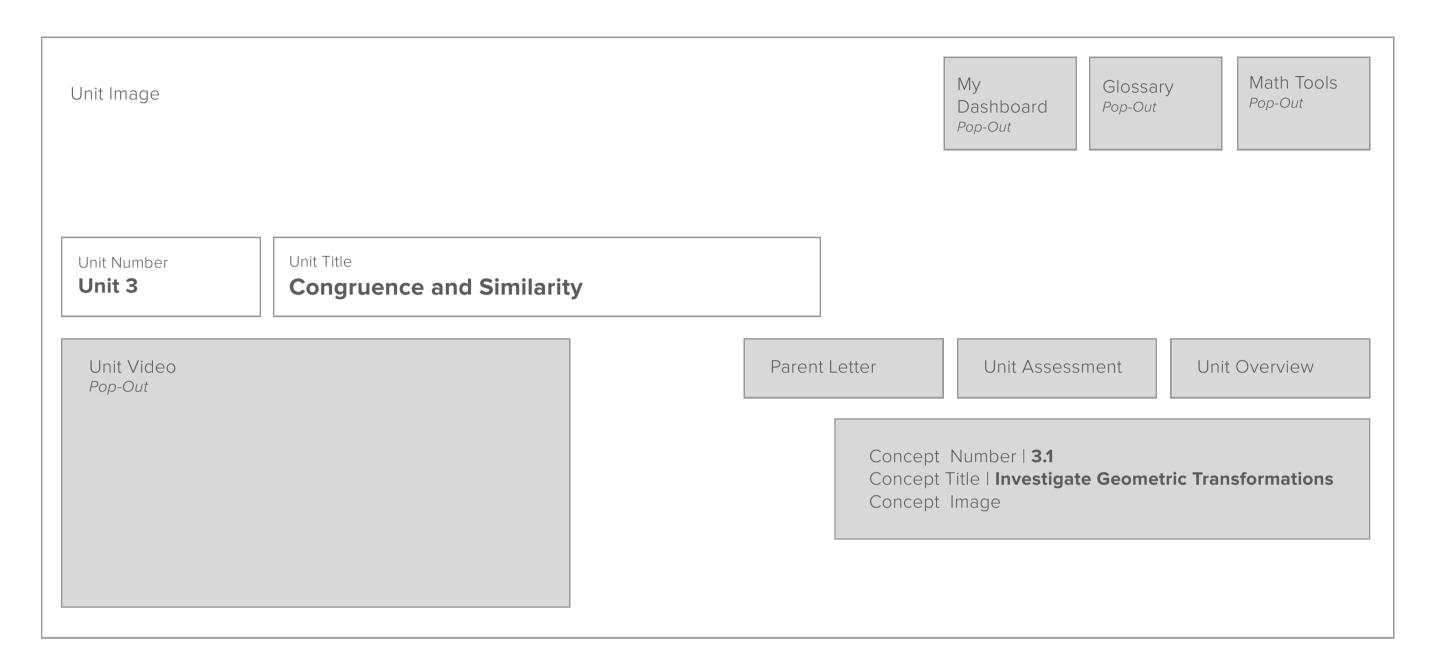
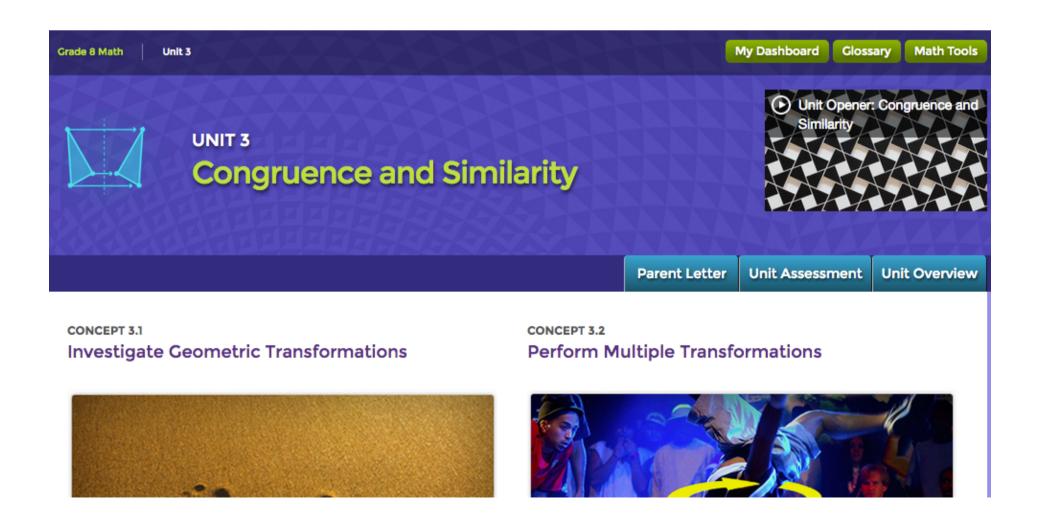
