

Preschool Science
Year at a Glance
 2014-2015

Course Description:

In Preschool, instructional time should focus on three critical areas: scientific investigation of (1) Physical Science; (2) Life Science; (3) Earth Science. These concepts and associated skills are aligned with the Colorado Academic Standards for Science, incorporating 21st century skills and postsecondary and workforce readiness competencies.

Science
Grade Level Expectations at a Glance

Standard	Grade Level Expectation
Preschool	
1. Physical Science	1. Objects have properties and characteristics 2. There are cause-and-effect relationships in everyday experiences
2. Life Science	1. Living things have characteristics and basic needs 2. Living things develop in predictable patterns
3. Earth Science	1. Earth's materials have properties and characteristics that affect how we use those materials 2. Events such as night, day, the movement of objects in the sky, weather, and seasons have patterns

Physical Science	
CO Code	Evidence Outcome
1.1.a	Use senses to gather information about objects
1.1.b	Make simple observations, predictions, explanations, and generalizations based on real-life experiences
1.1.c	Collect, describe, and record information through discussion, drawings, and charts
1.2.a	Recognize and investigate cause-and effect relationships in everyday experiences – pushing, pulling, kicking, rolling, or blowing objects

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Life Science	
CO Code	Evidence Outcome
2.1.a	a. Use senses to gather information about living things
2.1.b	b. Observe and explore the natural processes of growing, changing, and adapting to the environment
2.1.c	c. Ask and pursue questions through simple investigations and observations of living things
2.1.d	d. Collect, describe, and record information about living things through discussion, drawings, and charts
2.2.a	a. Identify the common needs such as food, air, and water of familiar living things
2.2.b	b. Predict, explain, and infer patterns based on observations and representations of living things, their needs, and life cycles
2.2.c	c. Make and record by drawing, acting out, or describing observations of living things and how they change over time

Earth Science	
CO Code	Evidence Outcome
3.1.a	a. Use senses to gather information about Earth's materials
3.1.b	b. Make simple observations, explanations, and generalizations about Earth's materials based on real life experiences
3.1.c	c. Describe how various materials might be used based on characteristics or properties
3.2.a	a. Identify, predict, and extend patterns based on observations and representations of objects in the sky, daily weather, and seasonal changes
3.2.b	b. Observe and describe patterns observed over the course of a number of days and nights, possibly including differences in the activities or appearance of plants and animals