

SUBJECTS: English Language Arts, Science

SKILLS: Discovery, experimenting, collecting data

MATERIALS

- Computer/Tablet/Phone
- Rock Exploration and Rock Sorting student sheets on pages 4-7 of the Discovery Journal
- **FLIPGRID Challenges: Rock Explorations Part 1 and 2, Make a Rock Collection and Be a Sedimentary Rock**
- Discovery Kit Materials: Bag of sorting rocks, bag of river rocks, bag of pebbles, magnifying glass, rock collection container

COMMON CORE STATE STANDARDS (CCSS)

ENGLISH LANGUAGE ARTS

3.W.8 Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

SCIENCE (OHIO LEARNING STANDARDS)

3.ESS.1: Earth's nonliving resources have specific properties.

ESSENTIAL QUESTIONS

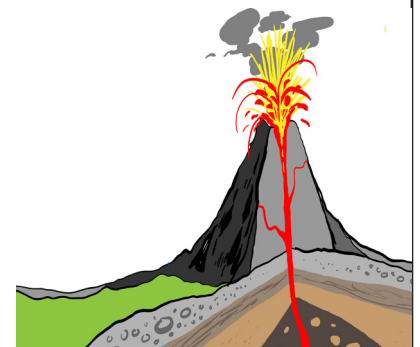
1. Why are rocks important?
2. What properties help us to identify nonliving resources?

I CAN STATEMENTS (LEARNING OBJECTIVES)

1. I can follow directions and explain results of experiences.
2. I can distinguish nonliving resources (rocks) based on their properties.

LINKS

- **Slug Science Journeys Homepage** <https://www.miamicountyparks.com/node/1252>
- **Heat & Pressure Video** <https://vimeo.com/videobranch/review/415312539/1fc46e99a3>



ACTIVITY

Rock Explorations

Students will complete the rock activities demonstrated in the Heat & Pressure SLUG SCIENCE JOURNEY video, and in the **FLIPGRID Challenges** and use the student sheet to record and interpret data. Students are provided with a bag of rocks containing clear examples of all three categories of rocks: IGNEOUS, METAMORPHIC, SEDIMENTARY. The students will sort these rocks onto the ROCK SORTING SHEET provided by using the clues on the sorting sheet. Then students can also sort their own rocks that they have collected themselves on the ROCK SORTING SHEET. Students will record video or take photos during the experiment and submit via **FLIPGRID Challenges: Rock Explorations Part 1 and 2, Make a Rock Collection and Be a Sedimentary Rock.**

EVIDENCE OF ACTIVITY

Students will complete the student sheets on pages 4-7 of the Discovery Journal and the following **FLIP-GRID Challenges: Rock Explorations Part 1 and 2, Make a Rock Collection and Be a Sedimentary Rock.**