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**MASTERS
GRADE LEVEL**



**MEETS
GRADE LEVEL**

5TH GRADE SCIENCE MASTERY & STAAR® READINESS

BUILT FOR THE 2024–2025 TRANSITION TEKS

- Optimize science STAAR® outcomes with a full-length practice test and Personalized Learning Plan
- Achieve a Domain 1 (science component) score of 60%+ (A rating)
- Deliver whole-class, small-group, and individual practice and review
- Guide students through a rigorous 5-step STAAR® review sequence

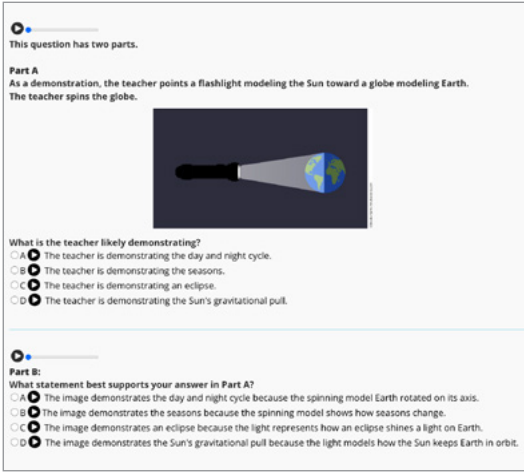


*For full details visit summitk12.com/guarantee-information

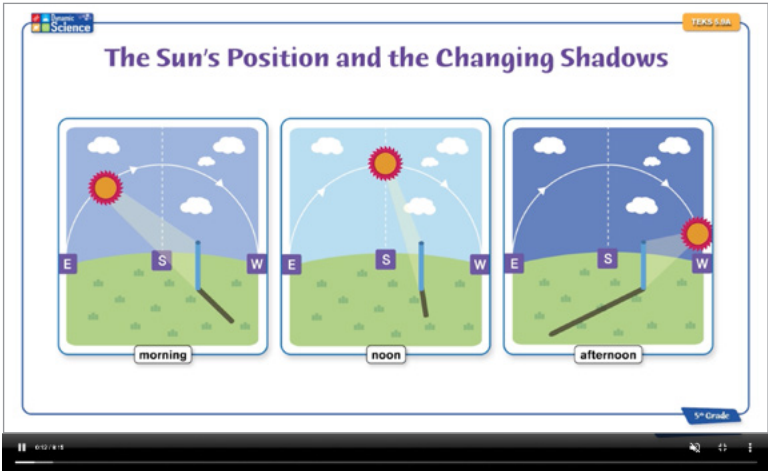
RIGOROUS 5-STEP STAAR® REVIEW SEQUENCE



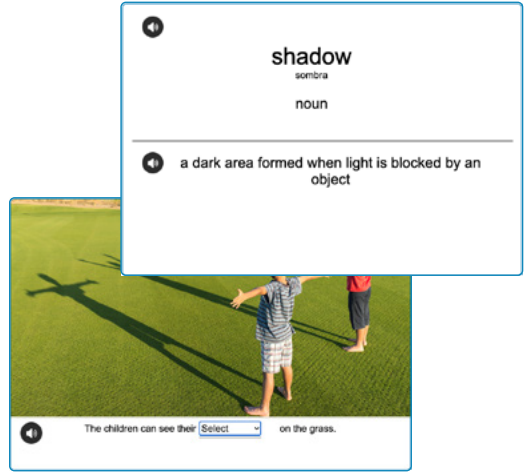
STEP 1:
CONCEPT REVIEW



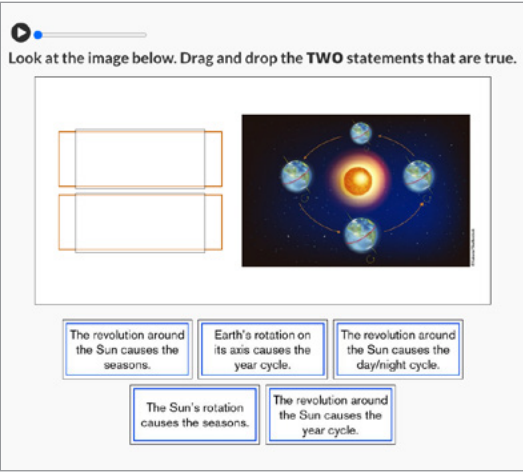
STEP 2:
STAAR® ASSESSMENT 1



STEP 3:
TEKS INSTRUCTIONAL VIDEO



STEP 4:
VOCABULARY REVIEW



STEP 5:
STAAR® ASSESSMENT 2

TEKS		Lesson Name	Assessment 1	Video	Vocabulary Review	Assessment 2
5.9A		Sun, Earth, Moon System	Start	Start	Start	Start
4.9A		Patterns of Seasons	Start	Start	Start	Start
4.9B		Appearance of the Moon	Start	Start	Start	Start

READINESS

Sun, Earth, Moon System

TEKS 5.9A

morning → noon → evening

east → south → west

The Sun appears to move in the sky, but it is Earth's rotation that causes the apparent movement.

axis

day

night

rotate

Earth makes one complete rotation every 24 hours. The day and night cycle is caused by Earth's rotation on its axis.

apparent motion

axis

day/night cycle

rotate

shadow

The length and location of an object's shadow will change based on the time of day.

5th Grade

SCAFFOLDS

Patterns of Seasons

TEKS 4.9A

A season is one of the four periods into which the year is divided; marked by different weather patterns and amount of daylight.

spring

summer

autumn

winter

The seasons are caused by the tilt of the Earth's axis and its revolution around the Sun.

The sequence is the order in which events occur.

daylight

revolution

seasons

sequence

The seasons cause predictable patterns in the temperature and length of daylight.

