

Main Criteria: Minnesota Academic Standards
Secondary Criteria: Virtual Field Trips
Subjects: Science, Social Studies
Grade: 4
Correlation Options: Show Correlated

Minnesota Academic Standards
Science
Grade: 4 - Adopted: 2019

CONTENT STANDARD / DOMAIN	1	Exploring phenomena or engineering problems
PERFORMANCE INDICATOR / DOMAIN COMPONENT	1.2.	Planning and carrying out investigations
INDICATORS OF PROGRESS / STRAND	1.2.1.	Students will be able to design and conduct investigations in the classroom, laboratory, and/or field to test students' ideas and questions, and will organize and collect data to provide evidence to support claims the students make about phenomena.
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR 4E.1.2.1.1 Make observations and measurements to provide evidence of the effects of weathering or the rate of erosion by the forces of water, ice, wind, or vegetation. (P: 3, CC: 2, CI: ESS2)

Virtual Field Trips

Grade 3 - Geography of Our Communities

Grade 4 - Midwest Region Today

Grade 4 - Southwest Region Early Beginnings

National Parks - Alaska & Hawaii

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

National Parks - Wyoming, Utah

INDICATOR 4E.1.2.1.2 Plan and carry out fair tests in which variables are controlled and failure points are considered to improve a model or prototype to prevent erosion. (P: 3, CC: 2, CI: ESS2, ETS1, ETS2)

Virtual Field Trips

Grade 3 - Geography of Our Communities

CONTENT STANDARD / DOMAIN	2	Looking at data and empirical evidence to understand phenomena or solve problems
PERFORMANCE INDICATOR / DOMAIN COMPONENT	2.2.	Using mathematics and computational thinking
INDICATORS OF PROGRESS / STRAND	2.2.1.	Students will be able to use mathematics to represent physical variables and their relationships; compare mathematical expressions to the real world; and engage in computational thinking as they use or develop algorithms to describe the natural or designed worlds.
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR 4E.2.2.1.1 Interpret charts, maps and/or graphs of the amounts of salt water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth. (P: 5, CC: 4, CI: ESS2)

Virtual Field Trips

Grade 3 - Geography of Our Communities

National Parks - Nevada, California

CONTENT STANDARD / DOMAIN	3	Developing possible explanations of phenomena or designing solutions to engineering problems
PERFORMANCE INDICATOR / DOMAIN COMPONENT	3.1.	Developing and using models
INDICATORS OF PROGRESS / STRAND	3.1.1.	Students will be able to develop, revise, and use models to represent the students' understanding of phenomena or systems as they develop questions, predictions and/or explanations, and communicate ideas to others.
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR 4E.3.1.1.1 Develop a model based in part on student observations or data to describe ways the geosphere, biosphere, hydrosphere, and atmosphere interact. (P: 2, CC: 4, CI: ESS2)

Virtual Field Trips

Amazon Rainforest - People and Threats - Grades 2-5

Grade 3 - Geography of Our Communities

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

CONTENT STANDARD / DOMAIN	3	Developing possible explanations of phenomena or designing solutions to engineering problems
PERFORMANCE INDICATOR / DOMAIN COMPONENT	3.2.	Constructing explanations and designing solutions
INDICATORS OF PROGRESS / STRAND	3.2.2.	Students will be able to use their understanding of scientific principles and the engineering design process to design solutions that meet established criteria and constraints.*
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR 4E.3.2.2.1 Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans. (P: 6, CC: 2, CI: ESS3, ETS1)

