students to receive accommodations like they get in the classroom and provides faster results to support accelerated learning.



## Addition of new item types

New, non-multiple-choice questions are more like the kind teachers ask in class and give students more ways to show understanding.



## Incorporation of cross-curricular passages in RLA

Reading comprehension test questions reference topics that students have learned about in other classes.



## Inclusion of writing on all RLA assessments

Combined reading and writing tests better support the interconnected way these subjects are taught.

# TEA has worked with stakeholders on these changes since SY 2020-21 and will fully implement the STAAR redesign in SY 2022-23

SY 2020-21		SY 2021-22	SY 2022-23
	<b>Transition to online</b>	<ul style="list-style-type: none"> <li>• Transition to Online Assessments Feasibility Study</li> </ul>	 <p>Full implementation of STAAR Redesign</p>
	<b>New item types</b>	<ul style="list-style-type: none"> <li>• Transition to online testing guide for districts</li> <li>• Matching grant for infrastructure</li> <li>• Special administration of online assessment policy</li> </ul>	
	<b>New item types</b>	<ul style="list-style-type: none"> <li>• Educator focus groups</li> <li>• Cognitive labs to study how students interact with proposed item types</li> <li>• Sample new item types</li> </ul>	
	<b>New item types</b>	<ul style="list-style-type: none"> <li>• Stand-alone field testing</li> <li>• Continued educator engagement</li> <li>• Blueprints and more sample new item types within online platform</li> </ul>	
	<b>Cross-curricular passages</b>	<ul style="list-style-type: none"> <li>• Develop and identify informational texts that include cross-curricular content covered in other subjects</li> </ul>	
	<b>Writing in RLA</b>	<ul style="list-style-type: none"> <li>• Multiple choice writing items field-tested in Spring RLA tests at all grade levels</li> </ul>	
		<ul style="list-style-type: none"> <li>• Increased number of informational texts will have cross-curricular links</li> </ul>	
		<ul style="list-style-type: none"> <li>• G4 and G7 Writing eliminated</li> <li>• Continue field-testing multiple-choice writing items in RLA tests</li> </ul>	



## Test Design and Item Updates

## Adding new, non-multiple-choice questions can give students more ways to show understanding and look more like questions teachers ask in class

TEA has worked closely with educators to determine which new question types best support students

**600** educators participated in focus groups on new question types

**92%** of educators agree that the new question types allow students to better demonstrate their knowledge.

**89%** of educators believe that the new question types are more engaging for students

**80%+** of educators agree that new question types will impact instructional planning

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**Short constructed response** – Student provides a written response (e.g., one or more sentences)

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**Text entry** – Student enters a numeric quantity, a word, or a phrase

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**Graphing** – Student plots a function on a coordinate grid using a dynamic tool

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**Multipart (evidence-based selected responses or EBSR)** – Student provides a response and a justification for the response.

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**Drag and drop** – Student selects and drags text or an object to a different location

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**Hot spot** – Student selects one or more areas of a graphic image

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**Hot text** – Student highlights text from a given passage

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**Inline choice** – Student chooses from a drop-down list of options

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**Multiselect** – Student must select more than one correct response

