

Science: Grade 1

Scientific Inquiry

- Asks questions about objects, organisms, and events
- Uses observations to make simple predictions
- Plans and conducts simple explorations and investigations
- Identifies patterns based on observations
- Compares objects based on observable and measurable characteristics
- Communicates scientific explorations through discussions with peers
- Identifies examples of safe practices in science

History and Nature of Science

- Realizes that people have been doing science for a long time
- Expresses that science involves thinking, asking questions about the world
- Recognizes that in science people share ideas and findings
- Provides examples of how diverse people

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 and discusses ways some of those resources can be conserved
- 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 those that are made by humans

Physical Science

- Examines how properties of objects may differ from the properties of the materials
- Demonstrates that pushes and pulls can change the motion of objects
- Builds an understanding that the motion of objects is affected by a “pull” towards earth
- Examines how light travels in a straight line until it reaches an object; and that it can travel through or be reflected off the object

Life Science

- Examines characteristics of plants and animals and describes how those characteristics help the organism to live
- Determines how an organism’s habitat provides for its basic needs

Earth and Space Sciences

- Examines how rocks and soils can vary greatly in appearance
- Investigates how weather can cause change
- Monitors the apparent path of the sun 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)