4th Grade

SCAFFOLDS

Appearance of the Moon

TEKS 4.9B

The appearance of the Moon, the way someone or something looks, follows a sequence that allows you to predict patterns of change as you observe the Moon from Earth.

Lunar Cycle

The repetitive and apparent changing shape of the Moon as it orbits Earth.

Phase

The apparent shape of the Moon caused by the amount of reflected light visible to an observer

New Moon

Full Moon

lunar cycle

appearance

Full Moon





New Moon

phase

4th Grade

PERSONALIZED LEARNING PLANS

After students take the full-length STAAR® practice test, a Personalized Learning Plan (PLP) will be generated to target each student's unique needs. The PLP automatically generates assignments from lowest to highest percent mastery, starting with readiness and followed by supporting TEKS.

TEKS	Description	Assessment 1	Concept Review	Vocabulary Boosters	Assessment 2
5.8B	Electric Circuits	71%	✓	95%	66%
 4.8B	Conductors and Insulators	57%	✓	85%	77%
 4.8C	Electrical Energy	68%	✓	95%	75%
5.10A	Water Cycle and Weather	53%	✓	82%	69%
5.12B	Changes in Ecosystems	32%	✓	81%	28%
 4.12B	Food Webs	79%	✓	94%	92%
 3.12B	Changes in a Food Chain	☉ Start	☉ Start	☉ Start	☉ Start
5.7A	Nature of Forces	☉ Start	☉ Start	☉ Start	☉ Start
5.7B	Effects of Forces	☉ Start	☉ Start	☉ Start	☉ Start
5.10B	Sedimentary Rocks and Fossil Fuels	☉ Start	☉ Start	☉ Start	☉ Start

 = Scaffolds

SE PERFORMANCE REPORT

Helps guide which TEKS to prioritize during STAAR® tutorials.

RC	TEKS	Type	Description	STAAR Practice Test
1	5.6A	R	Compare and Contrast Physical Properties of Matter	52%
1	5.6B	S	Mixtures Maintain Physical Properties	60%
1	5.6C	S	Solutions	71%
1	3.6C	S	Heating and Cooling Matter	85%
2	5.7B	S	Effects of Forces	63%
2	5.8B	R	Electric Circuits	65%
2	5.8C	R	Light	76%
2	3.7B	S	Changing Position and Motion	92%
3	5.9A	R	Sun, Earth, Moon System	25%
3	5.10A	S	Water Cycle and Weather	44%
3	5.10B	R	Sedimentary Rocks and Fossil Fuels	54%
3	5.10C	R	Formation of Landforms	58%
3	4.9A	S	Patterns of Seasons	66%