

Main Criteria: Virginia Standards of Learning
Secondary Criteria: Virtual Field Trips
Subjects: Science, Social Studies
Grade: 7
Correlation Options: Show Correlated

Virginia Standards of Learning

Science

Grade: 7 - Adopted: 2018

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.3.	The student will investigate and understand that there are levels of structural organization in living things. Key ideas include:

INDICATOR / STANDARD LS.3.c. similar characteristics determine the classification of organisms.

Virtual Field Trips

African Safari

Galapagos Islands

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.4.	The student will investigate and understand that there are chemical processes of energy transfer which are important for life. Key ideas include:

INDICATOR / STANDARD LS.4.a. photosynthesis is the foundation of virtually all food webs;

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Galapagos Islands

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.5.	The student will investigate and understand that biotic and abiotic factors affect an ecosystem. Key ideas include:

INDICATOR / STANDARD LS.5.a. matter moves through ecosystems via the carbon, water, and nitrogen cycles;

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 6-8

INDICATOR / STANDARD LS.5.b. energy flow is represented by food webs and energy pyramids;

Virtual Field Trips

Galapagos Islands

INDICATOR / STANDARD LS.5.c. relationships exist among producers, consumers, and decomposers.

Virtual Field Trips

African Safari

Amazon Rainforest - Grades 6-8

Galapagos Islands

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.6.	The student will investigate and understand that populations in a biological community interact and are interdependent. Key ideas include:

INDICATOR / STANDARD	LS.6.a.	relationships exist between predators and prey and these relationships are modeled in food webs; Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Galapagos Islands
INDICATOR / STANDARD	LS.6.b.	the availability and use of resources may lead to competition and cooperation; Virtual Field Trips Amazon Rainforest - Grades 6-8 Galapagos Islands
INDICATOR / STANDARD	LS.6.c.	symbiotic relationships support the survival of different species; Virtual Field Trips Amazon Rainforest - Grades 6-8 Galapagos Islands

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.7.	The student will investigate and understand that adaptations support an organism's survival in an ecosystem. Key ideas include:

INDICATOR / STANDARD	LS.7.a.	biotic and abiotic factors define land, marine, and freshwater ecosystems; Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
INDICATOR / STANDARD	LS.7.b.	physical and behavioral characteristics enable organisms to survive within a specific ecosystem. Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah

STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.8.	The student will investigate and understand that ecosystems, communities, populations, and organisms are dynamic and change over time. Key ideas include:

INDICATOR / STANDARD	LS.8.a.	organisms respond to daily, seasonal, and long-term changes; Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Wyoming, Utah
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INDICATOR / STANDARD	LS.8.b.	changes in the environment may increase or decrease population size; Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands National Parks - Alaska & Hawaii
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INDICATOR / STANDARD	LS.8.c.	large-scale changes such as eutrophication, climate changes, and catastrophic disturbances affect ecosystems. Virtual Field Trips Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Washington, Oregon, Idaho, Montana, Colorado
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STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.9.	The student will investigate and understand that relationships exist between ecosystem dynamics and human activity. Key ideas include:

INDICATOR / STANDARD	LS.9.a.	changes in habitat can disturb populations; Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Washington, Oregon, Idaho, Montana, Colorado
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INDICATOR / STANDARD	LS.9.b.	disruptions in ecosystems can change species competition; Virtual Field Trips Galapagos Islands
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INDICATOR / STANDARD	LS.9.c.	variations in biotic and abiotic factors can change ecosystems. Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands National Parks - Alaska & Hawaii
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STRAND / TOPIC		Life Science
STANDARD / STRAND	LS.11.	The student will investigate and understand that populations of organisms can change over time. Key ideas include:

INDICATOR / STANDARD	LS.11.a.	mutation, adaptation, natural selection, and extinction change populations; Virtual Field Trips Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands National Parks - Alaska & Hawaii
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INDICATOR / STANDARD	LS.11.c.	environmental factors and genetic variation, influence survivability and diversity of organisms. Virtual Field Trips African Safari Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast Galapagos Islands National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado
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Virginia Standards of Learning
Social Studies
Grade: 7 - Adopted: 2023

STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		Skills
INDICATOR / STANDARD	Skills.C E.	The student will apply history and social science skills to the content by

INDICATOR	Skills.CE. d.	integrating evidence to construct and analyze timelines, classify events, and to distinguish fact and opinion; Virtual Field Trips Washington, DC - Grades 6 - 8
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INDICATOR	Skills.CE. e.	comparing and contrasting historical, cultural, economic, and political perspectives; Virtual Field Trips Washington, DC - Grades 6 - 8
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STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		American Constitutional Government
INDICATOR / STANDARD	CE.1.	The student will apply history and social science skills to explain the foundations of the American constitutional democracy by

INDICATOR	CE.1.a.	explaining the fundamental principles of limited government, republicanism, federalism, checks and balances, separation of powers, and popular sovereignty; Virtual Field Trips Washington, DC - Grades 6 - 8
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INDICATOR	CE.1.e.	explaining the fundamental concepts of the U.S. government, including but not limited to due process, equal justice under the law, equal protection, elections and a representative government, limited government, right to private property, rule of law, Supremacy Clause, and separation of powers; and Virtual Field Trips Washington, DC - Grades 6 - 8
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STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		American Constitutional Government
INDICATOR / STANDARD	CE.2.	The student will apply history and social science skills to analyze how American constitutional government functions at the national level by

INDICATOR CE.2.a. describing the structure and powers of the government (the three branches of government);

Virtual Field Trips

Washington, DC - Grades 6 - 8

INDICATOR CE.2.e. explaining the principle of separation of powers and the operation of checks and balances.

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Washington, DC - Grades 6 - 8

STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		American Constitutional Government
INDICATOR / STANDARD	CE.3.	The student will apply history and social science skills to analyze how constitutional government functions at the state level by

INDICATOR CE.3.e. explaining the principle of separation of powers and the operation of checks and balances at the state level.

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Washington, DC - Grades 6 - 8

STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		American Constitutional Government
INDICATOR / STANDARD	CE.4.	The student will apply history and social science skills to analyze American constitutional government at the local level by

INDICATOR CE.4.c. comparing and contrasting powers and responsibilities of local, state, federal, and tribal governments, including, but not limited to citizen engagement, how each is financed, and how they work together and independently.

Virtual Field Trips

Washington, DC - Grades 6 - 8

STRAND / TOPIC		Grade 7: Civics and Economics
STANDARD / STRAND		Economic Decisions
INDICATOR / STANDARD	CE.13.	The student will apply history and social science skills to analyze the role of government in the United States economy by

INDICATOR	CE.13.b.	explaining how and why government provides certain public goods and services; Virtual Field Trips Barcelona
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INDICATOR	CE.13.c.	describing how local, state, and federal governments allocate their budgets and collect taxes to pay for goods and services; Virtual Field Trips Barcelona
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