

MINNESOTA ACADEMIC STANDARDS GRADE 2

SCIENCE

Strand	Sub-Strand	Standard	Benchmarks
Strand: I. HISTORY AND NATURE OF SCIENCE	Sub-Strand: A. Scientific World View	Standard: The student will understand that science is a human endeavor practiced throughout the world.	Benchmarks: 1. The student will recognize that repeating a scientific investigation will lead to very similar results. 2. The student will recognize that scientific investigations generally work the same way in different places. 3. The student will give examples of scientific advances throughout history. 4. The student will recognize that everyone can do science and invent things and ideas.
Strand: I. HISTORY AND NATURE OF SCIENCE	Sub-Strand: B. Scientific Inquiry	Standard: The student will raise questions about the natural world, make careful observations and seek answers.	Benchmarks: 1. The student will use appropriate tools to gather and organize data. 2. The student will recognize and describe patterns in data.
Strand: II. PHYSICAL SCIENCE	Sub-Strand: A. Structure of Matter	Standard: The student will understand that objects can be sorted and classified based on their properties.	Benchmarks: 1. The student will sort and classify objects in terms of color, size, shape, weight, texture, flexibility and attraction to magnets. 2. The student will classify a substance as a solid, liquid or gas. 3. The student will know that solids have a definite shape and that liquids take the shape of their container. 4. The student will observe that water can be a solid or liquid and can change from one state to the other.
Strand: II. PHYSICAL SCIENCE	Sub-Strand: D. Motion	Standard: The student will know that objects move in various ways.	Benchmarks: 1. The student will observe and describe how objects move in a variety of ways, including, but not limited to, a straight line, a curve, a circle, back and forth and at different speeds. 2. The student will observe that push and pull forces can make objects move.
Strand: III. EARTH AND SPACE SCIENCE	Sub-Strand: A. Earth Structure and Processes	Standard: The student will recognize basic Earth materials.	Benchmarks: 1. The student will observe and describe rocks, soils, water and air.

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Strand	Sub-Strand	Standard	Benchmarks
Strand: IV. LIFE SCIENCE	Sub-Strand: B. Diversity of Organisms	Standard: The student will recognize that plants and animals have life cycles.	Benchmarks: 1. The student will describe life cycles of plants and animals.
Strand: IV. LIFE SCIENCE	Sub-Strand: C. Interdependence of Life	Standard: The student will understand that organisms live in different environments.	Benchmarks: 1. The student will observe and describe some features of plants and animals that allow them to live in specific environments.
Strand: IV. LIFE SCIENCE	Sub-Strand: E. Biological Populations Change Over Time	Standard: The student will understand that biological populations change over time.	Benchmarks: 1. The student will know that some kinds of organisms that once lived on Earth are now extinct, including, but not limited to, dinosaurs, trilobites, mammoths, giant tree ferns and horsetail trees.
Strand: IV. LIFE SCIENCE	Sub-Strand: F. Flow of Matter and Energy	Standard: The student will investigate feeding relationships among organisms.	Benchmarks: 1. The student will observe and describe predator and prey relationships. 2. The student will compare and contrast plant eaters and meat eaters.
Strand: IV. LIFE SCIENCE	Sub-Strand: G. Human Organism	Standard: The student will recognize that people have basic needs.	Benchmarks: 1. The student will know that people need water, food, air, waste removal and a particular range of temperature in their environment, just like other animals behavior.