

SCIENCE Second Grade

VALUES AND ATTITUDES	The student will: Recognize that God provided us with all we need to survive. Demonstrate concern for endangered species. Value need for conservation, preservation, and wise use of natural resources. Things can seem different and be the same. Appreciate sense of hearing as a gift of God. Understand that meaningful questions extend our learning and understanding.
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STRAND A Life Science

OBJECTIVES
Life cycle of plants and animals <ul style="list-style-type: none">• Analyze, compare and contrast the life cycle of different plants.• Observe anatomical structures of plants.• Analyze, compare and contrast the life cycle of different animals.• Demonstrate how organisms are affected by changes in their environment.• Describe relationships between living organisms of the same and different species.

STRAND B Earth Science

OBJECTIVES
Weather <ul style="list-style-type: none">• Describe weather by measurable quantities.• Assess daily and seasonal weather changes.• Describe the water cycle.• Investigate the effects of pollution on our water supply.

STRAND C Physical Science

OBJECTIVES

Matter

- Observe that matter has mass and volume.
- Investigate the three states of matter.
- Observe changes in state of matter when heated and cooled.
- Determine what can be done to materials to change some of their properties.
- Observe the change in position and motion of objects relative to the strength of the push or force.

Sound

- Discover how sounds are made.
- Observe that sound is produced by vibrating objects.
- Determine the pitch of the sound by changing the rate of the vibration.
- Analyze the pitch produced by changing the size and shape of the instruments.

STRAND D Nature of Science

OBJECTIVES

Conducting investigations

- Make predictions based on observations not guessing.
- Measure length, weight, temperature and liquid volume with appropriate tools.
- Compare and sort common objects according to two or more physical attributes.
- Write or draw descriptions of a sequence of steps or observations.
- Construct bar graphs to record data, appropriately label axes.
- Use magnifiers to observe small objects.
- Follow oral instructions for a scientific investigation.