

DoDEA Kindergarten Science Standards

S1: Scientific Inquiry

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

S1a: asks questions about objects, organisms, and events in their environment.

S1b: accesses information from a variety of sources.

S1c: plans and conducts simple explorations through active play.

S1d: uses simple equipment and tools to gather data and extend the senses.

S1e: uses observations to construct reasonable explanations.

S1f: communicates scientific explorations and explanations through speaking, drawing and writing.

S2: History and Nature of Science

The student develops an awareness of science as a human endeavor; that is, the student:

S2a: demonstrates curiosity and initiative during active play and explorations.

S2b: recognizes that in science people work alone or as a team to share ideas and findings.

S2c: recognizes the use of science and technology in their everyday lives.

S3: Science in Personal and Social Perspectives

The student develops an understanding of safety and types of resources as it relates to their immediate environment; that is, the student:

S3a: demonstrates personal and group safety when engaged in science.

S3b: describes the various resources in their environment.

S3c: practices conservation of resources.

S4: Science and Technology

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

S4a: recognizes that tools and technology can be used to observe, measure, and construct things.

S4b: explains how tools and technology are used at home and school.

S4c: identifies ways that tools and technology are used to make our lives easier.

S5: Physical Science

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

S5a: classifies objects according to observable properties.

S5b: explores and explains how physical properties may affect the motion of objects.

S5c: describes observable properties of light, heat, and magnets.

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S6: Life Science

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

S6a: observes the physical characteristics of plants and animals in their environment.

S6b: compares growth and change in living organisms.

S6c: develops respect, care, and sensitivity to the needs of living organisms in the environment.

S7: Earth and Space Sciences

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

S7a: identifies and describes simple properties of rock, soil, and water.

S7b: identifies and describes different types of weather.

S7c: identifies and describes features of objects in the sky (e.g., sun, moon, and stars).