

Main Criteria: Texas Essential Knowledge and Skills (TEKS)

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 8

Correlation Options: Show Correlated

Texas Essential Knowledge and Skills (TEKS)

Science

Grade: 8 - Adopted: 2021

TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.4.	Scientific and engineering practices. The student knows the contributions of scientists and recognizes the importance of scientific research and innovation on society. The student is expected to:

INDICATOR 112.28.b. 4.A. relate the impact of past and current research on scientific thought and society, including the process of science, cost-benefit analysis, and contributions of diverse scientists as related to the content;

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 6-8

Galapagos Islands

National Parks - Alaska & Hawaii

National Parks - Nevada, California

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

National Parks - Wyoming, Utah

TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.5.	Recurring themes and concepts. The student understands that recurring themes and concepts provide a framework for making connections across disciplines. The student is expected to:

INDICATOR 112.28.b. 5.C. analyze how differences in scale, proportion, or quantity affect a system's structure or performance;

Virtual Field Trips

Amazon Rainforest - Grades 6-8

INDICATOR 112.28.b. 5.E. analyze and explain how energy flows and matter cycles through systems and how energy and matter are conserved through a variety of systems;

Virtual Field Trips

Amazon Rainforest - Grades 6-8

Amazon Rainforest - People and Threats - Grades 6-8

INDICATOR 112.28.b. 5.F. analyze and explain the complementary relationship between the structure and function of objects, organisms, and systems; and

Virtual Field Trips

Amazon Rainforest - Grades 6-8

Canada: Coast to Coast

Galapagos Islands

INDICATOR	112.28.b. 5.G.	analyze and explain how factors or conditions impact stability and change in objects, organisms, and systems. <u>Virtual Field Trips</u> Amazon Rainforest - Grades 6-8 Galapagos Islands National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.10.	Earth and space. The student knows that interactions between Earth, ocean, and weather systems impact climate. The student is expected to:

INDICATOR	112.28.b. 10.A.	describe how energy from the Sun, hydrosphere, and atmosphere interact and influence weather and climate; <u>Virtual Field Trips</u> Canada: Coast to Coast National Parks - Alaska & Hawaii National Parks - Nevada, California National Parks - Washington, Oregon, Idaho, Montana, Colorado
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INDICATOR	112.28.b. 10.B.	identify global patterns of atmospheric movement and how they influence local weather; and <u>Virtual Field Trips</u> Canada: Coast to Coast
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TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.11.	Earth and space. The student knows that natural events and human activity can impact global climate. The student is expected to:

INDICATOR	112.28.b. 11.A.	use scientific evidence to describe how natural events, including volcanic eruptions, meteor impacts, abrupt changes in ocean currents, and the release and absorption of greenhouse gases influence climate; <u>Virtual Field Trips</u> Canada: Coast to Coast National Parks - Alaska & Hawaii National Parks - Washington, Oregon, Idaho, Montana, Colorado National Parks - Wyoming, Utah
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INDICATOR	112.28.b. 11.B.	use scientific evidence to describe how human activities, including the release of greenhouse gases, deforestation, and urbanization, can influence climate; and <u>Virtual Field Trips</u> Amazon Rainforest - People and Threats - Grades 6-8 Canada: Coast to Coast National Parks - Washington, Oregon, Idaho, Montana, Colorado
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TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.12.	Organisms and environments. The student understands stability and change in populations and ecosystems. The student is expected to:

INDICATOR	112.28.b. 12.A.	explain how disruptions such as population changes, natural disasters, and human intervention impact the transfer of energy in food webs in ecosystems; Virtual Field Trips 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
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INDICATOR	112.28.b. 12.B.	describe how primary and secondary ecological succession affect populations and species diversity after ecosystems are disrupted by natural events or human activity; and Virtual Field Trips Galapagos Islands
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INDICATOR	112.28.b. 12.C.	describe how biodiversity contributes to the stability and sustainability of an ecosystem and the health of the organisms within the ecosystem. Virtual Field Trips Amazon Rainforest - Grades 6-8 Galapagos Islands National Parks - Nevada, California
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TEKS	112.28.	Grade 8, Adopted 2021.
STUDENT EXPECTATION	112.28.b	Knowledge and skills.
GRADE LEVEL EXPECTATION	112.28.b.13.	Organisms and environments. The student knows how cell functions support the health of an organism and how adaptation and variation relate to survival. The student is expected to:

INDICATOR	112.28.b. 13.C.	describe how variations of traits within a population lead to structural, behavioral, and physiological adaptations that influence the likelihood of survival and reproductive success of a species over generations. Virtual Field Trips 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
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Texas Essential Knowledge and Skills (TEKS)

Social Studies

Grade: 8 - Adopted: 2022

TEKS	113.20.	Social Studies, Grade 8, Adopted 2022.
STUDENT EXPECTATION	113.20.c	Knowledge and skills.
GRADE LEVEL EXPECTATION	113.20.c.15.	Government. The student understands the American beliefs and principles reflected in the Declaration of Independence, the U.S. Constitution, and other important historic documents. The student is expected to:

INDICATOR	113.20.c. 15.D.	analyze how the U.S. Constitution reflects the principles of limited government, republicanism, checks and balances, federalism, separation of powers, popular sovereignty, and individual rights; and Virtual Field Trips Washington, DC - Grades 6 - 8
TEKS	113.20.	Social Studies, Grade 8, Adopted 2022.
STUDENT EXPECTATION	113.20.c	Knowledge and skills.
GRADE LEVEL EXPECTATION	113.20.c .29.	Social studies skills. The student applies critical-thinking skills to organize and use information acquired through established research methodologies from a variety of valid sources, including technology. The student is expected to:

INDICATOR	113.20.c. 29.B.	analyze information by applying absolute and relative chronology through sequencing, categorizing, identifying cause-and-effect relationships, comparing, contrasting, finding the main idea, summarizing, making generalizations and predictions, and drawing inferences and conclusions; 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 Canada: Our Northern Neighbor Rome - The Eternal City
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INDICATOR	113.20.c. 29.C.	organize and interpret information from outlines, reports, databases, and visuals, including graphs, charts, timelines, and maps; Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
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INDICATOR	113.20.c. 29.D.	identify bias and points of view created by the historical context surrounding an event; Virtual Field Trips Canada: Our Northern Neighbor Washington, DC - Grades 6 - 8
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INDICATOR	113.20.c. 29.H.	pose and answer questions about geographic distributions and patterns shown on maps, graphs, and charts. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
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TEKS	113.20.	Social Studies, Grade 8, Adopted 2022.
STUDENT EXPECTATION	113.20.c	Knowledge and skills.
GRADE LEVEL EXPECTATION	113.20.c .30.	Social studies skills. The student communicates in written, oral, and visual forms. The student is expected to:

INDICATOR	113.20.c. 30.A.	use social studies terminology correctly; Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
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