# How does this impact test design?

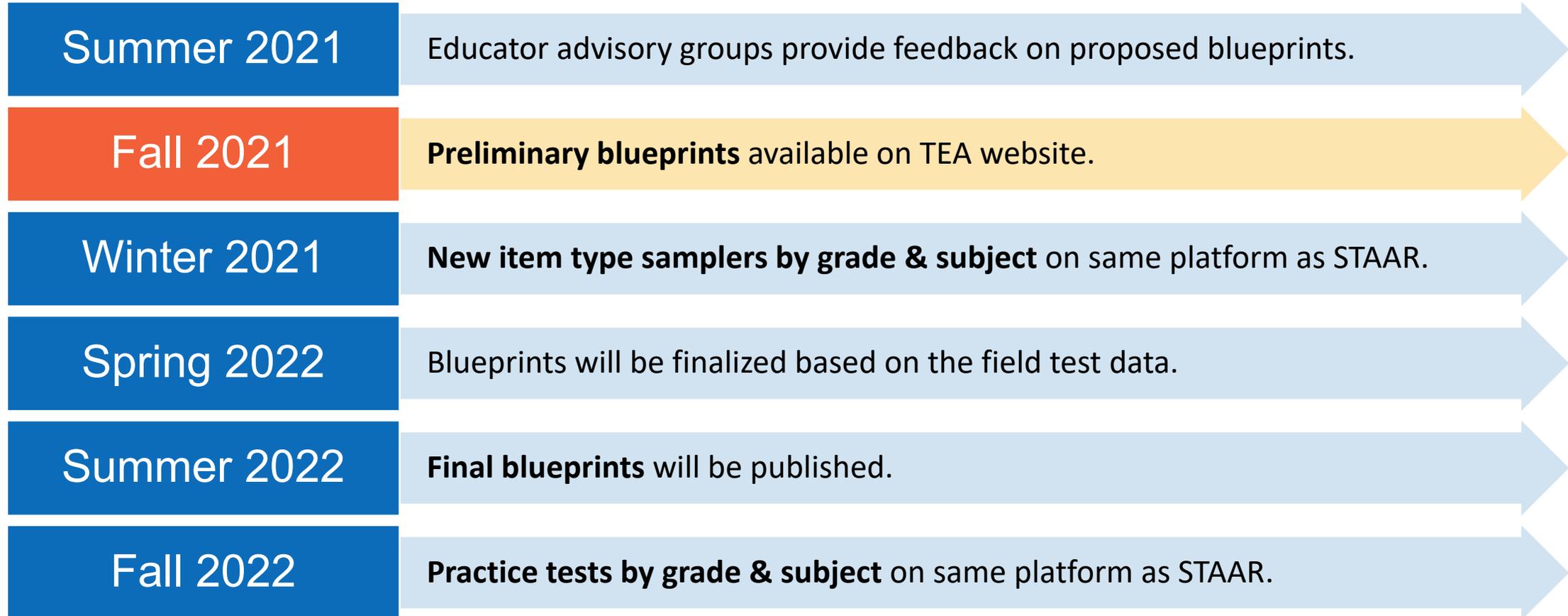
How do these new item types affect the amount of time needed to take the test?



Will there be fewer items on the test?

Will students receive more time to take the test?

# Test design and new item type resources will be available to support educators



# Our current blueprints provide high level information on the test design

Reporting categories, which organize SEs into meaningful groups by content or skill

Number of readiness and supporting standards per reporting category

**STAAR Grade 5 Science Blueprint**

Scientific Investigation and Reasoning 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: Matter and Energy	Readiness Standards	1	6	
	Supporting Standards	3		
	Total	4		
Reporting Category 2: Force, Motion, and Energy	Readiness Standards	3	8	
	Supporting Standards	2		
	Total	5		
Reporting Category 3: Earth and Space	Readiness Standards	3	10	
	Supporting Standards	10		
	Total	13		
Reporting Category 4: Organisms and Environments	Readiness Standards	4	12	
	Supporting Standards	4		
	Total	8		
<b>Readiness Standards</b>	<b>Total Number of Standards</b>	<b>11</b>	<b>60%-65%</b>	<b>22-24</b>
<b>Supporting Standards</b>	<b>Total Number of Standards</b>	<b>19</b>	<b>35%-40%</b>	<b>12-14</b>
<b>Total Number of Questions on Test</b>			<b>36 Multiple Choice</b>	

