

Main Criteria: West Virginia College and Career Readiness Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 5

Correlation Options: Show Correlated

West Virginia College and Career Readiness Standards

Science

Grade: 5 - Adopted: 2021

CONTENT STANDARD / COURSE		Science Indicators Grades 3-5
CONTENT STANDARD / OBJECTIVE		College- and Career-Readiness Indicators for Science
OBJECTIVE / EXPECTATION		Nature of Science

GRADE LEVEL
EXPECTATION

Science is a creative human endeavor which is influenced by social and cultural biases.

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 2-5

Amazon Rainforest - People and Threats - Grades 6-8

Ancient China - Qin & Han Dynasties

Ancient China - Shang & Zhou Dynasties

Galapagos Islands

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Midwest Region Today

Grade 4 - Southwest Region Early Beginnings

Grade 4 - Southwest Region Today

Grade 4 - West Region Early Beginnings

Grade 4 - West Region Today

National Parks - Alaska & Hawaii

National Parks - Nevada, California

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

National Parks - Wyoming, Utah

CONTENT STANDARD / COURSE		Science Indicators Grades 3-5
CONTENT STANDARD / OBJECTIVE		College- and Career-Readiness Indicators for Science
OBJECTIVE / EXPECTATION		Science Connecting Concepts

GRADE LEVEL
EXPECTATION

Observing patterns

Virtual Field Trips

Who Lives On a Coral Reef?

GRADE LEVEL
EXPECTATION

Investigating and explaining cause and effect

Virtual Field Trips

How Coral Reefs Are Formed

Who Lives On a Coral Reef?

GRADE LEVEL EXPECTATION		Recognizing scale, proportion, and quantity Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8
GRADE LEVEL EXPECTATION		Tracking energy and matter flows into, out of, and within systems to understand system behavior Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8
GRADE LEVEL EXPECTATION		Determining the relationships between structure and function Virtual Field Trips African Safari Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Galapagos Islands How Coral Reefs Are Formed Who Lives On a Coral Reef?
GRADE LEVEL EXPECTATION		Studying stability and change Virtual Field Trips Galapagos Islands How Coral Reefs Are Formed Who Lives On a Coral Reef?
CONTENT STANDARD / COURSE		Science – Grade 5
CONTENT STANDARD / OBJECTIVE		Life Science
OBJECTIVE / EXPECTATION		Matter and Energy in Organisms and Ecosystems
GRADE LEVEL EXPECTATION	S.5.6.	Use models to describe that energy in animals' food (used for body repair, growth, motion, and maintenance of body warmth) originated as energy from the sun. Virtual Field Trips Galapagos Islands Who Lives On a Coral Reef?
GRADE LEVEL EXPECTATION	S.5.7.	Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. Virtual Field Trips Amazon Rainforest - Grades 2-5 Amazon Rainforest - Grades 6-8 Amazon Rainforest - People and Threats - Grades 2-5 Amazon Rainforest - People and Threats - Grades 6-8 Galapagos Islands Who Lives On a Coral Reef?

CONTENT STANDARD / COURSE		Science – Grade 5
CONTENT STANDARD / OBJECTIVE		Earth and Space Science
OBJECTIVE / EXPECTATION		Earth's Systems

GRADE LEVEL EXPECTATION	S.5.8.	Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.
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Virtual Field Trips
[National Parks - Nevada, California](#)

GRADE LEVEL EXPECTATION	S.5.9.	Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.
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Virtual Field Trips
[African Safari](#)
[Amazon Rainforest - People and Threats - Grades 2-5](#)
[Amazon Rainforest - People and Threats - Grades 6-8](#)
[Canada: Coast to Coast](#)
[Galapagos Islands](#)
[Grade 4 - West Region Today](#)
[National Parks - Alaska & Hawaii](#)
[National Parks - Nevada, California](#)
[National Parks - Washington, Oregon, Idaho, Montana, Colorado](#)
[National Parks - Wyoming, Utah](#)
[Who Lives On a Coral Reef?](#)

