

Eads Elementary School Science Standards Kindergarten

SCIENCE STANDARD #1

Students understand the processes of scientific investigation and design, conduct, communicate about, and evaluate such investigations.

Ref.	Expectation	P	PP	NI	US
K.1.a.	Find answers to questions the teacher poses.				
K.1.b.	Begin to anticipate possible outcomes.				
K.1.c.	Use an assortment of tools to do things.				
K.1.d.	Uses senses to observe things.				
K.1.e.	Use descriptive words.				
K.1.f.	Draw or tell about what they saw.				

SCIENCE STANDARD #2

PHYSICAL SCIENCE: Students know and understand common properties, forms, and changes in matter and energy. Making Sounds: In second grade, students learn that sound is a form of energy that can be described and studied even though it cannot be held or touched.

Ref.	Expectation	P	PP	NI	US
K.2.a.	Use observations to describe the properties (size, shape, texture, color) of an object.				
K.2.b.	Sort objects by using sight, sound, smell, and touch.				
K.2.c.	Sort the same group of objects in different ways using one property at a time (eg: sort first by color, then by shape, followed by size).				
K.2.d.	Use location words to describe the position of an object (eg: “up,” “in front of”).				
K.2.e.	Moe an object in a variety of ways (eg: push, pull, turn, bounce).				
K.2.f.	Describe their own movement (eg: jump high, run fast).				

SCIENCE STANDARD #3:

LIFE SCIENCE: Students know and understand the characteristics and structure of living things, the processes of life, and how living things interact with each other and their environments. Plants and Their Needs: In second grade, students learn that plants grow from seeds and have similar parts and needs.

Ref.	Expectations	P	PP	NI	US
K.3.a.	Identify which body part is used for each sense.				
K.3.b.	Identify which sense they are using when they observe something.				
K.3.c.	Describe what each sense tells us (eg: touch tells us about things such as size, shape, texture, and temperature).				
K.3.d.	Explain that people have sense that help us find out about the world.				
K.3.e.	Name examples of physical features that people have in common.				

K.3.f.	Describe their own features (“I have...”)				
K.3.g.	Compare two students and name ways they look the same and ways they look different.				
K.3.h.	Realize that people are alike in many ways, and yet each person is unique.				

SCIENCE STANDARD #4:

EARTH AND SPACE SCIENCE: Students know and understand the processes and interactions of Earth’s systems and the structure and dynamics of Earth and other objects in space.

Ref.	Expectation	P	PP	NI	US
K..4.a.	Use more than one sense to find a sunny place.				
K.4.b.	Describe a sunny place (eg: light, bright, hot, warm).				
K.4.c.	Tell how sunny and shady places differ (eg: a shady place has less light and is not as warm.				
K.4.d.	Describe what to wear when given a specific weather condition.				
K.4.e.	Name things they might do when given a specific weather condition.				
K.4.f.	Use senses to describe weather conditions.				
K.4.g.	Choose a picture card that shows the daily weather and place it on a class graph or chart.				

SCIENCE STANDARD #5:

Students know and understand interrelationships among science, technology, and human activity and how they can affect the world.

Ref.	Expectations	P	PP	NI	US
K.5.a.	Invent a device that addresses an everyday problem (or task), and communicate the problem (or task), design, and solution.				

SCIENCE STANDARD #6:

Students understand that science involves a particular way of knowing and understand common connections among scientific disciplines.

Ref.	Expectations	P	PP	NI	US
K.6.a.	Identify patterns whenever appropriate (eg: in weather data, in shapes, in appearance of animals).				