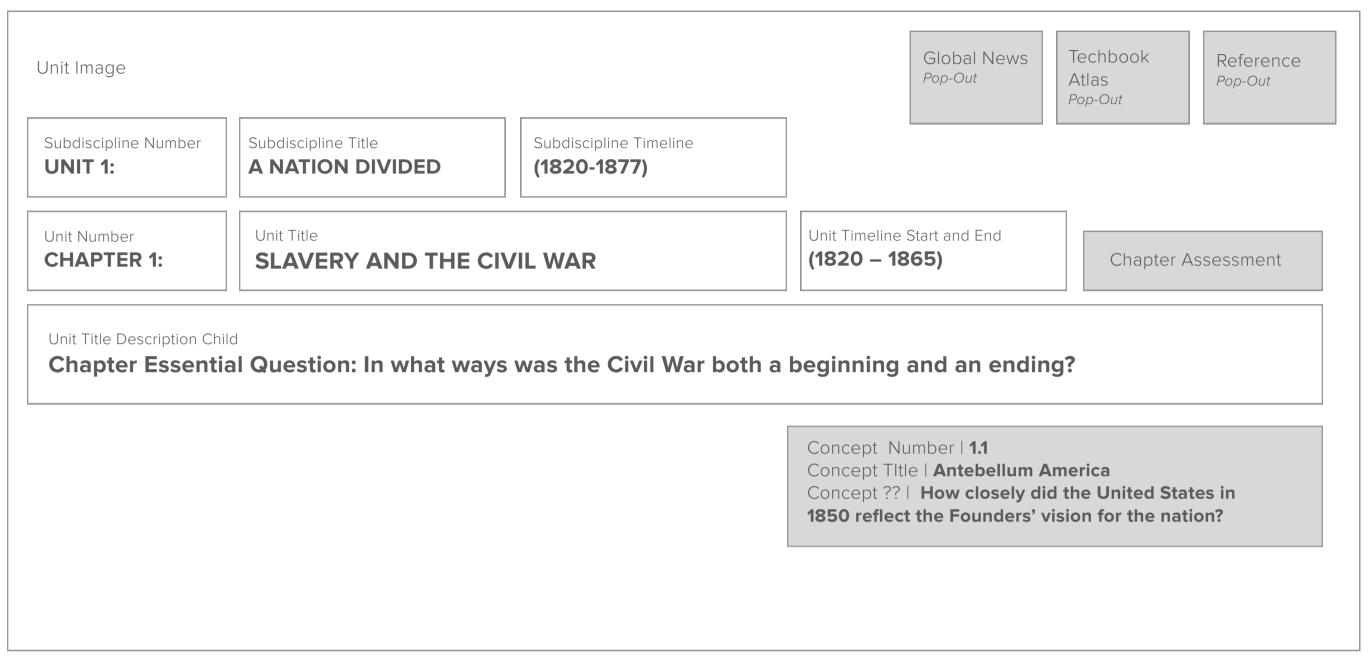
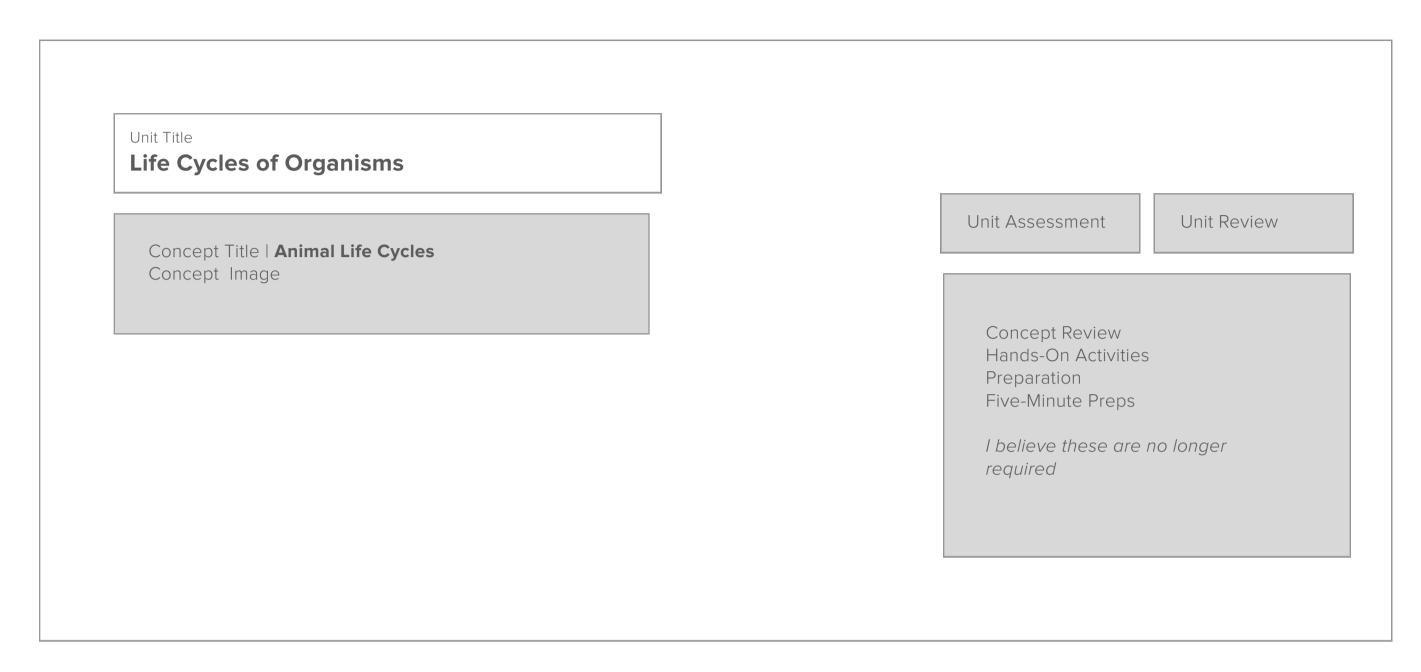
## TECHBOOK LANDING PAGE UPDATES | Math Unit Page













