

Science Kindergarten

UNIT I: Earth Science

Goal 1. Weather - The student will use scientific skills and processes to collect, organize, and interpret information as it relates to weather and seasons.

Objectives - The student will be able to:

- a. Observe, describe, and record changes in daily weather conditions and recognize that weather can change from day to day. (MLO)
- b. Describe how weather conditions can affect people's activities and the kind of clothing they wear.
- c. Identify and name the four seasons.
- d. Describe the environmental changes that occur during each season. (MLO)
- e. Classify the weather conditions and events associated with each season.

UNIT II: Physical Science

Goal 1. Water - The student will use scientific skills and processes to explore the properties of water and how it interacts with substances in varied and predictable ways.

Objectives - The student will be able to:

- a. Describe that water takes the shape of its container, has weight, and takes up space.
- b. Collect evidence to show that water can change by freezing, melting, and evaporating.
- c. Observe and conclude that water flows in a downward direction.
- d. Observe and conclude that some substances absorb water and some substances do not absorb water.
- e. Observe that water drops can be manipulated in predictable ways.
- f. Describe the characteristics of bubbles.

UNIT III: Life and Environmental Science

Goal 1. Living Things - The student will use scientific skills and processes to explore the characteristics of living things by collecting evidence of similarities and differences that exist among them.

Objectives - The student will be able to:

- a. Classify living things based on similarities and differences. (MLO)
- b. Describe how people are alike in some ways and unique in others.
- c. Describe some of the ways people change as they grow.
- d. Use the five senses to describe some characteristics by which living things are classified. (MLO)

Goal 2. Plants - The student will use scientific skills and processes to explore the characteristics of plants.

Objectives - The student will be able to:

- a. Identify plants as living things with basic needs of air, water, food, and light. (MLO)
- b. Distinguish between once-living objects and objects that have never lived.
- c. Identify the conditions necessary for seeds to sprout.
- d. Recognize that plants vary in size, shape, and color.

Unit IV: Environmental Science

Goal 1. Human Impact on the Environment – The student will use scientific skills and processes to explain that humans use resources from the environment to meet needs and wants, and that using resources can affect the environment.

Objectives - The student will be able to:

- a. Recognize that people use land for growing food, for transportation, for building things, and for recreation. (MLO)
- b. Identify ways that people use Earth's air and water.
- c. Recognize that living things need a clean environment.
- d. Identify factors that contribute to air, water, and land pollution.
- e. Recognize and identify materials that can be reused and recycled.