

### SUPER STAAR ACTIVITY BOARD

<input type="checkbox"/> 5.6A Properties of a Penny 	<input type="checkbox"/> 5.8B Closed Circuits 	<input type="checkbox"/> 5.8C Reflect, Refract, or Absorb? 
<input type="checkbox"/> 5.9 Day and Night 	<input type="checkbox"/> 5.10B Sedimentary Rocks & Fossil Fuels 	<input checked="" type="checkbox"/> 5.10C Changing Landforms 
<input type="checkbox"/> 5.12A Systems 	<input type="checkbox"/> 5.12B Food Webs 	<input type="checkbox"/> 5.13A Structures and Functions 

### CHANGING LANDFORMS

5.10C

model and identify how changes to Earth's surface by wind, water, or ice result in the formation of landforms, including deltas, canyons, and sand dunes.

Fill in the blanks to complete the passage.

Weathering is the breaking down of rocks on Earth's surface. Erosion moves sediments from one place to another. Deposition occurs when sediments are dropped off in a new place. The three main causes of weathering, erosion, and deposition are wind, water, and ice.

**Activity**  
Use the activity cards to match the landforms with the process that most likely formed each landform. Write the process that formed each landform in the chart below.

Landform	Process that Formed the Landform
canyon	formed when a river weathers rock and erodes the sediments
wide valley	formed by a glacier moving slowly over land
mesa	formed by rain and wind weathering away sediments from a rock in the desert
delta	formed when sediment is deposited at the mouth of a river
cliff	formed by waves crashing against rock over a long period of time
sand dune	formed when wind blows sand in a new place

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# 2025 STAAR GUIDE



## 5th Grade Science TEKS

# 2025 Science STAAR Prep

Hello!

Thank you so much for downloading this 2-week review planning guide. I aim to make test prep as simple as possible!

If you followed the Science Penguin Full-Year Planning Guide, you have already:

- ✓ taught all tested content
- ✓ reviewed tested content from previous grade levels
- ✓ practiced all types of STAAR questions with Boom Cards, Google Forms, and Test Prep Task Cards
- ✓ improved students' writing, reasoning, and science skills
- ✓ utilized various materials to meet individual needs
- ✓ reviewed content all year with Spiral Review

In the STAAR Planning Guide, we will:

- ✓ follow TEA's [2024-2025 Assessed Curriculum](#)
- ✓ use fresh resources that were not key components of the Full-Year Planning Guide

Please remember this is a planning *guide*. I don't know your students like you do. Trust yourself to decide what is best for your students!

Ari Mosquera  
Owner, The Science Penguin

# 2025 STAAR Tested TEKS

## 5<sup>th</sup> Grade TEKS

The 5<sup>th</sup>-grade standards listed below are eligible for the 2025 Science STAAR. The full-year planning guide thoroughly addressed these standards with phenomenon-based units.

### 5.6A

compare and contrast matter based on measurable, testable, or observable physical properties, including mass, magnetism, relative density (sinking and floating using water as a reference point), physical state (solid, liquid, gas), solubility in water, and the ability to conduct or insulate thermal energy and electric energy

### 5.6B

demonstrate that some mixtures maintain physical properties of their substances such as iron filings and sand or sand and water

### 5.6C

compare the properties of substances before and after they are combined into a solution

### 5.7B

design a simple experimental investigation that tests the effect of force on an object

### 5.8B

demonstrate that electrical energy in complete circuits can be transformed into light, sound, or thermal energy

### 5.8C

demonstrate how light travels in a straight line and can be reflected or refracted

### 5.9

demonstrate that Earth rotates on its axis once approximately every 24 hours and explain how that causes the day/night cycle and the appearance of the Sun moving across the sky

### 5.10A

explain how the Sun and the ocean interact in the water cycle

### 5.10B

model and describe the processes that led to the formation of sedimentary rocks and fossil fuels

### 5.10C

model and identify how changes to Earth's surface by wind, water, or ice result in the formation of landforms, including deltas, canyons, and sand dunes

### 5.12A

observe how a variety of organisms survive by interacting with biotic and abiotic factors in a healthy ecosystem

### 5.13A

analyze the structures and functions of different species to identify how organisms survive in the same environment

# 2025 STAAR Tested TEKS

## 3<sup>rd</sup> + 4<sup>th</sup> Grade TEKS

The standards listed below are eligible for the 2025 Science STAAR. We included these standards throughout the full-year planning guide to ensure they were taught and reviewed during the school year.

