

Jemez Valley Public Schools
KINDERGARTEN SCIENCE • CONTENT MAP

Quadrant I	Quadrant II	Quadrant III	Quadrant IV
Strand I: Scientific Thinking and Practice			
Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.			
<ul style="list-style-type: none"> • Ask and answer questions about surroundings and share findings with classmates. • Record observations and data with pictures, numbers, and/or symbols. • Communicate observations and answer questions about surroundings. 	<ul style="list-style-type: none"> • Ask and answer questions about surroundings and share findings with classmates. • Record observations and data with pictures, numbers, and/or symbols. • Communicate observations and answer questions about surroundings. 	<ul style="list-style-type: none"> • Ask and answer questions about surroundings and share findings with classmates. • Record observations and data with pictures, numbers, and/or symbols. • Communicate observations and answer questions about surroundings. 	<ul style="list-style-type: none"> • Use observation and questioning skills in science inquiry (e.g., What happens when something is pushed or pulled?). • Ask and answer questions about surroundings and share findings with classmates. • Record observations and data with pictures, numbers, and/or symbols. • Communicate observations and answer questions about surroundings. • Observe and describe the relative sizes and characteristics of objects (e.g., bigger, brighter, louder, smellier).
Quadrant I	Quadrant II	Quadrant III	Quadrant IV
Strand II: Content of Science			
Standard I: (Physical Science) Understand the structure and properties of matter, the characteristics of energy, and the interactions between matter and energy.			
		<ul style="list-style-type: none"> • Observe that objects are made of different types of materials (e.g., metal, plastic, cloth, wood). 	<ul style="list-style-type: none"> • Observe how energy does things (e.g., batteries, the sun, wind, electricity). • Observe that things move in many different ways (e.g., straight line, vibration, circular). • Know that the position and motion of an object (direction or speed) are changed by pushing or pulling it.
Quadrant I	Quadrant II	Quadrant III	Quadrant IV
Strand II: Content of Science			
Standard I: (Life Science) Understand the properties, structures, and processes of living things and the interdependence of living things and their environments..			
<ul style="list-style-type: none"> • Observe that differences exist among individual living organisms (e.g., plants, animals) of the same kind. • Use the senses (e.g., sight, hearing, smell, taste, touch) to observe surroundings, and describe the observations. • Identify the parts of the human body (e.g., legs, arms, head, hands, and the functions of these parts). 	<ul style="list-style-type: none"> • Identify major structures of common living organisms (e.g., stems, leaves, and roots of plants; arms, wings, and legs of animals). • Observe and describe similarities and differences in the appearance and behavior of living organisms (e.g., plants and animals). • Observe that living organisms (e.g., plants, animals) closely resemble their parents. 		

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Strand II: Content of Science			
Standard III: (Earth and Space Science) Understand the structure of Earth, the solar system, and the universe, the interconnections among them, and the processes and interactions of Earth's systems.			
		<ul style="list-style-type: none"> ● Observe that there are many objects in the night sky and that some are brighter than others. ● Observe that changes in weather occur from day to day and season to season. ● Observe that the sun warms the land and water and they warm the air. 	<ul style="list-style-type: none"> ● Describe the location and movements of objects in the sky (e.g., stars, sun, moon).
Quadrant I	Quadrant II	Quadrant III	Quadrant IV
Strand II: Science and Society			
Standard I: Understand how scientific discoveries, inventions, practices, and knowledge influence, and are influenced by, individuals and societies.			
<ul style="list-style-type: none"> ● Recognize that germs exist and may cause disease. ● Describe how science helps provide products we use every day (e.g., gasoline for cars; electricity for lights, refrigerators, TVs; gas or electricity for heating, cooking). 			