



# GEOLOGY ROCKS!

Grade 5 – 7 | 90 – 120 Minutes

## Program Overview

### Description

In this hands-on investigation students gain an understanding of the rock cycle and Earth's composition. Students will try their hand at rock and mineral identification with our extensive collection. We will also hike to explore the geological features of Huntington Reservation. *Not recommended December through February. Please dress for weather.*

**Adult chaperones recommended: 4**

### Content Standards

Subject	Gr	Ohio Department of Education Standards
Earth/Space	6	<ul style="list-style-type: none"><li>• Minerals have specific, quantifiable properties.</li><li>• Igneous, metamorphic and sedimentary rocks have unique characteristics that can be used for identification and/or classification.</li><li>• Igneous, metamorphic and sedimentary rocks form in different ways.</li><li>• Soil is unconsolidated material that contains nutrient matter and weathered rock.</li><li>• Rocks, minerals and soils have common and practical uses.</li></ul>

## Vocabulary

crystal	metamorphic
fossil	mineral
hardness	rock cycle
igneous	sedimentary
luster	streak
magnetism	

## Books we recommend

- Awesome Rocks by Katy Lennon. Penguin Random House, 2015.
- Explore Rocks and Minerals by Cynthia Light Brown. Nomad Press, 2010.
- Geology: The Study of Rocks by Susan H. Gray. Scholastic, 2012.
- Investigating the Rock Cycle by Mary Lindeen. Lerner Publications, 2016.
- Rocks by Ann Squire. Scholastic, 2013.
- Rocks and Minerals by Melvin and Gilda Berger. Scholastic, 2010.
- Rocks and Fossils by Chris Pellant. Kingfisher, 2011.

## Post-Trip Activities

- What is the best rock to use to make a statue? What is the best rock to build a bridge?
- Look at a geological timeline, choose one period then find that bedrock on an Ohio geological map that matches that time period. Research the animals that lived there during that time frame.

<https://ohiodnr.gov/discover-and-learn/safety-conservation/about-odnr/geologic-survey/bedrock-geology/bedrock+mapping>

## Other Resources

More information on earth science and geologic time:

<https://blog.stem-supplies.com/4-easy-earth-science-projects-that-rock/>

<https://www.britannica.com/science/geologic-time>