### 3.6C

predict, observe, and record changes in the state of matter caused by heating or cooling in a variety of substances such as ice becoming liquid water, condensation forming on the outside of a glass, or liquid water being heated to the point of becoming water vapor (gas)

### 3.7B

demonstrate how position and motion can be changed by pushing and pulling objects such as swings, balls, and wagons

### 3.9B

identify the order of the planets in Earth's solar system in relation to the Sun

### 4.9A

collect and analyze data to identify sequences and predict patterns of change in seasons

### 4.9B

collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon from Earth

### 3.10C

model and describe rapid changes in Earth's surface such as volcanic eruptions, earthquakes, and landslides

### 4.10A

describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process

### 4.10C

differentiate between weather and climate

### 4.11A

identify Earth's renewable and nonrenewable natural resources such as wind, water, sunlight, plants, animals, coal, oil, and natural gas

### 3.12D

identify fossils as evidence of past living organisms and environments

### 4.12C

identify and describe past environments based on fossil evidence

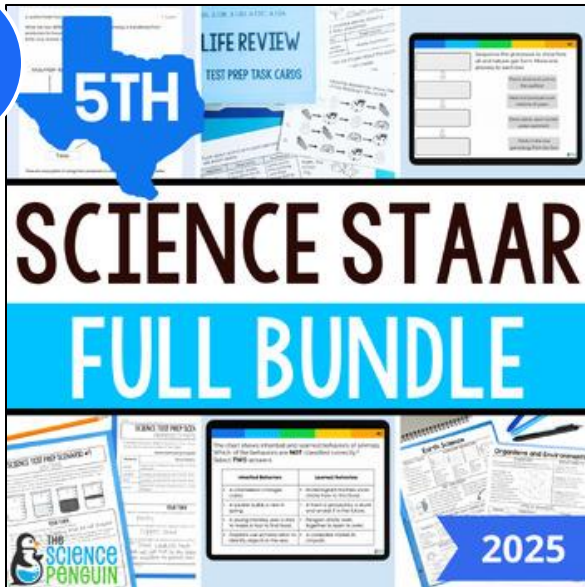
### 3.13B

explore and compare life cycles in organisms such as beetles, crickets, radishes, or lima beans

# Product Recommendations

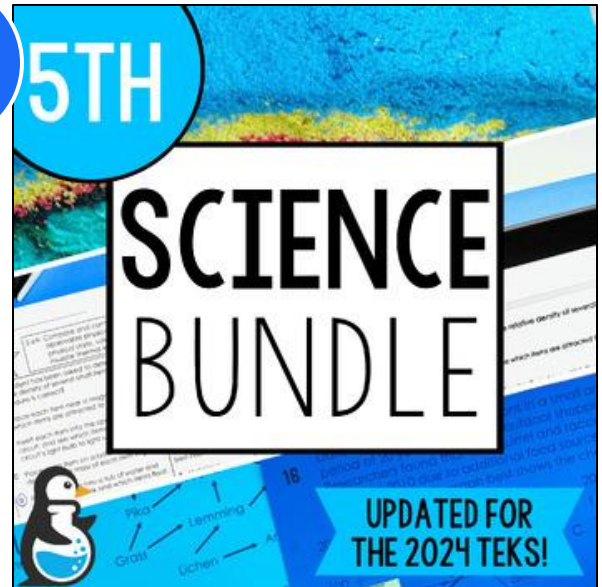
You have 3 purchasing options for perfect test prep!

