

Students will be able to: SKILLS IN INQUIRY-BASED LEARNING

- Ask questions about objects, organisms and events in the environment.
- Answer the questions “Why?” and “What would happen if...?”
- Make predictions based on observed patterns.
- Name and use simple equipment and tools (*rulers, meter sticks, thermometers, hand lenses and balances*) to gather data.
- Record observations and data with pictures, numbers, or written statements.
- Discuss observations with others.

Students will be able to: PHYSICAL SCIENCE

- Sort objects by observable properties (*size, shape, color, weight and texture*).
- Describe the various ways that objects can move (*in a straight line, zigzag, back and forth, round and round, fast and slow*).

Students will be able to: LIFE SCIENCE

- Recognize that animals (*including humans*) and plants are living things that grow, reproduce and need food, air and water.
- Recognize that plants and animals have life cycles and that live cycles vary for different living things.
- Recognize changes in appearance that animals and plants go through as the seasons change.

Students will be able to: EARTH AND SPACE SCIENCE

- Recognize that weather changes when temperature, precipitation and wind speed and direction changes.
- Recognize that some events around us have repeating patterns. (*seasons of the year, day and night*)
- Recognize that water, rocks, soil and living organisms are found on the earth’s surface.
- Recognize that the sun supplies heat and light to the earth and is necessary for life.
- Recognize that people and other animals interact with the environment through their senses of sight, hearing, touch, smell, and taste.

Students will be able to: TECHNOLOGY

- Identify and describe characteristics of natural and human-made materials.
- Identify and explain possible uses for natural and human-made materials.
- Describe the safe and proper use of tools and materials to construct simple structures.
- Describe how human beings and animals use parts of body as tools.