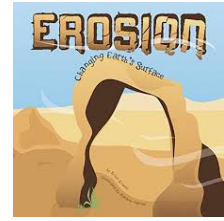


Unit 2: The Forces of Wind and Water

WEEK 3 Day 5



Text Talk

Erosion: Changing Earth's Surface

Read 2 of 2, pages 10-15

Big Idea	Wind and water can change the shape of the land.
Weekly Question	How can water change land, and why does it matter?
Content Objectives	I can identify the main topics of a multiparagraph passage and provide details about these topics. (R.4.2, R.5.2.b) I can identify the importance of oceans and the effect they have on people. (2.T2.2) I can describe different examples of flowing water and how water can change the shape of landforms. (2-ESS2-3, 2-ESS2-4(MA))
Language Objective	I can articulate and listen to ideas about erosion by water. (SL.1.2)
Vocabulary	acid: a liquid that destroys things by chemical action chemical: a substance or compound cliff: a steep rock face at the edge of the sea force: strength or energy caused by movement glacier: a large mass of ice that moves slowly down a slope or across land passage: a narrow passageway or path seep: to flow or pass through small openings stalactite: a structure hanging like an icicle from the roof of a cave, formed by dripping water depositing calcium salts stalagmite: a mound from the bottom of a cave, often touching a stalactite tsunami: a huge wave caused by an earthquake under the sea

Text Talk U2 W3 D5

	valley: a low landform between two raised landforms
Materials and Preparation	• <i>Erosion, Changing Earth's Surface</i>, Robin Koontz • What is erosion by water? chart, from previous days • Text Talk notebooks and pencils On the whiteboard, write: What were the main topics of this section of the text? What are some details that go with those topics? What do you know now about erosion by water?
Opening 1 minute	Reintroduce the book and share the purpose for reading. <i>Yesterday we read Erosion: Changing Earth's Surface by Robin Koontz. We explored different ways that water causes erosion. Today we'll read to find out specifically how the ocean, frozen water, and dripping rain cause erosion. We'll identify the main topics and some details about each kind of erosion.</i>
Text and Discussion 19 minutes page 10, first paragraph	Read the first paragraph on page 10. <i>What is being described here? What does the ocean do to rock? Turn and talk to a partner.</i> Affirm children's understanding. <i>Oceans erode rocks at the bottom of cliffs. That is the main topic of this paragraph.</i> If not surfaced, take time to explain "erode soft rock" and "throw the loose material back."
page 11	Read the rest of pages 10 and 11. <i>Let's talk about the details of these pages together. What are the different ways that the ocean can erode cliffs?</i> Harvest a few ideas. <i>Now, take a Note Break: how do oceans cause erosion? Include some details from the text to support your idea.</i> Encourage children to think beyond the text. <i>The text reads, "eroded pieces...can become a sandy beach." That sounds like erosion. It's interesting to think that while erosion is causing damage to the cliff in one place, it does something positive and beautiful someplace else. What do you think about this idea?</i>
page 12	Read the two paragraphs on page 12. <i>Turn to a partner to trade ideas about these two questions: What does the text tell us happens to water when it freezes inside</i>

	<i>rock?</i> <i>What are glaciers?</i> Encourage children to use words they have learned such as “carve” [use the hand motion] and “valley.” Affirm children’s understanding. <i>Glaciers</i> <i>are frozen water that move and can break up rocks. That is the main topic of this section.</i>
pages 12-13	Read page 12 again and continue through page 13. <i>Turn and talk. What is frozen erosion, and why does it matter?</i> Harvest a few ideas. Distribute Text Talk notebooks and pencils. <i>Now, Take a Note Break. What is frozen erosion and why does it matter?</i> Give children a few minutes to think and write quietly. Bring the group back together to discuss different kinds of erosion by water. Add children’s ideas and questions to the What is erosion by water? chart.
page 15	<i>How does rain carve caves?</i> Have children share some ideas with the group. Add to the chart as appropriate.
Key Activity 14 minutes	Note Break. Invite children to talk and then write about two prompts. Refer to the questions on the whiteboard. Prompt 1: <i>What were the main topics of this section of the text? What are some details that go with those topics?</i> [Main topic examples: Ocean erodes rock by the shore, glaciers are frozen water that breaks up rocks, rain can carve caves.] Prompt 2: <i>What do you know now about erosion by water?</i>
Closing 1 minute	<i>Today we read to find out specifically about three kinds of erosion caused by water: erosion from the ocean, frozen water, and dripping rain. We identified the main topics and some details about each kind of erosion.</i>
Weekly Question Chart	Refer to the Weekly Question Chart.