1



Contains test prep resources specific to STAAR readiness

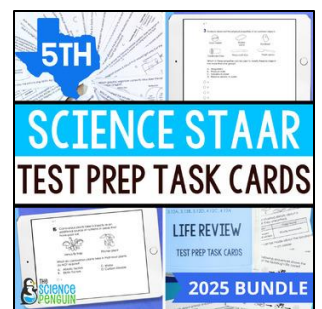
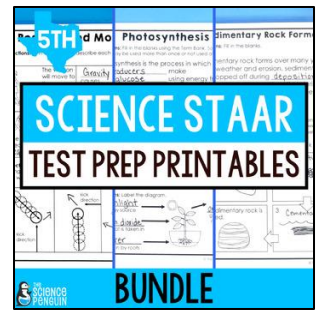
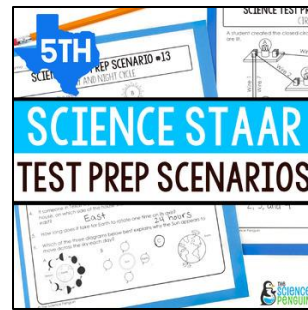
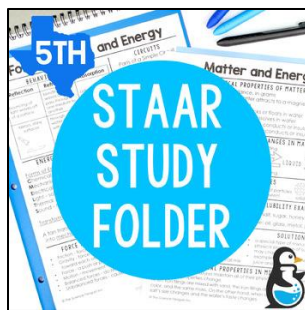
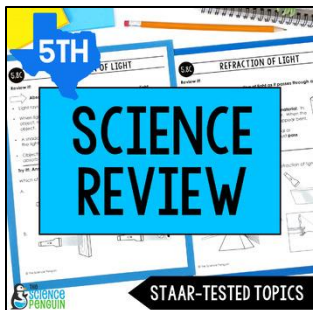
2



Contains the STAAR bundle and teaching resources for a whole year

3

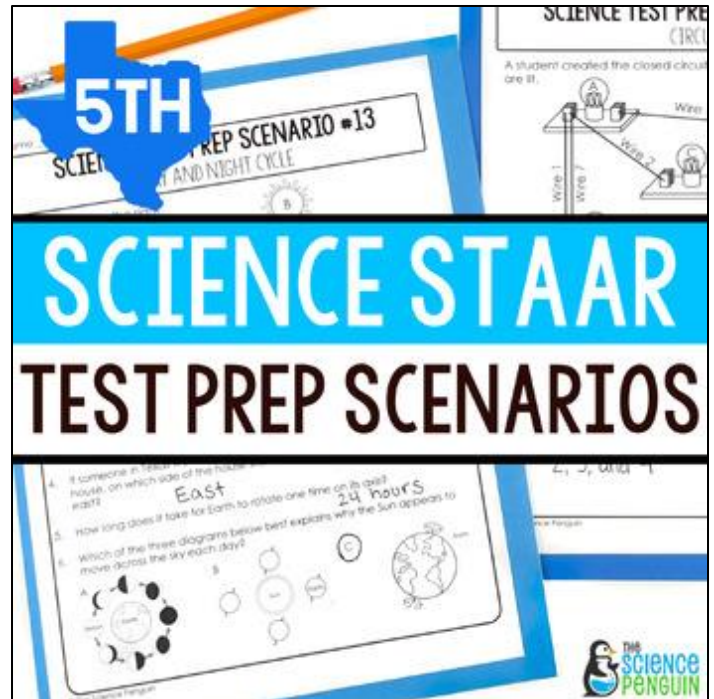
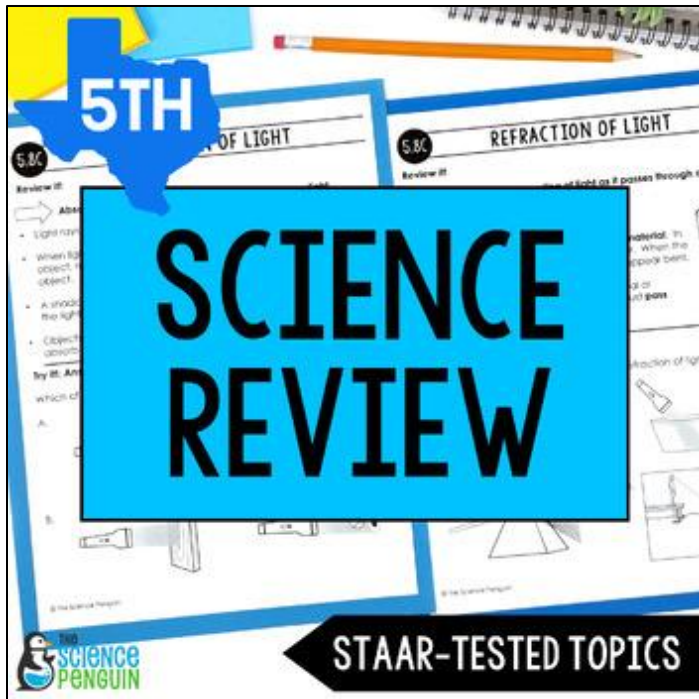
You can purchase resources individually.



