

DoDEA Pre-K Science Standards

S1: Scientific Inquiry

The student begins to develop abilities necessary to do scientific inquiry and to explore through scientific inquiry; that is, the student:

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

S1b: accesses information by asking questions.

S1c: conducts simple explorations through observation and active play.

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

S1e: uses observations to answer questions.

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

S2: History and Nature of Science

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

S2a: demonstrates curiosity during active play and explorations.

S2b: recognizes that in science it is possible to work alone or as a team.

S2c: recognizes how science and technology are used in their everyday lives.

S3: Science in Personal and Social Perspectives

The student begins to develop an awareness of safety and types of resources as it relates to the immediate environment; that is, the student:

S3a: demonstrates personal and group safety during active exploration and observation.

S3b: identifies resources in their immediate environment.

S3c: practices conservation of resources.

S4: Science and Technology

The student begins to develop an understanding about science and technology; that is, the student:

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

S4b: identifies ways tools and technology are used at home and school.

S4c: recognizes that people are always inventing new tools and ways of doing things.

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S5: Physical Science

The student begins to develop an understanding of matter, motion and energy; that is, the student:

S5a: identifies observable properties of objects and materials.

S5b: explores how objects move.

S5c: explores and identifies observable properties of light, heat, and magnets.

S6: Life Science

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

S6a: explores the differences between living and non-living things.

S6b: observes and describes change in personal growth and change in other living organisms.

S6c: develops sensitivity to the needs of living organisms in their environment.

S7: Earth and Space Sciences

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

S7a: explores and identifies simple properties of soil and water.

S7b: observes changes in weather over time.

S7c: observes and identifies changes in the Earth and sky.