



Gulfport School District PACING GUIDE

KINDERGARTEN SCIENCE

Content Strands: Inquiry (I), Life (L), Earth and Space (E), and Physical Science (P)		
QTR	Competency/Objective	
Ask questions and find answers by scientific investigation. (I)		
1	1a	Demonstrate an understanding of a simple investigation by asking questions. (DOK 2)
1	1b	Compare, sort, and group objects according to size, shape, color, and texture. (DOK 2)
1	1c	Identify simple tools (rulers, thermometers, scales, and hand lenses) used to gather information. (DOK 1)
1	1d	Recognize that people have always had questions about their world and identify science as one way of answering questions and explaining the natural world. (DOK 1)
1	1e	Describe ideas using drawings and oral expression. (DOK 2)
1	1f	Recognize that when a science investigation is done the way it was done before, very similar results are expected. (DOK 1)
Identify properties of objects and materials, position and motion of objects, and properties of magnetism. (P)		
4	2a	Classify properties of objects and materials according to their observable characteristics. (DOK 2) <ul style="list-style-type: none"> • Materials (e.g., wood, paper, plastic, metal) • Matter (solid or liquid) • Objects that sink or float in water
4	2b	Differentiate what happens to water left in an open container (disappears) and water left in a closed container (remains). (DOK 1)
4	2c	Compare types of forces and motion. (DOK 1) <ul style="list-style-type: none"> • External motion of objects (e.g., straight-line, circular, back-and-forth, rotational) • Internal motion of objects (e.g., bending, stretching)
4	2d	Compare the interaction between two magnets and the interaction between magnets and other objects (e.g., iron, other metals, wood, water). (DOK 1)
Understand characteristics, structures, life cycles, and environments of organisms. (L)		
3	3a	Group animals and plants by their physical features (e.g., size, appearance, color). (DOK 2)
3	3b	Compare and contrast physical characteristics of humans. (DOK 1) <ul style="list-style-type: none"> • The five senses (sight, smell, touch, taste, hearing) and corresponding body parts • The six major body organs (brain, skin, heart, lungs, stomach, intestines)



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3	3c	Classify parts of the human body that help it seek, find, and take in food when it feels hunger. (DOK 1) <ul style="list-style-type: none"> • Eyes and nose for detecting food • Legs to get it • Arms to carry it away • Mouth to eat it
3	3d	Identify offspring that resemble their parents. (DOK 1)
3	3e	Recognize and compare the differences between living organisms and non-living materials. (DOK 2)
Understand properties of Earth materials, objects in the sky, and changes in Earth and sky. (E)		
2	4a	Sort, separate, and classify Earth materials (e.g., clay, silt, sand, pebbles, gravel) using various strategies. (DOK 2)
2	4b	Identify and describe properties of Earth materials (soil, rocks, water, and air). (DOK 1)
2	4c	Collect and display local weather data. (DOK 2)
2	4d	Describe ways to conserve water. (DOK 2)
2	4e	Describe the effects of the Sun on living and non-living things. (DOK 1) <ul style="list-style-type: none"> • Warms the land, air, and water • Helps plants grow
2	4f	Identify the Sun as Earth's source of light and heat and describe changes in shadows over time. (DOK 2)