# Individualized Review

**Use individual student data to guide your review outside of class!**

Print or digitally assign the topics each student needs to review for homework, during your intervention time, or as morning work.



# 10 Days to STAAR

**This warm-up is essential to Science STAAR success!**

This warm-up in Google Forms contains 10 questions per day for 10 days.

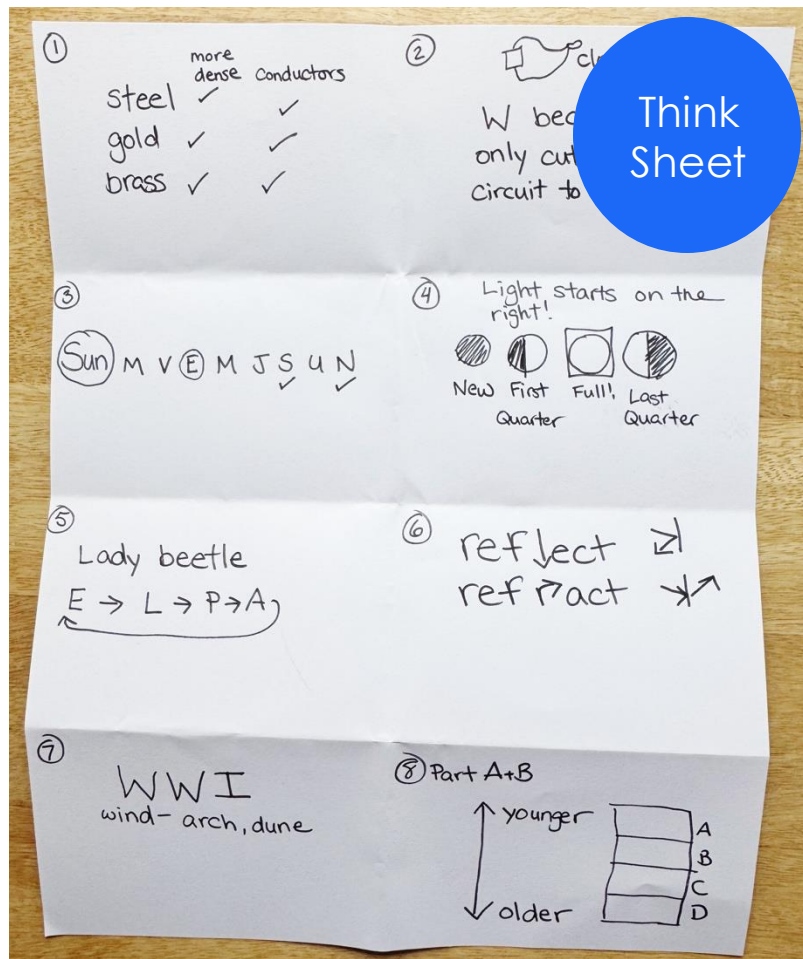
Each day includes:

- 5 multiple-choice questions
- 2 multiselect questions
- 1 multipart question (2 questions with 1 stimulus)
- 1 SCR question

As students answer the questions in Google Forms, I recommend having them complete a Think Sheet.