GRADE LEVEL EXPECTATION	S.5.10.	Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.
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Virtual Field Trips
[Amazon Rainforest - People and Threats - Grades 2-5](#)
[Amazon Rainforest - People and Threats - Grades 6-8](#)
[Grade 4 - Midwest Region Today](#)
[Grade 4 - Southwest Region Early Beginnings](#)
[Grade 4 - West Region Geography](#)
[Grade 4 - West Region Landforms](#)
[National Parks - Alaska & Hawaii](#)
[National Parks - Nevada, California](#)
[National Parks - Washington, Oregon, Idaho, Montana, Colorado](#)
[National Parks - Wyoming, Utah](#)

GRADE LEVEL EXPECTATION	S.5.11.	Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.
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Virtual Field Trips
[Amazon Rainforest - People and Threats - Grades 2-5](#)
[Amazon Rainforest - People and Threats - Grades 6-8](#)
[Canada: Coast to Coast](#)
[Canada: Our Northern Neighbor](#)
[Grade 4 - Northeast](#)
[Grade 4 - Southwest Region Early Beginnings](#)
[Grade 4 - Southwest Region Today](#)
[Grade 4 - West Region Geography](#)
[Grade 4 - West Region Today](#)
[The Sahara Desert](#)

CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.C.	Civics

OBJECTIVE / EXPECTATION

SS.5.5. Compare the functions of each level of the government (local, state, and national).

Virtual Field Trips

Washington, DC - Grades K - 5

CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.E.	Economics

OBJECTIVE / EXPECTATION

SS.5.7. Explain the concept of supply and demand in specific historic and current economic situations in the United States (e.g., slavery, oil, gas, Industrial Revolution, etc.).

Virtual Field Trips

Grade 4 - Northeast

Grade 4 - Southeast Region of the U.S.

OBJECTIVE / EXPECTATION

SS.5.8. Critique the economic reasons for immigration and migration throughout the United States during specific times in history and relate the information to the present (e.g., Great Migration, Ellis Island, etc.).

Virtual Field Trips

Grade 4 - Midwest Region Today

Grade 4 - Northeast

OBJECTIVE / EXPECTATION

SS.5.9. Assess the resources (e.g., oil, land, gas, etc.) of the geographic regions (e.g., Midwest, Middle East, etc.) of the United States and the world and explain their impact on global economic activities.

Virtual Field Trips

Amazon Rainforest - Grades 2-5

Amazon Rainforest - People and Threats - Grades 6-8

Canada: Our Northern Neighbor

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Northeast

Grade 4 - Southeast Region of the U.S.

Grade 4 - Southwest Region Early Beginnings

Grade 4 - Southwest Region Today

Grade 4 - West Region Geography

Grade 4 - West Region Today

OBJECTIVE / EXPECTATION

SS.5.10. Compare the industrial North and the agricultural South prior to the Civil War, the geographic characteristics and boundaries of each region and the basic way of life in each region.

Virtual Field Trips

Grade 4 - Northeast

OBJECTIVE / EXPECTATION	SS.5.11.	Explain the economic problems that forced former slaves to continue to live in servitude even after slavery was officially abolished by the Thirteenth Amendment. Virtual Field Trips Grade 4 - Southeast Region of the U.S.
OBJECTIVE / EXPECTATION	SS.5.12.	Compare the economic and social effects of Reconstruction on different populations, including the move from farms to factories and the change from the plantation system to sharecropping. Virtual Field Trips Grade 4 - Northeast Grade 4 - Southeast Region of the U.S.
OBJECTIVE / EXPECTATION	SS.5.13.	Explain the social and economic effects of Westward Expansion on Native Americans, including changes in federal policies, armed conflicts, opposing views concerning land ownership and Native American displacement. Virtual Field Trips Grade 4 - Midwest Region Early Beginnings Grade 4 - Southwest Region Early Beginnings Grade 4 - West Region Early Beginnings
CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.G.	Geography
OBJECTIVE / EXPECTATION	SS.5.14.	Explain how aspects of the terrain (e.g., the principal mountain ranges, rivers, vegetation and climate of the region, etc.) affected westward travel and settlement. Virtual Field Trips Grade 4 - Midwest Region Early Beginnings Grade 4 - West Region Early Beginnings
OBJECTIVE / EXPECTATION	SS.5.16.	Illustrate the effects of settlement on the environment of the West, (e.g., changes in the physical and human systems, etc.). Virtual Field Trips Grade 4 - Midwest Region Early Beginnings Grade 4 - West Region Early Beginnings Grade 4 - West Region Geography

