



# Around the World in 500 Years

## Social Studies, Science, Math and English Language Arts

### Florida State Standards

SS.8.E.3.1:	Evaluate domestic and international interdependence.	SS.912.G.6.1:	Use appropriate maps and other graphic representations to analyze geographic problems and changes over time.
SS.8.G.4.1:	Interpret population growth and other demographic data for any given place in the United States throughout its history.	SS.912.G.5.4	Analyze case studies of how humans impact the diversity and productivity of ecosystems.
SS.8.G.4.4:	Interpret databases, case studies, and maps to describe the role that regions play in influencing trade, migration patterns, and cultural/political interaction in the United States throughout time.	MA.912.A.1.4	Perform operations on real numbers (including integer exponents, radicals, percents, scientific notation, absolute value, rational numbers, irrational numbers) using multi-step and real-world problems.
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.	MA.912.F.1.4	Demonstrate the relationship between compound interest and exponential growth.
SS.8.G.5.2:	Describe the impact of human modifications on the physical environment and ecosystems of the United States throughout history.	SC.912.L.17.6	Compare and contrast the relationships among organisms, including predation, parasitism, competition, commensalism, and mutualism.
SS.8.A.2.1:	Compare the relationships among the British, French, Spanish, and Dutch in their struggle for colonization of North America.	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.
SS.8.A.2.2:	Compare the characteristics of the New England, Middle, and Southern colonies.	SC.912.L.17.20	Predict the impact of individuals on environmental systems and examine how human lifestyles affect sustainability.
SS.912.A.6.15:	Examine key events and peoples in Florida history as they relate to United States history.		
SS.912.G.5.6:	Analyze case studies to predict how a change to an environmental factor can affect an ecosystem.		

## Next Generation Science Standards:

LAFS.8.W.3.7 LAFS.910.W.3.7 LAFS.1112.W.3.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.	MS-LS2-1	Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
LAFS.8.W.3.8 LAFS.910.W.3.8 LAFS.1112.W.3.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.	MS-LS2-2	Construct an explanation that predicts patterns of interaction among organisms across multiple ecosystems.
LAFS.8.SL.1.1 LAFS.910.SL.1.1 LAFS.1112.SL.1.1	Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9–10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	HS-LS2-2	Use mathematical representations to support and revise explanations based on evidence about factors affecting biodiversity and populations in ecosystems of different scales.
LAFS.8.SL.2.5 LAFS.910.SL.2.5 LAFS.1112.SL.2.5	Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.	HS-LS2-6	Evaluate claims, evidence, and reasoning that the complex interactions in ecosystems maintain relatively consistent numbers and types of organisms in stable conditions, but changing conditions may result in a new ecosystem.
		HS-LS2-7	Design, evaluate, and refine a solution for reducing the impacts of humans on the environment and biodiversity.