A Think Sheet is a sheet of paper folded into eights on which students jot down notes to help answer the question.

A sample Think Sheet is shown on the right.



# Day 1

**Warm-up**  
25 minutes

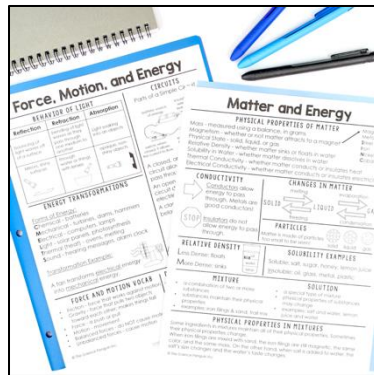
10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets. See details on the previous page.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

STAAR Study Folder and SCR Detectives

- Set up a STAAR Study Folder for each student. This is a reference tool and includes information that students should memorize.
- SCR Detectives Day 1: Use the slides to teach students how to analyze and answer SCR questions.



**Sorting Game**  
20 minutes

Properties of Matter Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.



# Day 2

**Warm-up**  
25 minutes

10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

SCR Detectives Day 2

- Use the slides to teach students how to analyze and answer SCR questions.



**Today we will:**


- **Debrief the facts about SCR questions**
- **Investigate and score responses to a sample SCR with a partner**
- **Practice answering and scoring an SCR with a partner**

**Sorting Game**  
20 minutes

Solution or Not a Solution Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 3

<p><b>Warm-up</b> 25 minutes</p>	<p>10 Days to Science STAAR</p> <ul style="list-style-type: none"><li>• Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.</li><li>• Go over the answers to clear up misconceptions.</li></ul>
<p><b>Review Activity</b> 45 minutes</p>	<p>SCR Detectives Day 3</p> <ul style="list-style-type: none"><li>• Use the slides to teach students how to analyze and answer SCR questions.</li></ul> <div data-bbox="397 816 1506 1435"><p><b><u>Today we will:</u></b></p><ul style="list-style-type: none"><li>• <b>Debrief the facts about SCR questions</b></li><li>• <b>Investigate and score responses to a sample SCR independently</b></li><li>• <b>Practice answering and scoring an SCR independently</b></li></ul></div>
<p><b>Sorting Game</b> 20 minutes</p>	<p>Changes to State of Matter Sort</p> <ul style="list-style-type: none"><li>• Sort the cards in teams and check the teams' work for accuracy.</li><li>• Using the same set of cards, play Sorting Relay.</li></ul>

# Day 4

**Warm-up**  
25 minutes

10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Physical Science Test Prep Printables

- Based on your students' individual or classroom data, print the Physical Science Test Prep Printables that students most need to review. I recommend choosing from States of Matter, Relative Density, Magnetism, Solubility, Conductors and Insulators, Physical Properties of Matter, Force Investigations, Position and Motion, Circuits, and Behavior of Light.
- Students complete their printables.
- Go over the answers to clear up misconceptions.

The image shows two sample printables. The first is titled "States of Matter" and contains a table with columns for Substance, State of Matter, and Mass (g). The second is titled "Relative Density" and features a diagram of a graduated cylinder with three layers of liquid labeled lamp oil, vegetable oil, and water, and a block at the bottom.

Substance	State of Matter	Mass (g)
rubbing alcohol	liquid	63
toothpick	solid	2
soapy water	liquid	82
canola oil	liquid	103
steel washers	solid	18
plastic string	solid	30
rooster balls	solid	9

Directions: Use the diagram to fill in the blanks.  
The water is less dense than can, syrup and the block. The ball is denser than lamp oil. The bead is less dense than water but denser than vegetable oil. Lamp oil is the least dense labeled substance in the beaker. The block is the most dense substance because it has the most mass per unit volume. Of the solid objects in the beaker, the ball is the least dense.

