

Grade Level: 3

Topic: Scientific Inquiry and the Living Environment-Earthworms

Title: Reaction to Touch

Objectives:

- The students will complete the experiment on a worm's sensitivity to touch.
- Students will make predictions to determine what area of the worm is most sensitive to touch.
- The students will collect and record their observations.
- Students will compare the results.
- The students will document their conclusions.
- Students will draw and label the parts of an Earthworm.

Standards:

- 3.1.1 Recognize and explain that when a scientific investigation is repeated, a similar result is expected.
- 3.1.3 Keep and report records of investigations and observations using tools, such as journals, charts, graphs, and computers.
- 3.1.4 Discuss the results of investigations and consider the explanations of others.
- 3.1.5 Demonstrate the ability to work cooperatively while respecting the ideas of others and communicating one's own conclusions about findings.
- 3.2.6 Make sketches and write descriptions to aid in explaining procedures or ideas.
- 3.6.3 Explain how a model of something is different from the real thing but can be used to learn something about the real thing.

Materials:

- Earthworms (4-5 per group)
- Students' Science Journals
- Paper towels and trays for worms
- Reaction to Touch worksheet
- Pencils and crayons

Activity:

1. Distribute all materials, including worms.
2. Give directions and expectations
3. Science Notebook Entries:
 - *Give students the question: "What section of the worm is the most sensitive to touch?"
 - *Students write their Hypothesis
4. Complete the "Reaction to touch" experiment as directed.

5. Students will discuss their finding with their group.
6. Students will write a conclusion in their Science Notebook.

Assessment:

- Science Rubric
- Draw and label the parts of an Earthworm.