



WEATHERING, EROSION, DEPOSITION: LESSON 6

MEASUREMENT & DATA

Teacher

SUBJECTS: Math, Science

SKILLS: Creating graphs and analyzing data

MATERIALS

- Data and Measurement Student Sheet on page 12 of the Discovery Journal

COMMON CORE STATE STANDARDS (CCSS)

MATHEMATICS

4.MD.4 Display and interpret data in graphs (picture graphs, bar graphs, and line plots) to solve problems using numbers and operations for this grade.

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 can a line plot help me interpret data?
2. How can data be used to help me understand the processes of weathering, erosion and deposition?

I CAN STATEMENTS (LEARNING OBJECTIVES)

1. I can create a line plot using a given data set.
2. I can use data to help me understand scientific processes.

LINKS

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

ACTIVITY

Students will create a line plot and answer questions on a student sheet regarding the process of EROSION.

EVIDENCE OF ACTIVITY

Students will submit the Data and Measurement Student Sheet on page 12 of the Discovery Journal.