OBJECTIVE / EXPECTATION	SS.5.17.	Compare and contrast the various regions of the United States; locate each of the fifty United States and correlate them with their regions. Virtual Field Trips Barcelona Grade 4 - Midwest Region Early Beginnings Grade 4 - Midwest Region Today Grade 4 - Northeast Grade 4 - Southeast Region of the U.S. Grade 4 - Southwest Region Early Beginnings Grade 4 - Southwest Region Today Grade 4 - West Region Early Beginnings Grade 4 - West Region Geography Grade 4 - West Region Landforms Grade 4 - West Region Today National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah Washington, DC - Grades K - 5
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OBJECTIVE / EXPECTATION	SS.5.18.	Identify the characteristics and purposes of maps, globes, geographic information systems and other geographic tools. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor Grade 4 - Northeast The Sahara Desert
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OBJECTIVE / EXPECTATION	SS.5.19.	Display information on maps, globes, geographic models and in graphs, diagrams and charts (e.g., designing map keys and legends, etc.). Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor Grade 4 - Northeast The Sahara Desert
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CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.H.	History
OBJECTIVE / EXPECTATION	SS.5.20.	Demonstrate an understanding of the industrial North and the agricultural South before, during and after the Civil War.

GRADE LEVEL EXPECTATION	SS.5.20.b	Explain how specific events and issues led to the Civil War (e.g., sectionalism fueled by issues of slavery in the territories, states' rights, election of 1860 and secession). Virtual Field Trips Grade 4 - Southeast Region of the U.S.
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CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.H.	History

OBJECTIVE / EXPECTATION	SS.5.21.	Examine the economic, political and social developments during Reconstruction.
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GRADE LEVEL EXPECTATION . SS.5.21.a Explain the effects of Abraham Lincoln's assassination and the goals of Reconstruction.

Virtual Field Trips

Grade 4 - Southeast Region of the U.S.

GRADE LEVEL EXPECTATION b. SS.5.21. Characterize the effects of Reconstruction on African Americans (e.g., rights and restrictions, Thirteenth, Fourteenth, Fifteenth Amendments, rise of discriminatory laws and groups (Klu Klux Klan), motivations to relocate, and the actions of the Freedmen's Bureau, etc.).

Virtual Field Trips

Grade 4 - Southeast Region of the U.S.

CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.H.	History
OBJECTIVE / EXPECTATION	SS.5.22.	Demonstrate an understanding of the advances in transportation and its effect on Western Expansion.

GRADE LEVEL EXPECTATION . SS.5.22.a Illustrate how railroads affected development of the West (e.g., ease of travel, influence on trade and impact on environment, etc.).

Virtual Field Trips

Grade 4 - Northeast

Grade 4 - West Region Early Beginnings

GRADE LEVEL EXPECTATION b. SS.5.22. Compare and contrast conflicts between various groups in the West (e.g., miners, ranchers, cowboys, Native Americans, Mexican Americans and European and Asian immigrants, etc.).

Virtual Field Trips

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Southwest Region Early Beginnings

Grade 4 - West Region Early Beginnings

CONTENT STANDARD / COURSE	WV.SS.5.	Fifth Grade Standards
CONTENT STANDARD / OBJECTIVE	SS.5.H.	History
OBJECTIVE / EXPECTATION	SS.5.24.	Analyze the people and the factors that led to Industrialization in the late 19th century United States.

GRADE LEVEL EXPECTATION . SS.5.24.a Examine how the Industrial Revolution was furthered by new inventions and technologies (e.g., light bulb, telegraph, automobile, assembly line, etc.).

Virtual Field Trips

Grade 4 - Midwest Region Early Beginnings

Grade 4 - Northeast

Grade 4 - Southeast Region of the U.S.

GRADE LEVEL	SS.5.24.	Identify prominent inventors and scientists of the period and summarize their inventions or discoveries (e.g.,
EXPECTATION	b.	Thomas Edison, Alexander Graham Bell, the Wright Brothers, Henry Ford and Albert Einstein, etc.).

Virtual Field Trips

Grade 4 - Midwest Region Early Beginnings