



HEAT & PRESSURE: LESSON 6

DATA AND MEASUREMENT

Teacher

SUBJECTS: Math, Science

SKILLS: Creating graphs and analyzing data

MATERIALS

- Data and Measurement Student Sheet on pages 13-14 of the Discovery Journal

COMMON CORE STATE STANDARDS (CCSS)

MATHEMATICS

3.MD.3 Draw a scaled picture graph and scaled bar graph to represent a data set with several categories. Solve one and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs.

SCIENCE (OHIO LEARNING STANDARDS)

3.ESS.1 Earth’s nonliving resources have specific properties.

ESSENTIAL QUESTIONS

- How do we represent information in a picture or bar graph?
- How can data help us make informed decisions about the world around us?

I CAN STATEMENTS (LEARNING OBJECTIVES)

- I can create a picture graph and a bar graph using a set of data.
- I understand that data helps scientists make important decisions.

LINKS

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

ACTIVITY

Using the data collected while doing the rock activities, students will record data, create a data set, and create picture and bar graph.

EVIDENCE OF ACTIVITY

Students will complete the Data and Measurement Student Sheet.

