

SCIENCE First Grade

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| VALUES AND ATTITUDES | The student will: Respect for all forms of life and develop a growing appreciation for the beauty and diversity of God's world. Appreciate our ability to learn through observation. Recognize that all living things are dependent on their environment to sustain life. Recognize that we need to appreciate and care for the resources God gave us to sustain our lives. Recognize growth as stages of development. Appreciate the variety and scope of God's creation. Be a good steward of our natural resources. Begin to appreciate the value of order. Recognize the important role tools play in our lives. Recognize senses as an integral part of observation. Understand that meaningful questions extend our learning and understanding. |
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STRAND A Life Science

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| OBJECTIVES Animals and Plants <ul style="list-style-type: none">• Identify characteristics of living organisms.• Classify examples as living or non-living.• Identify self locomotion as a characteristic of animal life.• Group living things into plant and animal kingdoms (do not include other kingdom organisms in group).• Identify the needs of plants as air, water, nutrients, and light.• Identify the needs of animals as air water, food, shelter.• Describe the life cycle of a living organism.• Identify the environments that support various living organisms.• Identify local environments that support North Carolina plants and animals. |
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STRAND B Earth Science

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| OBJECTIVES Earth's Properties and Resources <ul style="list-style-type: none">• Classify rocks and other earth materials according to their properties: size, shape color, texture, magnetism, and ability to float or sink.• Recognize that fossils occur in rock and may be used to study the history of the Earth.• Determine the properties of soil.• Assess, record and predict weather.• Identify the sun as a star that affects our weather. |
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STRAND C Physical Science

OBJECTIVES

States of Matter; Motion

- Determine a variety of ways to group or classify objects.
- Measure some properties of matter : mass, temperature, and volume.
- Determine the properties of liquids including buoyancy and color.
- Classify solids according to their properties.
- Determine how the properties of substances are changed when heated or cooled.
- Observe the ways in which things move.
- Trace and measure the movement of an object over time in order to describe motion of the object.
- Observe that movement can be affected by pushing or pulling.
- Observe that objects can move steadily or change direction.

STRAND D Nature of Science

OBJECTIVES

Conducting Investigations.

- Use senses to make observations.
- Extend the senses through the use of simple tools.
- Observe, develop questions, predict and investigate.
- Experiment to discover properties of living and nonliving objects.
- Explore a variety of materials.
- Use observed data to classify objects.
- Identify properties of common objects.
- Identify and follow simple safety rules.