Total number of questions per reporting category

Number and percent of questions that are readiness and supporting

# The updated STAAR redesign blueprints include additional information about points

**Preliminary STAAR Grade 5 Science Blueprint  
Effective as of Academic Year 2022-23\***

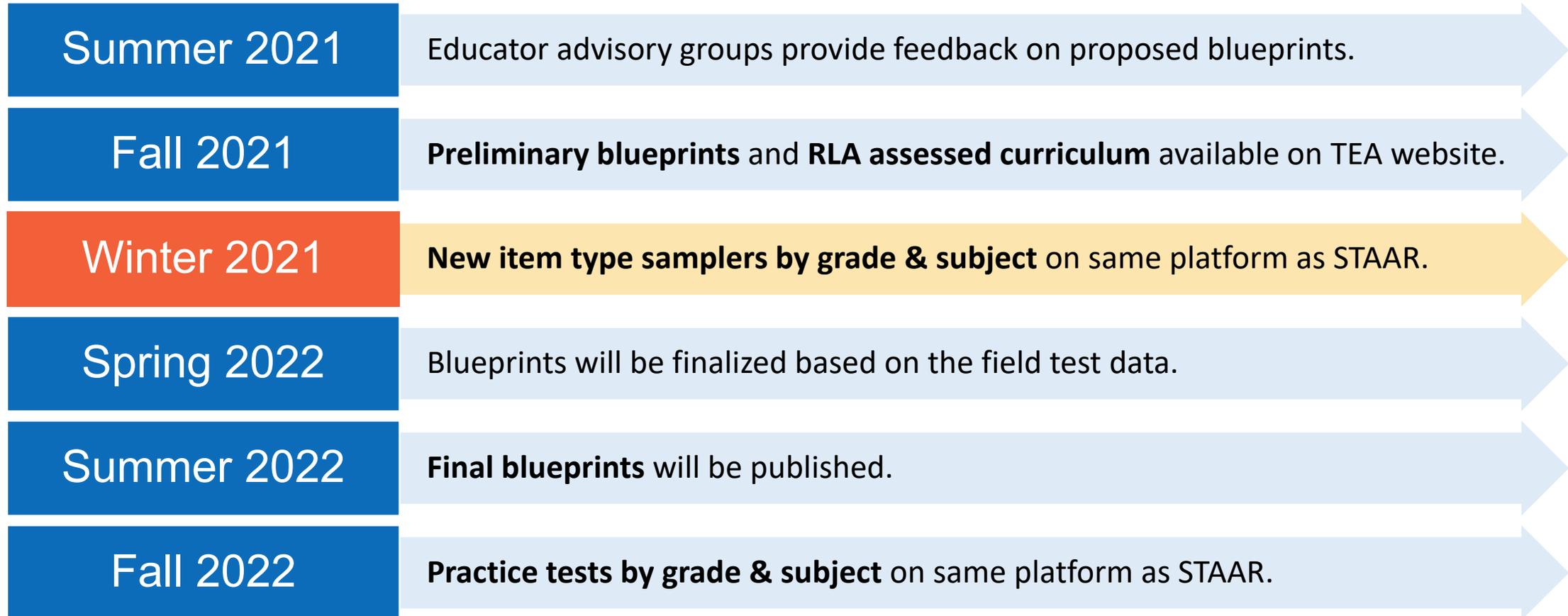
Reporting Categories	Number of Standards		Number of Questions	Number of Points	
Reporting Category 1: Matter and Energy	Readiness	1	4-6	5-8	
	Supporting	3			
Reporting Category 2: Force, Motion, and Energy	Readiness	3	6-8	7-10	
	Supporting	2			
Reporting Category 3: Earth and Space	Readiness	3	8-10	9-13	
	Supporting	10			
Reporting Category 4: Organisms and Environments	Readiness	4	10-12	11-15	
	Supporting	4			
Readiness Standards	Total	11		60-65%	23-25
Supporting Standards	Total	19		35-40%	14-16
1-point questions (multiple-choice and non-multiple-choice items)			25	25	
2-point questions (non-multiple-choice items)			7	14	
<b>Total</b>			<b>32</b>	<b>39</b>	

The number of points per reporting category

The number of 1-point and 2-point questions

2023 preliminary blueprints are available on the [STAAR redesign webpage](#) on the TEA website.

