



School District of Pickens County

Building success beyond the classroom

SC Standards: Science

Fourth Grade

Unit: Scientific Inquiry and Process Skills

- Science-4-1.1 Classify observations as either quantitative or qualitative.
- Science-4-1.2 Use appropriate instruments and tools (including a compass, an anemometer, mirrors, and a prism) safely and accurately when conducting simple investigations.
- Science-4-1.3 Summarize the characteristics of a simple scientific investigation that represent a fair test (including a question that identifies the problem, a prediction that indicates a possible outcome, a process that tests one manipulated variable at a time, and r
- Science-4-1.4 Distinguish among observations, predictions, and inferences.
- Science-4-1.5 Recognize the correct placement of variables on a line graph.
- Science-4-1.6 Construct and interpret diagrams, tables, and graphs made from recorded measurements and observations.
- Science-4-1.7 Use appropriate safety procedures when conducting investigations.

Unit: Life Science: Organisms and Their Environments

- Science-4-2.1 Classify organisms into major groups (including plants or animals, flowering or nonflowering plants, and vertebrates [fish, amphibians, reptiles, birds, and mammals] or invertebrates) according to their physical characteristics.
- Science-4-2.2 Explain how the characteristics of distinct environments (including swamps, rivers and streams, tropical rain forests, deserts, and the polar regions) influence the variety of organisms in each.
- Science-4-2.3 Explain how humans and other animals use their senses and sensory organs to detect signals from the environment and how their behaviors are influenced by these signals.
- Science-4-2.4 Distinguish between the characteristics of an organism that are inherited and those that are acquired over time.
- Science-4-2.5 Explain how an organism's patterns of behavior are related to its environment (including the kinds and the number of other organisms present, the availability of food and other resources, and the physical characteristics of the environment).
- Science-4-2.6 Explain how organisms cause changes in their environment.

Unit: Astronomy

- Science-4-3.1 Recall that Earth is one of many planets in the solar system that orbit the Sun.
- Science-4-3.2 Compare the properties (including the type of surface and atmosphere) and the location of Earth to the Sun, which is a star, and the Moon.



School District of Pickens County

Building success beyond the classroom

SC Standards: Science

Fourth Grade

Science-4-5.3 Summarize how light travels and explain what happens when it strikes an object (including reflection, refraction, and absorption).

Science-4-5.4 Compare how light behaves when it strikes transparent, translucent, and opaque materials.

Unit: Magnets

Science-4-5.1 Summarize the factors that affect the strength of an electromagnet.

Science-4-5.9 Summarize the properties of magnets and electromagnets (including polarity, attraction/repulsion, and strength).