

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: 2010

CONTENT AREA / STRAND	NC.8.P.	Physical Science
STRAND / ESSENTIAL STANDARD		Energy: Conservation and Transfer
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.P.2.	Explain the environmental implications associated with the various methods of obtaining, managing, and using energy resources.
CLARIFYING OBJECTIVE	8.P.2.2.	Explain the implications of the depletion of renewable and nonrenewable energy resources and the importance of conservation. Virtual Field Trips The Amazon Rainforest - Part 2 - Older Grades
CONTENT AREA / STRAND	NC.8.E.	Earth Science
STRAND / ESSENTIAL STANDARD		Earth Systems, Structures and Processes
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.E.1.	Understand the hydrosphere and the impact of humans on local systems and the effects of the hydrosphere on humans.
CLARIFYING OBJECTIVE	8.E.1.1.	Explain the structure of the hydrosphere including:
INDICATOR	8.E.1.1.a.	Water distribution on earth Virtual Field Trips National Parks West - Nevada, California
INDICATOR	8.E.1.1.b.	Local river basins and water availability Virtual Field Trips National Parks West - Nevada, California National Parks of the Western Region - Part 1
CONTENT AREA / STRAND	NC.8.E.	Earth Science
STRAND / ESSENTIAL STANDARD		Earth Systems, Structures and Processes
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.E.1.	Understand the hydrosphere and the impact of humans on local systems and the effects of the hydrosphere on humans.
CLARIFYING OBJECTIVE	8.E.1.2.	Summarize evidence that Earth's oceans are a reservoir of nutrients, minerals, dissolved gases, and life forms:
INDICATOR	8.E.1.2.a.	Estuaries Virtual Field Trips National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
INDICATOR	8.E.1.2.b.	Marine ecosystems Virtual Field Trips Galapagos Islands Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks of the Western Region - Part 1
CONTENT AREA / STRAND	NC.8.E.	Earth Science
STRAND / ESSENTIAL STANDARD		Earth History

ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.E.2.	Understand the history of Earth and its life forms based on evidence of change recorded in fossil records and landforms.
CLARIFYING OBJECTIVE	8.E.2.2.	Explain the use of fossils, ice cores, composition of sedimentary rocks, faults, and igneous rock formations found in rock layers as evidence of the history of the Earth and its changing life forms. <u>Virtual Field Trips</u> National Parks of the Western Region - Part 1
CONTENT AREA / STRAND	NC.8.L.	Life Science
STRAND / ESSENTIAL STANDARD		Ecosystems
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.L.3.	Understand how organisms interact with and respond to the biotic and abiotic components of their environment.
CLARIFYING OBJECTIVE	8.L.3.1.	Explain how factors such as food, water, shelter and space affect populations in an ecosystem. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol
CONTENT AREA / STRAND	NC.8.L.	Life Science
STRAND / ESSENTIAL STANDARD		Ecosystems
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.L.3.	Understand how organisms interact with and respond to the biotic and abiotic components of their environment.
CLARIFYING OBJECTIVE	8.L.3.2.	Summarize the relationships among producers, consumers, and decomposers including the positive and negative consequences of such interactions including:
INDICATOR	8.L.3.2.a.	Coexistence and cooperation <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
INDICATOR	8.L.3.2.b.	Competition (predator/prey) <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades
INDICATOR	8.L.3.2.c.	Parasitism <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol
CONTENT AREA / STRAND	NC.8.L.	Life Science
STRAND / ESSENTIAL STANDARD		Ecosystems
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.L.3.	Understand how organisms interact with and respond to the biotic and abiotic components of their environment.
CLARIFYING OBJECTIVE	8.L.3.3.	Explain how the flow of energy within food webs is interconnected with the cycling of matter (including water, nitrogen, carbon dioxide and oxygen). <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
CONTENT AREA / STRAND	NC.8.L.	Life Science

STRAND / ESSENTIAL STANDARD		Evolution and Genetics
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.L.4.	Understand the evolution of organisms and landforms based on evidence, theories and processes that impact the Earth over time.
CLARIFYING OBJECTIVE	8.L.4.1.	Summarize the use of evidence drawn from geology, fossils, and comparative anatomy to form the basis for biological classification systems and the theory of evolution. <u>Virtual Field Trips</u> Galapagos Islands Galapagos Islands - Espagnol

**North Carolina Standard Course of Study
Social Studies**

Grade: 8 - Adopted: 2010

CONTENT AREA / STRAND	NC.8.H.	History
STRAND / ESSENTIAL STANDARD	8.H.1.	Apply historical thinking to understand the creation and development of North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.H.1.5.	Analyze the relationship between historical context and decision-making. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
CONTENT AREA / STRAND	NC.8.H.	History
STRAND / ESSENTIAL STANDARD	8.H.2.	Understand the ways in which conflict, compromise and negotiation have shaped North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.H.2.3.	Summarize the role of debate, compromise, and negotiation during significant periods in the history of North Carolina and the United States. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
CONTENT AREA / STRAND	NC.8.H.	History
STRAND / ESSENTIAL STANDARD	8.H.3.	Understand the factors that contribute to change and continuity in North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.H.3.3.	Explain how individuals and groups have influenced economic, political and social change in North Carolina and the United States. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.H.3.4.	Compare historical and contemporary issues to understand continuity and change in the development of North Carolina and the United States. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
CONTENT AREA / STRAND	NC.8.G.	Geography and Environmental Literacy
STRAND / ESSENTIAL STANDARD	8.G.1.	Understand the geographic factors that influenced North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.G.1.2.	Understand the human and physical characteristics of regions in North Carolina and the United States (e.g. physical features, culture, political organization and ethnic make-up). <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Washington, DC - Grades 6 - 12

CONTENT AREA / STRAND	NC.8.C&G.	Civics and Governance
STRAND / ESSENTIAL STANDARD	8.C&G.1.	Analyze how democratic ideals shaped government in North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.C&G.1.1.	Summarize democratic ideals expressed in local, state, and national government (e.g. limited government, popular sovereignty, separation of powers, republicanism, federalism and individual rights). Virtual Field Trips Washington, DC - Grades 6 - 12
CONTENT AREA / STRAND	NC.8.C.	Culture
STRAND / ESSENTIAL STANDARD	8.C.1.	Understand how different cultures influenced North Carolina and the United States.
ESSENTIAL STANDARD / CLARIFYING OBJECTIVE	8.C.1.3.	Summarize the contributions of particular groups to the development of North Carolina and the United States (e.g. women, religious groups, and ethnic minorities such as American Indians, African Americans, and European immigrants). Virtual Field Trips National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1

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