

Northwestern School Corporation

2010 Kindergarten Science

Course Outline

- I. The Nature of Science and Technology
 - A. Ask questions about our world.
 - B. Demonstrate that anyone can do science.
- II. Scientific Thinking
 - A. Use whole numbers, up to 10, in counting, identifying, sorting, and describing objects and experiences.
 - B. Use pictures and words to describe objects and experiences.
- III. The Physical Setting
 - A. Describe objects in terms of the materials they are made of, such as clay, cloth, paper, etc.
 - 1. Describe how things move.
 - 2. Observe solids, liquids, and gases.
 - 3. The water cycle
 - 4. Recognize that fuel/energy is necessary to do work.
 - 5. Identify energy sources.
 - B. Investigate and state that things move in different ways. (fast, slow, etc.)
 - 1. Observe and describe daily weather.
 - 2. Compare the characteristics of the four seasons.
 - 3. Promote awareness of pollution and respect of the environment.
- IV. The Living Environment
 - A. Give examples of plants and animals.
 - 1. Give examples of animal social behaviors
 - 2. Observe and describe characteristics common to different plants
 - B. Observe plants and animals, describing how they are alike and how they are different in the way that they look and in the things they do.

1. Identify stages of animal development.
2. Identify animal adaptations for environments and/or survival
3. Identify the three major plant parts and their functions
4. Identify the needs of a plant for growth (food, water, light)
5. Differentiate between living, and non-living.

V. Mathematical World

- A. Use shapes, such as circles, squares, rectangles, and triangles, to describe different objects.

VI. Common Themes

- A. Describe an object by saying how it is similar to or different from another object.