

Science Grade 2

Scientific Inquiry

- Asks questions about objects, organisms, and events
- Uses observations to make simple predictions
- Conducts and designs simple explorations and investigations
- Identifies patterns based on observations
- Compares and groups objects based on observable and measurable characteristics
- Analyzes and makes statements about data displayed in a graph
- Communicates scientific explorations through discussions with peers
- Identifies examples of safe practices in science

History and Nature of Science

- Builds awareness that science and technology have been practiced for a long time
- Explains that science involves thinking, asking questions about the world
- Recognizes that in science people share and critique new information with others
- Recognizes that people have made contributions to science

Science in Personal and Social Perspectives

- Describes basic resources that are found in their environments
- Identifies ways in which humans use resources obtained from the environment

Science and Technology

- Describes basic resources that are found in their environments
- Identifies ways in which humans use resources obtained from the environment
- Identifies a simple problem, proposes a solution for the problem
- Recognizes that technological solutions are human designed
- Recognizes that things found in nature are different from that are made by humans
- Identifies some of the human-made things that aid in scientific inquiry

Physical Science

- Begins to understand that materials can exist as solids, liquids, and gases
- Investigates changes in the observable properties of materials
- Investigates how vibrations produce sound and that sound can travel through many materials

Life Science

- Describes structures of plants and animals that help them meet basic needs
- Determines that the life cycles of living things
- Observes how organisms interact with their environments to meet their needs

Earth and Space Sciences

- Recognizes humans' dependence on earth materials
- Identifies patterns of seasonal changes in weather
- Compares the apparent path of the sun and moon across the sky

*A DoDEA standards reference tool for teachers of grades PK-12. Complete standards for Science are listed at the DoDEA web site: <http://www.ododea.edu> (Standards & Curriculum-PK-12 Standards & Curriculum- Content Standards)

Standards Referenced*

- Investigates the appearance of stars in the night sky