**Sorting Game**  
20 minutes

Reflection or Refraction Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 5

**Warm-up**  
25 minutes

10 Days to Science STAAR

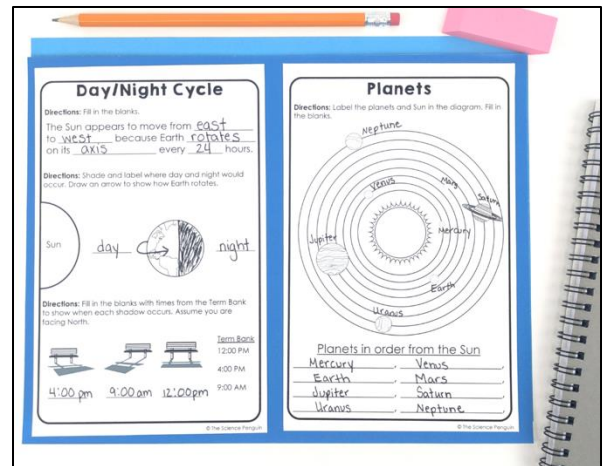
- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Earth and Space Science Test Prep Printables

- Based on your students' individual or classroom data, print the Earth and Space Science Test Prep Printables that students most need to review. I recommend choosing from Day/Night Cycle, Planets, Seasons, Moon Phases, Sedimentary Rock Formation, Fossil Fuel Formation, Landform Formation, and Rapid Changes to Earth.

- Students complete their printables.
- Go over the answers to clear up misconceptions.



**Sorting Game**  
20 minutes

Ice, Wind, or Water Sort (Slow Changes on Earth)

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 6

**Warm-up**  
25 minutes

10 Days to Science STAAR

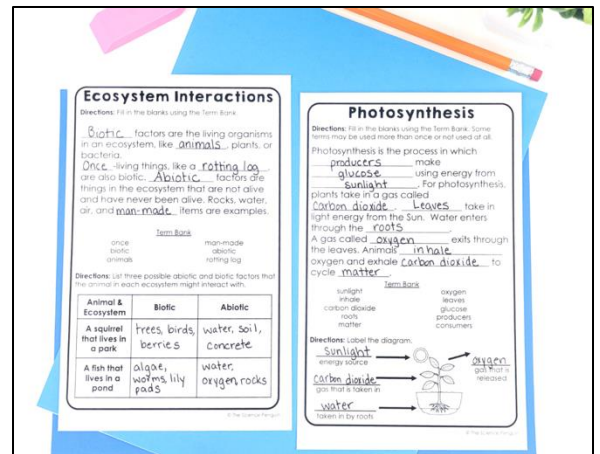
- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Life Science Test Prep Printables

- Based on your students' individual or classroom data, print the Life Science Test Prep Printables that students most need to review. I recommend focusing on Ecosystem Interactions, Photosynthesis, Fossils, Plant Structures and Functions, Animal Structures and Functions, and Life Cycles.

- Students complete their printables.
- Go over the answers to clear up misconceptions.



