

S1: Scientific Inquiry

The student demonstrates abilities necessary to do scientific inquiry and an understanding about scientific inquiry; that is, the student:

- S1a:** asks questions about objects, organisms, events and relationships in the environment.
- S1b:** accesses information from a variety of sources.
- S1c:** plans and conducts explorations and simple investigations.
- S1d:** uses simple equipment and tools to observe, gather, and record data.
- S1e:** uses observations and recorded data to construct reasonable explanations.
- S1f:** communicates scientific explorations, investigations and explanations through speaking, drawing, and writing.

S2: History and Nature of Science

The student demonstrates an understanding of science as a human endeavor; that is, the student:

- S2a:** demonstrates curiosity and initiative in thinking about and doing science.
- S2b:** works alone or as a team member when engaged in science, and shares ideas and explains scientific findings.
- S2c:** recognizes that people of all ages, backgrounds, and groups have made contributions to science and technology.

S3: Science in Personal and Social Perspectives

The student demonstrates an understanding of safety, types of resources, and changes in the environment; that is, the student:

- S3a:** demonstrates personal and group safety when engaged in science at school.
- S3b:** identifies and compares sources and quantities of resources.
- S3c:** practices conservation of resources.

S4: Science and Technology

The student demonstrates an understanding about science and technology and the nature of technological design; that is, the student:

- S4a:** explains how tools are designed to help people to extend their senses and solve problems.
- S4b:** uses tools to measure, construct, and test their own product/design.
- S4c:** explains how tools and technology are used to make our lives easier.

DoDEA Grade 1 Science Standards

S5: Physical Science

The student demonstrates an understanding of matter, motion, and energy; that is, the student:

S5a: recognizes that materials exist in different states.

S5b: demonstrates how pushing and pulling will change the movement of an object related to its speed, position, and direction.

S5c: explores light, heat, and magnetism as forms of energy.

S6: Life Science

The student demonstrates an understanding of the characteristics of organisms, their life cycles, and their environments; that is, the student:

S6a: identifies and describes the physical characteristics of plants and animals that live in their environments.

S6b: explores the life cycles of organisms.

S6c: identifies the physical characteristics an organism needs to adapt to changes in their environment.

S7: Earth and Space Sciences

The student demonstrates an understanding of Earth materials, objects in the sky, and changes in Earth and sky; that is, the student:

S7a: compares, classifies, and describes the properties of rocks, soil, and water.

S7b: describes factors that contribute to weather and its changes (e.g., temperature, wind, precipitation).

S7c: compares and explains changes in the Earth and sky.