

Human Body



Heredity and Disease

- Describe similarities that are inherited from a biological parent.
- Explain how tears, saliva, and skin can protect the body from harmful germs.

Earth Science

Universe, Earth, Environment

The Earth's Surface

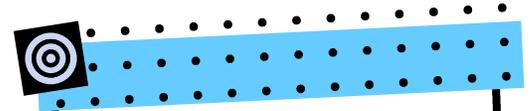
- Observe, identify and compare components of soils and rocks.
- Recognize and identify the four basic materials of the earth.
- Observe and compare the properties of rocks.
- Investigate how local landforms are affected by wind, water or ice.
- Compare local landforms with models created in the classroom.

Weather and the Water Cycle

- Observe, record and analyze local weather data and make predictions based on that data.
- Describe water as it changes into vapor in the air and reappears as a liquid when it is cooled.
- Explain how the water cycle relates to weather and the formation of clouds.

Natural Resources

- Observe and describe properties of living and non-living resources.
- Explain how the properties of living and non-living resources make them suitable for use by humans.



PARENT RESOURCE



Science Grade 4



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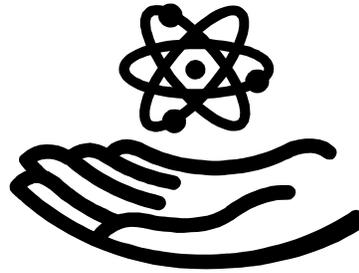
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Grade 4 Science

The goal of fourth grade science instruction is for all students to develop scientific proficiency. Throughout all units students will ask questions, make predictions, design and conduct experiments, and gather data to analyze and apply the results. The end result is the ability to think and reason through scientific inquiry and use the scientific process. The following outline provides an overview of what students should know and be able to do by the end of fourth grade.



Physical Science



Matter

- Investigate and measure how the total weight of the parts of a substance, no matter how they are combined, remains the same.
- Identify, describe, and compare the properties of selected solids, liquids, and gases.
- Experiment with gas in a closed container and describe how pressure on the container changes when the volume of the gas changes.
- Investigate and explain what happens to liquids in open containers.

Force

- Investigate and describe how different amounts of force can change the position or direction of motion of an object.

Life Science

Animals and Ecosystems

- Explain how the physical characteristics of an animal allows it to survive and defend itself.
- Identify the source of energy for the survival of animals.



- Explain how one animal depends upon another animal to survive.
- Identify differences in characteristics of a certain type of animal (e.g., dogs with long hair or short hair; humans with blue or brown eyes).