



FBI: LESSON 7

MEASUREMENT & DATA

Teacher

SUBJECTS: Math, Science

SKILLS: Creating graphs and analyzing data

MATERIALS

- Measurement and Data Student sheet page 12 of Discovery Journal

COMMON CORE STATE STANDARDS (CCSS)

MATHEMATICS

- 2.MD.10** Organize, represent, and interpret data with up to four categories; complete picture graphs when single-unit scales are provided; complete bar graphs when single-unit scales are provided; solve simple put-together, take-apart, and compare problems in a graph.
- 3.MD.3** Create scaled picture graphs to represent a data set with several categories. Create scaled bar graphs to represent a data set with several categories. Solve two-step “how many more” and “how many less” problems using information presented in the scaled graphs.

SCIENCE (OHIO LEARNING STANDARDS)

- 2.LS.1** Living things cause changes on Earth.
- 3.LS.3** Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.

ESSENTIAL QUESTIONS

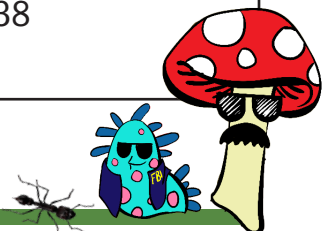
1. How do we represent information in a picture or bar graph?
2. How does analyzing data help us see patterns in scientific information?

I CAN STATEMENTS (LEARNING OBJECTIVES)

1. I can create a bar and picture graph, correctly representing a data set.
2. I can analyze data to better understand scientific information.

LINKS

- **Slug Science Journeys Homepage** <https://www.miamicountyparks.com/node/1238>
- **FBI Video** <https://vimeo.com/videobranch/review/415237859/5600fdcd69>



ACTIVITY

Students will create a picture graph and answer questions about a data set of decomposition rates using the student worksheet on page 12 of their Discovery Journal.

EVIDENCE OF ACTIVITY

Students will complete the student sheet on page 12 of their Discovery Journal.