



Gulfport School District QUARTER 2.1 BLUEPRINT

ENVIRONMENTAL SCIENCE

Content Strands: Inquiry (I), Earth and Space (E), Field Experiences (F)		
QTR	Competency/Objective	
	Develop an understanding of the relationship of ecological factors that effect an ecosystem. (E)	
2.1	2b	Explain the flow of matter and energy in ecosystems. (DOK 2) <ul style="list-style-type: none"> • Interactions between biotic and abiotic factors • Indigenous plants and animals and their roles in various ecosystems • Biogeochemical cycles within the environment
2.1	2c	Predict the impact of the introduction, removal, and reintroduction of an organism on an ecosystem. (DOK 3)
2.1	2d	Develop a logical argument explaining the relationships and changes within an ecosystem. (DOK 2) <ul style="list-style-type: none"> • How a species adapts to its niche • Process of primary and secondary succession and its effects on a population • How changes in the environment might affect organisms
2.1	2e	Explain the causes and effects of changes in population dynamics (e.g., natural selection, exponential growth, predator/prey relationships) to carrying capacity and limiting factors. (DOK 2)
2.1	2f	Research and explain how habitat destruction leads to the loss of biodiversity. (DOK 2)