

2nd Grade – Earth Science: Earth Materials

- Week 1
 - **Water Fractions:** Cut a piece of paper into three equal parts, and follow the directions below to make a paper model of land and water on Earth:
 - Color 2 of the 3 pieces in a color that represents water.
 - Color 1 of the 3 pieces in a color that represents land.
 - How many thirds does it take to make one whole piece of paper?
 - How many thirds represent land?
 - How many thirds represent water?
 - How many thirds does it take to represent one whole?
 - **Water Poetry:** Concrete poems are poems that have the words arranged in a way that is representative of the poem's topic. Write a concrete poem about water and arrange the words of the poem in the shape of a cloud, a raindrop, or a river.
- Week 2
 - **Read Literacy Article 2A: My Time Machine** ([link](#)): Answer the questions to help understand of how sedimentary rocks are formed over many years.
 - **Take Home Science: Collecting Rocks for a Rock Museum** ([link](#)): Collect rocks outdoors, and choose your favorite rock to place in a Rock Museum. Draw and color your rock and list its properties.
- Week 3
 - **Read Literacy and Science 3A: Breaking Down Earth's Materials** ([link](#)): Use the word bank to complete the sentences about weathering and erosion.
 - **Read Literacy Article 3B: Castles Made of Sand** ([link](#)): Answer the questions to understand types of sand and how to use sand to build a sandcastle.



- Week 4
 - **Read Literacy Article 4A: The Dirt on Soil** ([link](#)): Answer the questions to understand different types of soil, and how soil is used.
 - **Read Literacy and Science 4C: Reducing Soil Erosion** ([link](#)): Fill in the T-chart to list solutions for soil erosion problems.

- Week 5
 - **Read Literacy Article 5B: Hiking the Canyon** ([link](#)): Answer the questions to understand how the Grand Canyon was formed over millions of years.
 - **Landform Math:** Solve the story problem below about landforms.
 - Brent and Stella were reviewing landforms and bodies of water on a globe. They counted four oceans, six mountain ranges, three deserts, ten rivers, five lakes, and two canyons. How many bodies of water and landforms did they count in all?
 - How many bodies of water and landforms did they count in all?
 - How many more bodies of water did they count than landforms?

- Week 6
 - **My Island Story:** Create a model of an island surrounded by water using clay or other materials on a plastic plate. Write a fictional story about the island.
 - Make sure the story has a beginning, a middle, and an end.
 - Include characters in the story, which can be plants, animals or the island.
 - Name your island and explain how the island got its name.
 - Tell the relationship between the land and water in your island model.
 - Explain a possible solution to erosion of the island due to waves.
 - Display your story next to your model island.
 - **Innovators in Science** – Pick a person below, research and write about why they can be called an "innovator in science."
 - Alfred Wegener – www.famousscientists.org/alfred-wegener/
 - Rosaly Lopes – www.cience.jpl.nasa.gov/people/Lopes/