# Detailed information and resources about new item types will be available in winter





Science

# Status and Timelines for TEKS Review

Grade/Course	Status	Implementation
Biology, IPC, Chemistry, Physics	Adopted November 2020	2023-2024*
Aquatic Science, Astronomy, Earth Systems Science, Environmental Systems	Adopted June 2021	2024-2025
Specialized Topics in Science	Adopted June 2021	2022-2023
Kindergarten-grade 8	First Reading, September 2021 Second Reading and Final Adoption, November 2021	2024-2025

\* SBOE is expected to revise to 2024-2025

# Specialized Topics in Science



## Science TEKS Review

The course is designed to give students the opportunity to:

- develop greater understanding of science content beyond other TEKS-based science courses,
- utilize science and engineering practices, and
- understand the value and role of curiosity in any discipline of science.

The specialized topic of study may originate from:

- local or global phenomena,
- student interest, or
- teacher specialties.

SBOE adopted an earlier implementation for this course, 2022-2023.

# Science TEKS Review Update

## Expected Timeline for Science TEKS and Instructional Materials

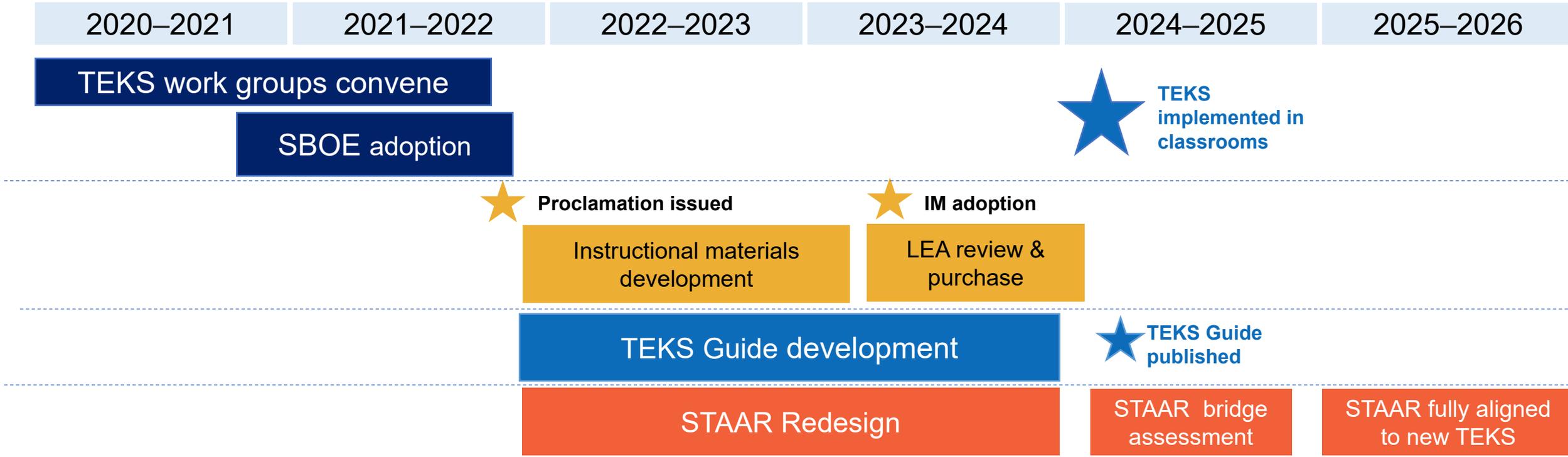
**November 2021:** Second reading and final adoption , K–8

