

SCIENCE P2 Standards:

Unit 3 – Light from Different Sources

2Ps.02 Know that darkness is the absence of light.

2Ps.01 Know that there are many light sources, including the Sun.

2ESs.01 Describe the apparent movement of the Sun during the day.

2Pe.01 Identify how we use electricity and describe how to be safe with it.

2Pe.02 Recognise the components of simple circuits (limited to cells,wires and lamps).

2Pe.03 Explore the construction of simple series circuits (limited to cells,wires and lamps)

ELA- READING

2Ri.08 Describe story settings and characters.

2Ri.03 Identify the characteristics of simple stories.

2Rw.05 Use phonic knowledge to decode unfamiliar words.

Lesson 1: Light Sources and Darkness *Science Standards: 2Ps.02, 2Ps.01*

Objective:

- Recognize darkness as the absence of light.
- Identify various light sources, including the Sun.

Activities:

1. Discussion: Introduction to light and darkness. Discuss different light sources and their significance, focusing on the Sun as a primary source.
2. Exploration: Experiment with shadows using various light sources. Observe how shadows change based on the light's direction and intensity.

Lesson 2: Apparent Movement of the Sun *Science Standard: 2ESs.01*

Objective:

- Describe the apparent movement of the Sun during the day.

Activities:

1. Observation: Track the Sun's movement during different times of the day using simple tools like sundials or drawings.

2. Discussion: Discuss observations and connect them to the Earth's rotation. Highlight how the Sun appears to move across the sky.

Lesson 3: BUEI : Electricity Basics and Safety Measures *Science Standard: 2Pe.01*

Objective:

- Identify common uses of electricity.
- Understand basic safety measures when using electricity.

Activities:

1. Discussion: Introduce various ways electricity is used in everyday life.
2. Safety Guidelines: Explain safety precautions when handling electrical appliances or devices. Discuss and illustrate safety measures through scenarios or posters.

Lesson 4: Exploring Light Sources *Science Standards: Understanding where light comes from*

Objective:

- Identify various sources of light.
- Discuss story settings and characters.

Activities:

1. Reading "Oscar and the Moth": Begin by reading the book aloud to the class.
2. Discussion: Engage students in a discussion about the story's settings and characters related to light sources. Prompt questions such as:
 - Where does the light come from in the story?
 - Can you name other sources of light in our surroundings?
3. Science Experiment: Explore light sources in the classroom. Students can identify and categorize different light sources (natural and artificial) using flashlights, lamps, or sunlight through windows.

Lesson 5: Understanding Story Elements and Decoding Words *ELA Reading Standards: 2Ri.08, 2Ri.03, 2Rw.05*

Objective:

- Describe story settings and characters.
- Identify characteristics of simple stories.

- Use phonic knowledge to decode unfamiliar words.

Activities:

1. Story Elements Discussion: Review story settings and characters from "Oscar and the Moth." Encourage students to describe these elements and their connection to light sources in the story.
2. Word Decoding Activity: Select some unfamiliar words from the book related to light sources. Break these words down phonetically and discuss their meanings. Encourage students to use their phonic knowledge to decode and understand these words.
3. Creative Writing: Have students create their own short stories incorporating light sources as a central theme. Encourage them to use descriptive language and include characters and settings related to light.

Integration Tip:

- Connect the story's theme of light sources to science by discussing how sunlight is a natural source of light and its importance to plants, animals, and everyday life. Students can draw connections between the story's elements and scientific facts about light sources.

This program integrates the book "Oscar and the Moth" into discussions about light sources while encouraging students to explore story elements and phonetic decoding of unfamiliar words related to the story's theme.