<u>Grade 8 Math</u> > Unit 6				My Dashboard Pop-Out
Unit 6 Intersecting Lines and Angles				
<u>Unit Overview</u> Unit Resources				
Unit Video (Anchor Phenomena) Pop-Out		6.1 Understand Interior and Exterior Angles		6.2 Invesitgate Parallel and Intersecting Lines

# MOVE PARENT LETTER TO OPENER PAGE | COULD APPEAR FOR ANY SUBJECT

Grade 8 Math > Unit 6	Unit 6 Intersecting Lines and Angles	My Dashboard Pop-Out  Math Tools Pop-Out  Glossary Pop-Out
Unit Overview	<u>Unit Resources</u>	
Unit Resources  Parent Letter	Unit Assessment	

## Standards

CCSS.Math.Content.8.G.A.1b Angles are taken to angles of the same measure.

CCSS.Math.Content.8.G.A.1a Lines are taken to lines, and line segments to line segments of the same length.

CCSS.Math.Content.8.G.A.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.

Unit Overview	Unit Resources			
Moon		Earth	Sun	

Unit Overview

**Unit Resources** 

## **Unit Resources**

Unit Assessment

Performance-Based Assessment Five-Minute Preps ?? (Seriously— do we need ?)

## Standards

#### Moon

- 11.A.3a Formulate hypotheses that can be tested by collecting data.
- 11.A.3b Conduct scientific experiments that control all but one variable.
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- 11.A.3g Report and display the process and results of a scientific investigation.
- 12.F.3b Describe the organization and physical characteristics of the solar system (e.g., sun, planets, satellites, asteroids, comets).
- 13.A.3a Identify and reduce potential hazards in science activities (e.g., ventilation, handling chemicals).

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Unit Resources

## **Earth's Changing Surface**

**Unit Overview** The Grand Canyon From Space ANCHOR PHENOMENON The Grand Canyon appears from space to be a giant gash in the surface Earth. How was this immense canyon formed? Why does it have so many different colors? **Driving Questions** 1. How do water, ice, wind and vegetation sculpt landscapes? 2. What factors affect how quickly landscapes change 3. How are landscape changes recorded by layers of rocks and fossils 4. How can people minimize the effects of changing landscape on property while still protecting the environment? CONCEPT INVESTIGATIVE PHENOMENA **Student Outcomes** Weathering is the process whereby rocks are broken down into smaller particles. Erosion moves rock particles from one place to another. The main agents of erosion are gravity, water, wind and ice. Deposition occurs when rock particles stop moving. Did the water evaporate? Lower Water volume after Breaking Down and leaving glass out for 2 days Moving Rocks Water, ice and wind change the shape of earth's surface and produce many of Earths' landforms. Layers of sediment and patterns in rock formation reveal environmental changes over time. Did the water evaporate? Lower Water volume after Changing Landscapes leaving glass out for 2 days Maps can be used to locate different land and water features on Earth. Maps reveal relationships between Earth's landforms, both under the oceans and on the continents Did the water evaporate? Lower Water volume after leaving glass out for 2 Mapping Landforms days Patterns can be identified in the location of volcanoes on Earth. Volcanic eruptions can be very destructive but humans can take precautions to reduce their impact. Did the water evaporate? Lower Water volume after Volcanoes leaving glass out for 2 days

Ancient World History - C	California > Regional (	Civiizations > Ancient China	a and Chinese Belie	ef Systems		Global News
Chapter 7 Ancient China and Chinese Belief Systems					Techbook Atlas	
		nd prosperous civilizati	on?			Reference
Chapter Overview	Chapter Resources					
Unit Image				7.1  Geography of China  How did China's location impact its development?		Systems Inism, Daoism, and e society in ancient

7.3
Life in the Chinese Dynasties
How did the Chinese dynasties affect life
throughout East Asia?

7.4
Ancient Chinese Economy
How did China become economically
successful?

#### Global News

### **Chapter 7**

## **Ancient China and Chinese Belief Systems**

What factors made China a powerful and prosperous civilization?

Techbook Atlas

Reference

Chapter Overview

**Chapter Resources** 

## **Chapter Resources**

Chapter Assessment

## Standards

## Geography of China

15.A Understand how different economic systems operate in the exchange, production, distribution and consumption of goods and services.

16.A Apply the skills of historical analysis and interpretation.

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16.E.3a W Describe how the people of the Huang He, Tigris-Euphrates, Nile and Indus river valleys shaped their environments during the agricultural revolution, 4000 - 1000 BCE.

17.C Understand relationships between geographic factors and society.

17.C.3a Explain how human activity is affected by geographic factors.

17.C.3b Explain how patterns of resources are used throughout the world.

