



# Gulfport School District SIXTH GRADE

## Quarter 1: Blueprint SCIENCE

Content Strands: Inquiry (I), Life (L), Earth and Space (E), and Physical Science (P)		
QTR	Competency/Objective	
	<b>Conduct a scientific investigation utilizing appropriate process skills. (I)</b>	
1-4 Tested 4	1a	Design and conduct an investigation that includes predicting outcomes, using experimental controls, and making inferences. (DOK 3)
1-4 Tested 4*	1b	Distinguish between qualitative and quantitative observations and make inferences based on observations. (DOK 3)
1-4  Tested 1*  Tested 4  Tested 2*  Tested 4*  Tested 4	1c	Use simple tools and resources to gather and compare information (using standard, metric, and non-standard units of measurement). (DOK 1) <ul style="list-style-type: none"> <li>• Tools (e.g., English rulers [to the nearest one-sixteenth of an inch], metric rulers [to the nearest millimeter], thermometers, scales, hand lenses, microscopes, balances, clocks, calculators, anemometers, rain gauges, barometers, hygrometers,</li> <li>• Tools (e.g., telescopes, compasses, spring scales)</li> <li>• Types of data (e.g., mass, volume, temperature, time, area, perimeter)</li> <li>• Types of data (e.g., linear measures)</li> <li>• Resources (e.g., Internet, electronic encyclopedias, journals, community resources, etc.)</li> </ul>
1-4 Tested 4*	1d	Analyze data collected from a scientific investigation to construct explanations and draw conclusions. (DOK 3)
1-4 Tested 4*	1e	Communicate scientific procedures and conclusions using diagrams, charts, tables, graphs, maps, written explanations, and/or scientific models. (DOK 2)
1-4 Tested 4	1f	Evaluate the results or solutions to problems by considering how well a product or design met the challenge to solve a problem. (DOK 3)
1-4 Tested 4*	1g	Infer explanations for why scientists might draw different conclusions from a given set of data. (DOK 2)
1-4 Tested 4	1h	Recognize and analyze alternative explanations and predictions. (DOK 2)

\*These skills are tested during the indicated Quarter and correlated with the Mathematics pacing guide.



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<b>QTR</b>	<b>Competency/Objective</b>	
	<b>Establish connections among Earth's layers including the lithosphere, hydrosphere, and atmosphere. (E)</b>	
1	4a	Compare and contrast the relative positions and components of the Earth's crust (e.g., mantle, liquid and solid core, continental crust, oceanic crust). (DOK 1)
1	4b	Draw conclusions about historical processes that contribute to the shaping of planet Earth. (DOK 3) <ul style="list-style-type: none"> <li>• Movements of the continents through time</li> <li>• Continental plates, subduction zones, trenches, etc.</li> </ul>
1	4c	Analyze climate data to draw conclusions and make predictions. (DOK 2)
1	4e	Explain the daily and annual changes in the Earth's rotation and revolution. (DOK 2) <ul style="list-style-type: none"> <li>• How the positions of the Moon and the Sun affect tides</li> <li>• The phases of the Moon (e.g., new, crescent, half, gibbous, full, waxing, waning)</li> </ul>
1	4f	Differentiate between objects in the universe (e.g., stars, moons, solar systems, asteroids, galaxies). (DOK 1)