**November 2021:** *Proclamation 2024* issued for K–12

**Summer 2023:** K–12 instructional materials reviewed

**2024-2025 School Year:** Revised K–12 science TEKS implemented

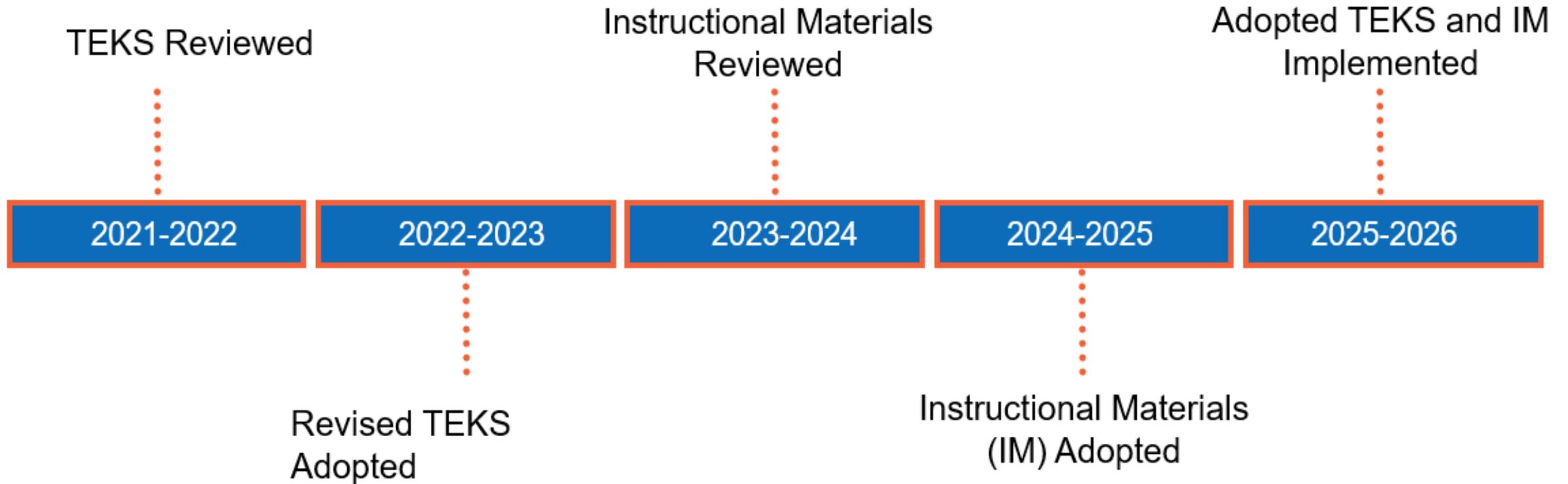
# Timeline for TEKS Adoption & Related Activities



A photograph of several students walking on a wide staircase in a school hallway. The students are wearing backpacks and casual clothing. One student in the foreground is wearing a red hoodie with 'TIGERS' written on it. The background shows large windows and a modern building structure.

# Social Studies

# Social Studies TEKS Review and Revision



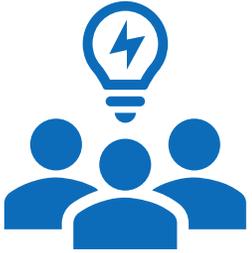
# Social Studies TEKS Revision Work Groups



Throughout the TEKS revision process, applications are submitted to the State Board of Education (SBOE) for their review and approval. TEA then builds work groups from the pool of approved applicants.

- Members will be expected to complete an online orientation session prior to their work group meeting.
- Members may be asked to complete pre-work exercises prior to their meeting.
- Members may be asked to provide invited testimony at SBOE meetings.

# Applying to Serve on TEKS Work Groups



The SBOE is now accepting applications to serve on social studies TEKS review work groups. The SBOE's TEKS review and revision process calls for multiple, separate work groups. Applicants do not need to be educators to apply. Please enter information in the application that best reflects your experience. A link is provided below to the application.

[https://tea.co1.qualtrics.com/jfe/form/SV\\_39LY0ZqSaPRQO6a](https://tea.co1.qualtrics.com/jfe/form/SV_39LY0ZqSaPRQO6a)

Questions related to the application for the social studies TEKS review and revision process can be directed to [teks@tea.texas.gov](mailto:teks@tea.texas.gov).