**Sorting Game**  
20 minutes

Weather or Climate Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 7

**Warm-up**  
25 minutes

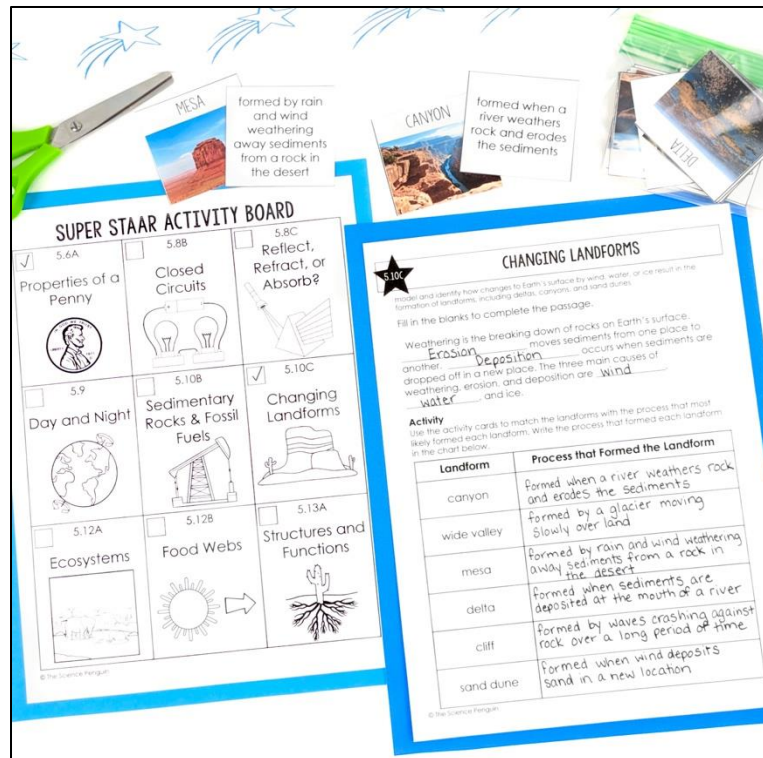
10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Super STAAR Activity Board

- Review the directions and start working through the nine activities.



**Sorting Game**  
20 minutes

Renewable or Non-renewable Resources Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 8

**Warm-up**  
25 minutes

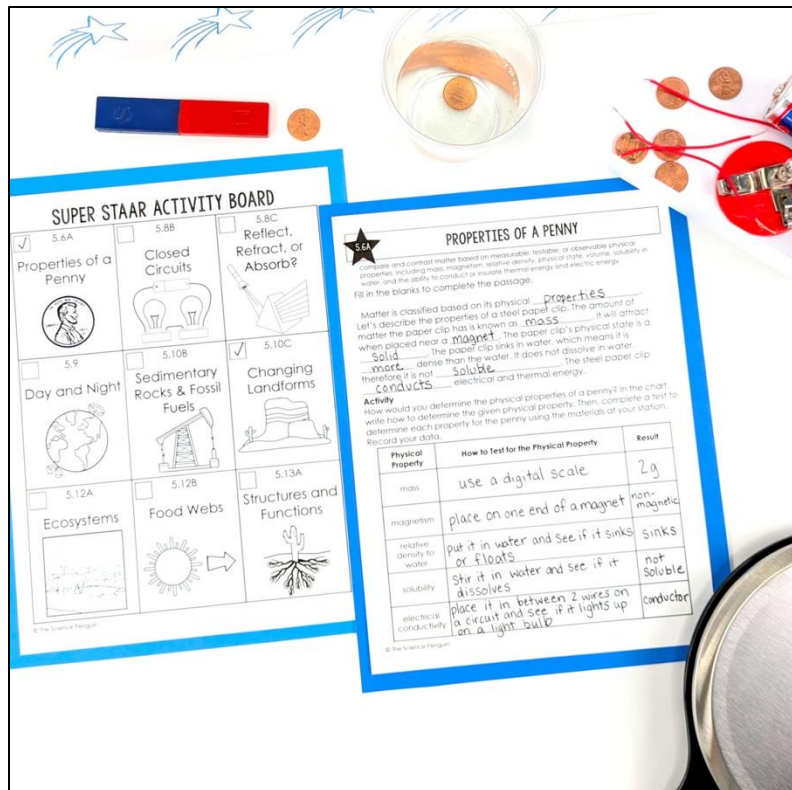
10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Super STAAR Activity Board

- Continue working through the nine activities.



**Sorting Game**  
20 minutes

Water Cycle Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.