17.D Understand the historical significance of geography.

17.D.3a Explain how and why spatial patterns of settlement change over time.

SS.EC.3.6-8.MdC Explain barriers to trade and how those barriers influence trade among nations.

<u>Grade 8 Math</u> > Unit 6	
	Unit 6
	Intersecting Lines and Angles

Unit Video (Anchor Phenomena)
Pop-Out

6.1
Und
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6.1 Understand Interior and Exterior Angles

6.2 Invesitgate Parallel and Intersecting Lines

## **Unit Resources**

Parent Letter

Unit Assessment

My Dashboard Pop-Out Math Tools
Pop-Out

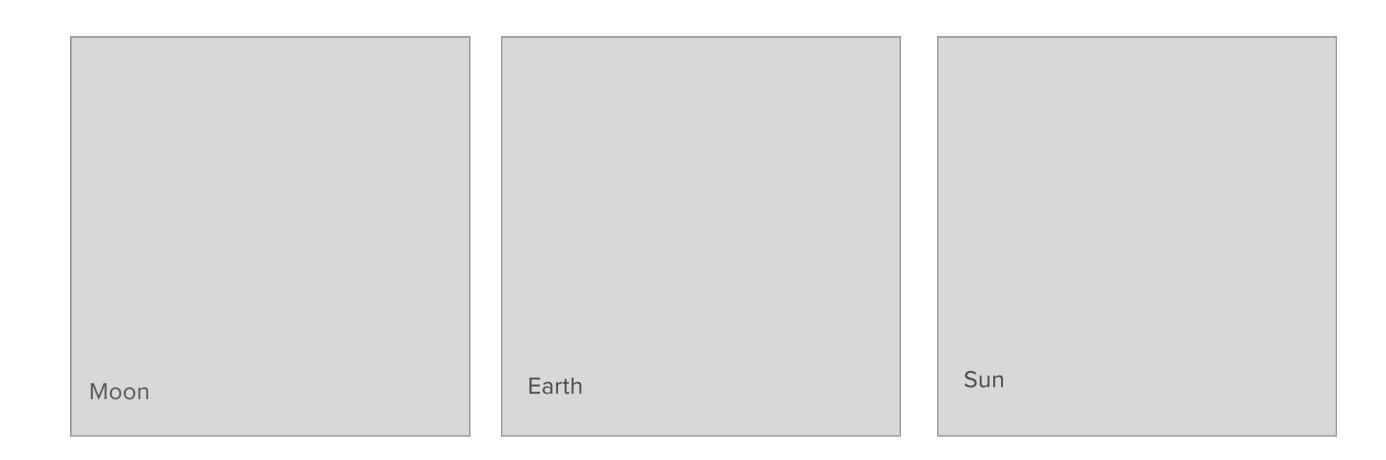
Glossary Pop-Out

## **Unit Standards**

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## **Unit Resources**

Unit Assessment

Performance-Based Assessment

## Standards

## Moon

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- 13.A.3a Identify and reduce potential hazards in science activities (e.g., ventilation, handling chemicals).

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# **ANCHOR PHENOMENON**

## The Science of Car Crashes

Lots of things happen in a car crash. There's a lot of noise., Things get broken and thrown about. People get hurt. This video shows one way in which car crashes are studied. We Learn about the things that can happen in a crash and what causes them as. we study this unit.

**Guiding Questions** 

- 1. What happens to energy when objects collide?
- 2. Why do car crashes cause so much damage? How can collision damage be reduced?