# Mathematics

# Calculators in the New Online Platform

Beginning in the 2021-2022 school year, students will have the option to use either Desmos or Texas Instruments (TI-84 Plus CE) as their embedded calculator.

Grade 8 Math and Algebra I online tests will include both Desmos and TI as the graphing calculator options.

Students may choose to use a handheld calculator even if they are using one of the embedded calculators.

The four-function calculator will remain available for students in grades 3-7 who are eligible to use a calculation device.

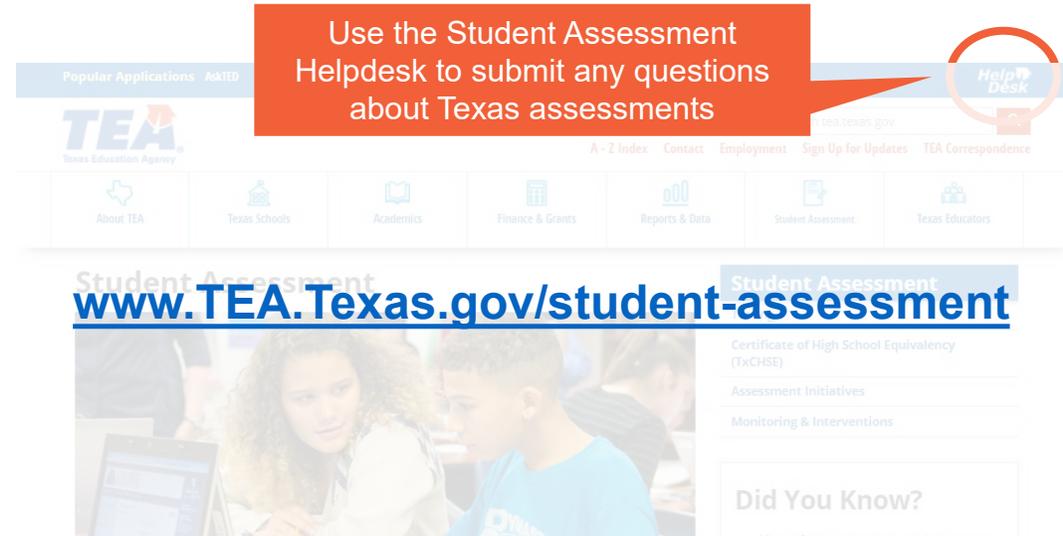
The grade 8 science and Biology online tests will include the four-function calculator and the scientific calculator as the embedded calculator.



# Assessment resources and other helpful links can be found on the two pages linked below



- Access to all systems used for testing (e.g. TIDE, TDS, CRS, etc.)
- Access to trainings housed in the learning management system (LMS)
- District and Campus Coordinator Resources
- Practice and released tests
- Family portal for parents to view student scores and custom resources for their child



- General information about the Texas assessment program
- Information related to the STAAR redesign
- Information about TEA's optional assessment programs, including STAAR Interim Assessments and the Texas Formative Assessment Resource (TFAR)

# Texas educators are key to designing and building high quality assessments

Classroom teachers, instructional coaches, campus and district content specialists, and campus administrators can serve in a variety of ways:

- **Educator passage review** – each potential passage for the RLA test is reviewed and approved by a committee of Texas educators
- **Educator item review** – each potential question for a state test is reviewed and approved by a committee of Texas educators
- **Constructed response rangefinding** – educators are convened to set the scoring boundaries for student essays based on the rubric
- **Subject-area advisory groups** – groups of educators are convened to provide feedback on subject-area-specific topics
- **STAAR redesign focus groups** – groups of educators are convened to provide input on components of the STAAR redesign that are under consideration

Visit the [Texas Assessment Learning Management System](#) to apply

## Contact information

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Please submit any additional questions about this presentation via the [Student Assessment Help Desk](#).

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