# Day 9

**Warm-up**  
25 minutes

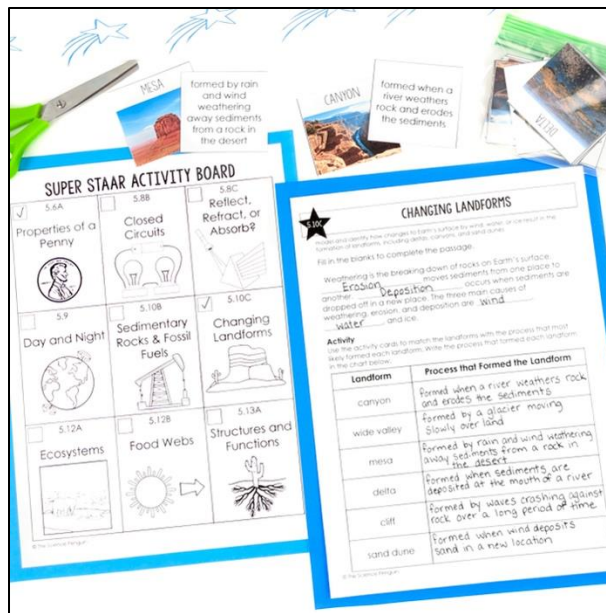
10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Super STAAR Activity Board

- Finish working through the nine activities. Students can study their STAAR Review Folders when they are done.
- Go over the answers to clear up misconceptions.



**Sorting Game**  
20 minutes

Ecosystem Interactions Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.



# Day 10

**Warm-up**  
25 minutes

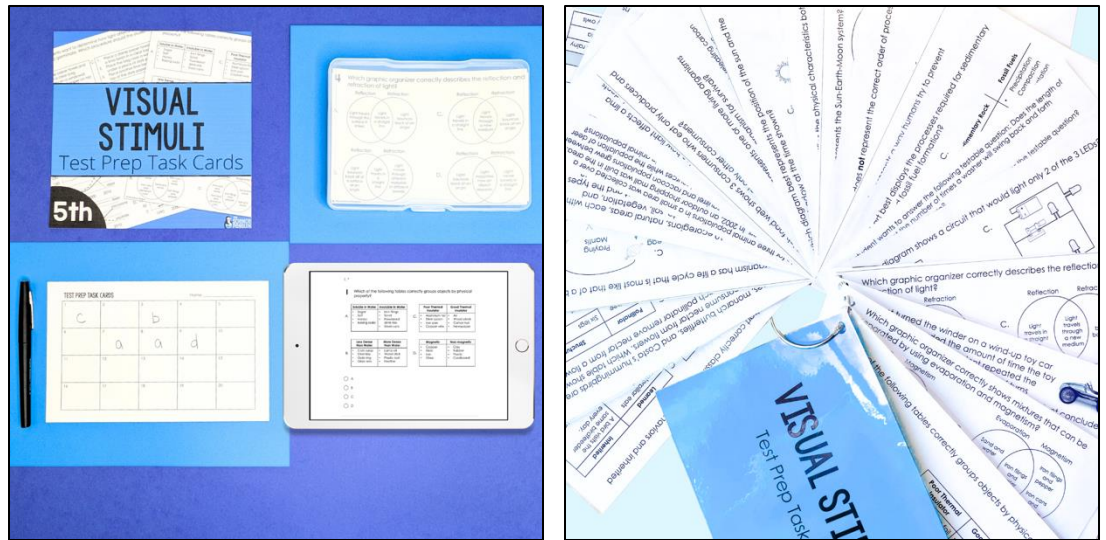
10 Days to Science STAAR

- Assign 10 Days to Science STAAR in Google Forms and have students complete their Think Sheets.
- Go over the answers to clear up misconceptions.

**Review Activity**  
45 minutes

Visual Stimuli as Answer Choices Test Prep Task Cards

- Play a game that your class enjoys using the task cards. Be sure teams write down an explanation of why the answer they chose is correct.



**Sorting Game**  
20 minutes

Producer, Consumer, or Decomposer Sort

- Sort the cards in teams and check the teams' work for accuracy.
- Using the same set of cards, play Sorting Relay.