



Shakopee Area Catholic School
SUBJECT Standards and Benchmarks
Grade Level: K
(FOSS™) Minnesota Science Standards

SCIENCE AS INQUIRY

Standard: Develop students' abilities to do and understand scientific inquiry.

1. Ask and answer questions.
2. Plan and conduct simple investigations.
3. Communicate investigations and explanations.

CONTENT: LIFE SCIENCE

Standard: Develop students' beginning awareness of the characteristics of organisms.

1. All organisms have basic needs. Trees need water, nutrients in the soil, light, and air.
2. Organisms have different structures that serve different functions in growth, survival, and reproduction.

Standard: Develop students' beginning awareness of life cycles of organisms.

1. Trees have life cycles that include growth from seed, developing into mature trees, and formation of new seeds.

Standard: Develop students' beginning awareness of organisms and their environments.

1. All animals depend on plants. Many animals depend on trees for food or shelter.
2. Organisms cause changes to their environment.

Standard: Develop students' beginning awareness of the characteristics of organisms.

1. All organisms have basic needs. Animals need air, food, water, and space to live.
2. Animals have different structures that serve different functions in growth and survival.
3. The behavior of an animal is influenced by cues. Animals have senses to detect cues and changes in their environment.

Standard: Develop students' understanding of the life cycles of organisms.

1. Animals closely resemble their parents.

Standard: Develop students' beginning awareness of organisms and the environment.

1. Many animals eat plants.
2. Animals react to the conditions of their environment.

3. All animals, including humans, change their environment. Some changes are detrimental; some are beneficial.

SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES

Standard: Develop students' beginning awareness of personal health.

1. Cleanliness is important for maintaining health.

Standard: Develop students' understanding of wise use of resources.

1. Resources are materials we get from the environment to meet our needs.
2. Many resources, such as wood, can be limited. If used, resources can be extended through recycling and decreased use.

Standard: Develop students' beginning awareness of types of resources.

1. Resources are things we get from living and nonliving things to meet our needs.

CONTENT: PHYSICAL SCIENCE

Standard: Develop students' understanding of the properties of materials.

1. Materials have many observable properties including texture, odor, weight, color, and the ability to react with other substances.
2. Objects are made from one or more materials.
3. Objects can be described and sorted by the properties of materials from which they are made.

CONTENT: SCIENCE AND TECHNOLOGY

Standard: Develop students' abilities to distinguish between natural objects and objects made by humans.

1. Some objects occur in nature; others have been designed and made by people to solve problems.