



WEATHERING, EROSION, DEPOSITION: LESSON 2

EXPERIMENTS

Teacher

SUBJECTS: English Language Arts, Science

SKILLS: Discovery, experimenting, collecting data

MATERIALS

- Student recording sheet: Experiments pages 4-6 of Discovery Journal
- **FLIPGRID Challenges:** Soil Erosion, The Moraine Maker, Cookie WED Demonstration
- Discovery Kit Materials: Drop cloth, soil, paper straw, squirt bottle, wood piece, porous rocks, trowel, magnifying glass, cookie

COMMON CORE STATE STANDARDS (CCSS)

ENGLISH LANGUAGE ARTS

- 4.RI.3** Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.

SCIENCE (OHIO LEARNING STANDARDS)

- 4.ESS.1** Earth's surface has specific characteristics and landforms that can be identified.
- 4.ESS.2** The surface of Earth changes due to weathering.
- 4.ESS.3** The surface of Earth changes due to erosion and deposition.

ESSENTIAL QUESTIONS

1. How does erosion affect landforms?
2. What are the characteristics of landforms?

I CAN STATEMENTS (LEARNING OBJECTIVES)

1. I can describe procedures in an experiment, interpret the results, and explain how the results apply to real-life concepts.
2. I can describe characteristics of landforms.



LINKS

- **Slug Science Journeys Homepage** <https://www.miamicountyparks.com/node/1253>
- **WED Video** <https://vimeo.com/videobranch/review/415284976/170572d2bf>

ACTIVITY

Experiments

Students will complete the erosion experiments demonstrated in the Weathering Erosion Deposition SLUG SCIENCE JOURNEY video, and FLIPGRID Mini Science Challenges and use the student sheet on pages 4-6 of the Discovery Journal to record and interpret data. Students will record video or take photos during the experiment and complete the following **FLIPGRID Challenges: Soil Erosion, The Moraine Maker, Cookie WED Demonstration.**

EVIDENCE OF ACTIVITY

Students will complete the student sheet on pages 4-6 of the Discovery Journal, and the **FLIPGRID Challenges: Soil Erosion, The Moraine Maker, Cookie WED Demonstration.**