Florida Academic Standards

Florida academic standards that support the Gulf Stories 2 course content:

Module: “The Complex Ecology of Coastal Environments”

SC.912.L.14.6: Explain the significance of genetic factors, environmental factors, and pathogenic agents to health from the perspectives of both individual and public health.

SC.912.L.17.15: Discuss the effects of technology on environmental quality.

SC.912.L.17.17: Assess the effectiveness of innovative methods of protecting the environment.

SC.912.L.18.12: Discuss the special properties of water that contribute to Earth’s suitability as an environment for life.

Module: “Bad Genes: Human Impact on Aquatic DNA”

SC.912.L.14.6: Explain the significance of genetic factors, environmental factors, and pathogenic agents to health from the perspectives of both individual and public health.

SC.912.L.15.3: Describe how biological diversity is increased by the origin of new species and how it is decreased by the natural process of extinction.

SC.912.L.17.8: Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.

SC.912.L.17.17: Assess the effectiveness of innovative methods of protecting the environment.

Module: “Art, Science and Our Experience of the Physical World”

VA.912.C.1.1: Integrate curiosity, range of interests, attentiveness, complexity, and artistic intention in the art-making process to demonstrate self-expression.

VA.912.F.3.3: Discuss how the arts help students develop self-reliance and promote collaboration to strengthen leadership capabilities as priorities change.

VA.912.S.1.2: Investigate the use of technology and other resources to inspire art-making decisions.

Module: “Citizen Science and the Purposeful Act of Learning”

SC.912.N.1.1: Define a problem based on a specific body of knowledge.
SC.912.N.1.7: Recognize the role of creativity in constructing scientific questions, methods and explanations.

SC.912.N.4.1: Explain how scientific knowledge and reasoning provide an empirically based perspective to inform society’s decision-making.

Module: “The Effects of UV Radiation and Man-Made Disasters in the Gulf”

SC.912.N.4.2: Weigh the merits of alternative strategies for solving a specific societal problem by comparing a number of different costs and benefits, such as human, economic, and environmental.

SC.912.L.17.13: Discuss the need for adequate monitoring of environmental parameters when making policy decisions.

SC.912.L.17.16: Discuss the large-scale environmental impacts resulting from human activity, including waste spills, oil spills, runoff, etc.

Grades 4 through 8 Standards Supported Within Course:

SC.4.L.17.4: Recognize ways plants and animals, including humans, can impact the environment.

SC.5.L.15.1: Describe how, when the environment changes, differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations.

SC.6.E.7.7: Investigate how natural disasters have affected human life in Florida.

SS.8.G.5.1: Describe human dependence on the physical environment and natural resources to satisfy basic needs in local environments in the United States.