

Main Criteria: North Carolina Standard Course of Study

Secondary Criteria: Virtual Field Trips Subjects:

Science, Social Studies

Grade: 8

Correlation Options: Show Correlated

North Carolina Standard Course of Study

Science

Grade: 8 - Adopted: 2023

CONTENT AREA / STRAND		Eighth Grade
STRAND / ESSENTIAL STANDARD		Ecosystems – Interactions, Energy, and Dynamics
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	LS.8.2.	Understand how organisms interact with and respond to the biotic and abiotic factors in their environment.

CLARIFYING OBJECTIVE

LS.8.2.1.

Carry out investigations to explain how changing biotic and abiotic factors such as food, water, shelter, and space affect populations in an ecosystem.

Virtual Field Trips

Galapagos Islands

CLARIFYING OBJECTIVE

LS.8.2.2.

Construct an explanation to summarize the relationships among producers, consumers, and decomposers including the positive and negative consequences of such interactions including: coexistence and cooperation, competition (predator/prey), parasitism, and mutualism.

Virtual Field Trips

Amazon Rainforest - Grades 6-8

Galapagos Islands

CONTENT AREA / STRAND		Eighth Grade
STRAND / ESSENTIAL STANDARD		Earth's Place in the Universe
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	ESS.8.1.	Understand the history of Earth and its life forms based on evidence of change recorded in fossil records and landforms.

CLARIFYING OBJECTIVE

ESS.8.1.2

Engage in argument from evidence to explain the use of fossils, composition of sedimentary rocks, faults, and igneous rock formations found in rock layers as evidence of the history of the Earth and its life forms.

Virtual Field Trips

National Parks - Alaska & Hawaii

National Parks - Wyoming, Utah

CONTENT AREA / STRAND		Eighth Grade
STRAND / ESSENTIAL STANDARD		Earth's Systems
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	ESS.8.2.	Understand the hydrosphere including freshwater, estuarine, ocean systems.

CLARIFYING OBJECTIVE	ESS.8.2.1	Use models to explain the structure of the hydrosphere including: water distribution on earth, local river basins, estuaries, and water availability.
		<u>Virtual Field Trips</u> Canada: Coast to Coast National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado

CLARIFYING OBJECTIVE	ESS.8.2.2.	Use models to explain how temperature and salinity drive major ocean currents and how these currents impact climate, ecosystems, and the distribution of nutrients, minerals, dissolved gases, and life forms.
		<u>Virtual Field Trips</u> Galapagos Islands

CONTENT AREA / STRAND		Eighth Grade
STRAND / ESSENTIAL STANDARD		Earth and Human Activity
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	ESS.8.3.	Understand the reciprocal relationship between the hydrosphere and humans.

CLARIFYING OBJECTIVE	ESS.8.3.2	Engage in argument from evidence to explain that the good health of humans and the environment requires: monitoring of the hydrosphere, water quality standards, methods of water treatment, maintaining safe water quality, and stewardship.
		<u>Virtual Field Trips</u> Galapagos Islands

CONTENT AREA / STRAND		Eighth Grade
STRAND / ESSENTIAL STANDARD		Earth and Human Activity
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	ESS.8.4.	Understand the environmental implications associated with the various methods of obtaining, managing, and using energy resources.

CLARIFYING OBJECTIVE	ESS.8.4.1	Construct an explanation to classify the primary sources of energy as either renewable (Geothermal, Biomass, Solar, Wind, Hydroelectric) or nonrenewable (Coal, Petroleum, Natural Gas, Nuclear).
		<u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8

CLARIFYING OBJECTIVE	ESS.8.4.3.	Analyze and interpret data to illustrate the relationship between human activities and global temperatures since industrialization.
		<u>Virtual Field Trips</u> Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado

CLARIFYING OBJECTIVE	ESS.8.4.4.	Obtain, evaluate, and communicate information to compare the long term implications of the use of renewable and nonrenewable energy resources and the importance of stewardship and conservation.
		<u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8

North Carolina Standard Course of Study
Social Studies
Grade: 8 - Adopted: 2021/Effective 2021

CONTENT AREA / STRAND		NC and American History
STRAND / ESSENTIAL STANDARD		Inquiry 6-8
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE		Supporting Questions

CLARIFYING OBJECTIVE

I.1.2. Construct supporting questions based upon disciplinary concepts.

Virtual Field Trips

Ancient Egypt - Land of the Pharaohs

Ancient Egypt - Land of the Pyramids

Ancient Greece

Ancient Mayan Civilization

Ancient Rome

Canada: Coast to Coast

Rome - The Eternal City

CONTENT AREA / STRAND		NC and American History
STRAND / ESSENTIAL STANDARD		Inquiry 6-8
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE		Developing Claims and Using Evidence

CLARIFYING OBJECTIVE

I.1.5. Identify evidence that draws information from multiple perspectives.

Virtual Field Trips

Canada: Our Northern Neighbor

CONTENT AREA / STRAND		NC and American History
STRAND / ESSENTIAL STANDARD		Civics and Government
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.C&G.1 .	Understand how democratic principles have influenced the government structure and policies of North Carolina and the nation.

CLARIFYING OBJECTIVE

8.C&G.1.3. Critique the policies, laws, and government structures of North Carolina and the nation in terms of conforming to or conflicting with American democratic ideals.

Virtual Field Trips

Washington, DC - Grades 6 - 8

CLARIFYING OBJECTIVE

8.C&G.1.4. Compare different perspectives on the role of state, national, and tribal governments.

Virtual Field Trips

Washington, DC - Grades 6 - 8

CLARIFYING OBJECTIVE	8.C&G.1.5.	Compare access to democratic rights and freedoms of various indigenous, religious, racial, gender, ability and identity groups in North Carolina and the nation. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
CONTENT AREA / STRAND		NC and American History
STRAND / ESSENTIAL STANDARD		Geography
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.G.1.	Understand geographic factors that influence the development of North Carolina and the nation.
CLARIFYING OBJECTIVE	8.G.1.1.	Summarize the human and physical characteristics of North Carolina and the nation. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Washington, DC - Grades 6 - 8
CLARIFYING OBJECTIVE	8.G.1.2.	Explain how location, resources, and human geography have influenced the development of North Carolina and the nation. Virtual Field Trips National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Washington, DC - Grades 6 - 8
CONTENT AREA / STRAND		NC and American History
STRAND / ESSENTIAL STANDARD		History
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.H.2.	Understand how innovation and change have impacted the development of North Carolina and the nation.
CLARIFYING OBJECTIVE	8.H.2.2.	Explain the influences of individuals and groups during times of innovation and change in North Carolina and the nation. Virtual Field Trips Washington, DC - Grades 6 - 8

CLARIFYING
OBJECTIVE

8.H.2.3. Explain how the experiences and achievements of women, minorities, indigenous, and marginalized groups have contributed to the development of North Carolina and the nation over time.

Virtual Field Trips

National Parks - Alaska & Hawaii

National Parks - Nevada, California

National Parks - Washington, Oregon, Idaho, Montana, Colorado

National Parks - Wyoming, Utah