# CONCEPT STUDENT OUTCOMES INVESTIGATIVE PHENOMENA Objects only begin to move when an unbalanced force is applied to them. Objects only stop if a force is applied to them in a direction that is opposite to the direction of their movement. Energy changes take place when a force is applied to an object. **Title** Description Starting, Moving, and Stopping Work occurs when a force moves an object. Energy is needed to do work. Energy comes in different forms and these can be used, via energy changes, to move objects. **Asset Title** Asset Description. What is the source for this text? **Energy and Motion** Speed is the distance moved by an object over a specified period of time. An object's kinetic energy increases as its speed increases. Energy can be used to change the speed of an object **Asset Title** Asset Description. What Speed is the source for this text? Energy changes occur when objects collide. The amount of energy that colliding objects have depends on their masses and speeds. In a collision energy is conserved. **Asset Title** Asset Description. What is the source for this text? **Energy and Collisions**

# **Unit Resources**

Unit Assessment

Performance-Based Assessment

# Standards

# **Starting and Stopping**

4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object.

# 4-PS3-3. Ask questions and predict outcomes about the changes in energy that occur when objects collide.

# **Energy and Motion**

4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object.

Speed

4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object

# **Energy and Collisions**

4-PS3-1. Use evidence to construct an explanation relating the speed of an object to the energy of that object. 4-PS3-3. Ask questions and predict outcomes about the changes in energy that occur when objects collide.

## **Chapter 7**

## **Ancient China and Chinese Belief Systems**

What factors made China a powerful and prosperous civilization?



7.1

Geography of China

How did China's location impact its development?

7.2
China's Belief Systems
How did Confucianism, Daoism, and
Legalism influence society in ancient
China?

7.3
Life in the Chinese Dynasties
How did the Chinese dynasties affect
life throughout East Asia?

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Ancient Chinese Economy
How did China become economically
successful?

## **Chapter Resources**

Global News

Techbook Atlas

Reference

Chapter Assessment

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17.C.3a Explain how human activity is affected by geographic factors.

17.C.3b Explain how patterns of resources are used throughout the world.

17.D Understand the historical significance of geography.

17.D.3a Explain how and why spatial patterns of settlement change over time.

SS.EC.3.6-8.MdC Explain barriers to trade and how those barriers influence trade among nations.

<u>Grade 8 Math</u> > U	nit 6		My Dashboard Pop-Out
	Unit 6 Intersecti Angles	ing Lines and	Math Tools Pop-Out  Glossary Pop-Out
Unit Overview	Unit Resources		
Unit Video Pop-Out	o (Anchor Phenomena)		
6.1 Understand Angles	Interior and Exterior	6.2 Invesitgate Para Intersecting Line	allel and

<u>Grade 8 Math</u> > U	nit 6	My Dashboard  Pop-Out
	Unit 6	Math Tools Pop-Out
	Intersecting Lines and Angles	Glossary Pop-Out
	LL.". December 2	
Unit Overview	Unit Resources	

