

SCIENCE

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Science knowledge is developed through experiences with real animals, plants and objects in the classroom and the environment.

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Science Processes and Inquiry

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Standard 1: The child will investigate and experiment with objects to discover information.

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1. Develops increasing abilities to classify, compare, and contrast objects, events and experiences.
2. Explores and becomes familiar with simple scientific tools (e.g., magnifying glass, magnet).
3. Participates in simple experiments to discover information (e.g., bottles of water or homemade telephone to explore the vibration and sound, simple scale to determine heavy and light).
4. Ask questions, makes predictions, and communicates observations orally and/or in drawings.
5. Explores cause and effect (e.g., temperature determines clothing choices).

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Physical Science

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Standard 2: The child will investigate and describe objects that can be sorted in terms of physical properties.

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1. Develops an awareness of the sensory attributes of objects according to taste, smell, hearing, touch, and sight.
2. Develops an awareness of the properties of some objects (e.g., float-sink, heavy-light, rough-smooth, hard-soft, magnetic-nonmagnetic, solid- liquid, wet-dry).
3. Observes and describes how objects move (e.g., slide, turn, twirl, roll).

Life Science

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Standard 3: The child will observe and investigate plants and animals.

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1. Develops an awareness of what various plants and animals need for growth.
2. Demonstrates a beginning awareness of the changes that plants and animals go through during their life (e.g., seed/plant, egg/chicken).
3. Demonstrates a beginning awareness for the care of the plant and animal life around them.

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Earth/Space Science

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Standard 4: The child will investigate and observe the basic concepts of the Earth.

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1. Develops an awareness of the properties of common earth materials (e.g., soil, rocks, water).
2. Develops an awareness of daily weather (e.g., sunny, cloudy, rainy, snowy, windy, hot, warm, cold).
3. Develops an awareness of the four seasons (e.g., temperature, weather, appropriate clothing, changing leaves).
4. Observes and participates in a variety of activities related to preserving the environment.

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OAC 210:15-3-5—210:15-3-5.9

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