## Standards

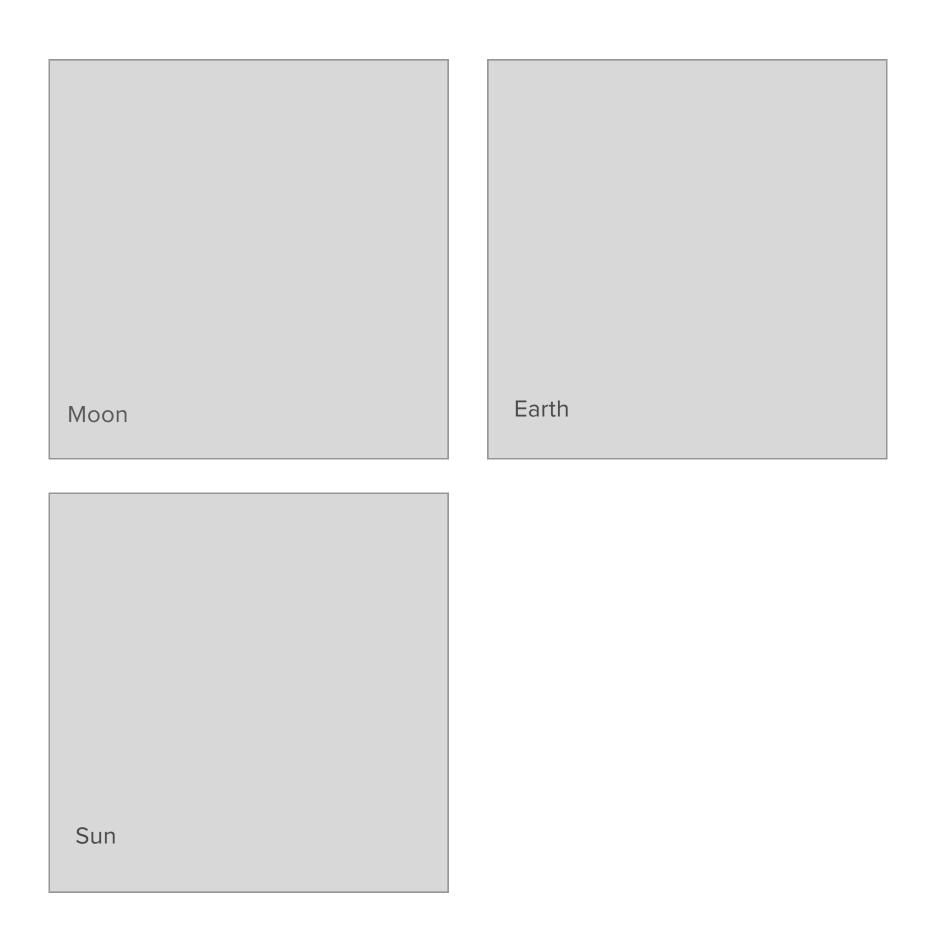
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Unit Assessment

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## **Unit Resources**

Unit Assessment

Performance-Based Assessment

## Standards

## Moon

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## **Earth's Changing Surface**

**Unit Overview** 

Unit Resources

## ANCHOR PHENOMENON



## The Grand Canyon From Space

The Grand Canyon appears from space to be a giant gash in the surface Earth. How was this immense canyon formed? Why does it have so many different colors?

## **Driving Questions**

- 1. How do water, ice, wind and vegetation sculpt landscapes?
- 2. What factors affect how quickly landscapes change
- 3. How are landscape changes recorded by layers of rocks and fossils
- 4. How can people minimize the effects of changing landscape on property while still protecting the environment?

CONCEPT	Breaking Down and Moving Rocks
INVESTIGATIVE PHENOMENON	Image: Asset Title
STUDENT OUTCOMES	Weathering is the process whereby rocks are broken down into smaller particles. Erosion moves rock particles from one place to another. The main agents of erosion are gravity, water, wind and ice. Deposition occurs when rock particles stop moving.

CONCEPT	Changing Landscapes
INVESTIGATIVE PHENOMENON	Image: Asset Title
STUDENT OUTCOMES	Water, ice and wind change the shape of earth's surface and produce many of Earths' landforms. Layers of sediment and patterns in rock formation reveal environmental changes over time.

CONCEPT	Mapping Landforms
INVESTIGATIVE PHENOMENON	Image: Asset Title
STUDENT OUTCOMES	Maps can be used to locate different land and water features on Earth. Maps reveal relationships between Earth's landforms, both under the oceans and on the continents

CONCEPT	Volcanoes	
INVESTIGATIVE PHENOMENON	Image: Asset Title	
STUDENT OUTCOMES	Patterns can be identified in the location of volcanoes on Earth. Volcanic eruptions can be very destructive but humans can take precautions to reduce their impact.	

## **Earth's Changing Surface**

Unit Overview

**Unit Resources** 

#### Unit Resources

Unit Assessment

Performance-Based Assessment

## **Standards**

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Unit Image China's Belief Systems 7.1 Geography of China How did Confucianism, Daoism, and Legalism influence society in ancient How did China's location impact its development? China? 7.4 7.3 Ancient Chinese Economy Life in the Chinese Dynasties How did the Chinese dynasties affect How did China become economically life throughout East Asia? successful?

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Global News Techbook Atlas Reference Chapter Assessment

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