Virtual Field Trips

Grade 3 - Geography of Our Communities

CONTENT STANDARD / DOMAIN	4	Communicating reasons, arguments and ideas to others
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.2.	Obtaining, evaluating and communicating information
INDICATORS OF PROGRESS / STRAND	4.2.1.	Students will be able to read and interpret multiple sources to obtain information, evaluate the merit and validity of claims and design solutions, and communicate information, ideas, and evidence in a variety of formats.
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR	4E.4.2.1.1	Read and comprehend grade appropriate complex texts and/or other reliable media to describe that energy and fuels are derived from natural resources and their uses affect the environment. (P: 8, CC: 2, CI: ESS3, ETS2)
		Virtual Field Trips Amazon Rainforest - People and Threats - Grades 2-5 Canada: Coast to Coast Canada: Our Northern Neighbor Grade 3 - Geography of Our Communities 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 / DOMAIN	4	Communicating reasons, arguments and ideas to others
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.2.	Obtaining, evaluating and communicating information
INDICATORS OF PROGRESS / STRAND	4.2.2.	Students will be able to gather information about and communicate the methods that are used by various cultures, especially those of Minnesota American Indian Tribes and communities, to develop explanations of phenomena and design solutions to problems.
INDICATORS OF PROGRESS		Earth and Space Science

INDICATOR	4E.4.2.2.1	Obtain and combine multiple sources of information about ways individual communities, including Minnesota American Indian Tribes and communities and other cultures, use evidence and scientific principles to make decisions about the uses of Earth's resources. (P: 8, CC: 4, CI: ESS3, ETS1)
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Virtual Field Trips
 African Safari
 Amazon Rainforest - People and Threats - Grades 2-5
 Canada: Coast to Coast
 Galapagos Islands
 Grade 3 - Geography of Our Communities
 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?

Minnesota Academic Standards
Social Studies
 Grade: 4 - Adopted: 2012

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography
INDICATORS OF PROGRESS / STRAND	4.3.1.	Geospatial skills

INDICATORS OF PROGRESS	4.3.1.1.	People use geographic representations and geospatial technologies to acquire, process and report information within a spatial context.
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INDICATOR	4.3.1.1.1.	Create and use various kinds of maps, including overlaying thematic maps, of places in the United States, and also Canada or Mexico; incorporate the "TODALS" map basics, as well as points, lines and colored areas to display spatial information.
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Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Grade 4 - Northeast

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography
INDICATORS OF PROGRESS / STRAND	4.3.1.	Geospatial skills
INDICATORS OF PROGRESS	4.3.1.2.	Geographic inquiry is a process in which people ask geographic questions and gather, organize and analyze information to solve problems and plan for the future.

INDICATOR	4.3.1.2.1.	Choose the most appropriate data from maps, charts, and graphs in an atlas to answer specific questions about geographic issues in the United States, and also Canada or Mexico.
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Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Grade 4 - Northeast

INDICATOR	4.3.1.2.2.	Use photographs or satellite-produced images to interpret spatial information about the United States, and also Canada or Mexico.
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Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Grade 3 - Geography of Our Communities

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

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography

INDICATORS OF PROGRESS / STRAND	4.3.2.	Places and Regions
INDICATORS OF PROGRESS	4.3.2.3.	Places have physical characteristics (such as climate, topography vegetation) and human characteristics (such as culture, population, political and economic systems).

INDICATOR	4.3.2.3.1.	Locate and identify the physical and human characteristics of places in the United States, and also Canada or Mexico. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor Grade 3 - Geography of Our Communities 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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CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography
INDICATORS OF PROGRESS / STRAND	4.3.2.	Places and Regions
INDICATORS OF PROGRESS	4.3.2.4.	People construct regions to identify, organize and interpret areas of the Earth's surface, which simplifies the earth's complexity.

INDICATOR	4.3.2.4.1.	Name and locate states and territories, major cities and state capitals in the United States. Virtual Field Trips Barcelona Grade 3 - Geography of Our Communities 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 Today Washington, DC - Grades K - 5
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INDICATOR	4.3.2.4.2.	Name and locate countries neighboring the United States and their major cities. Virtual Field Trips Canada: Coast to Coast Canada: Our Northern Neighbor
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CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography
INDICATORS OF PROGRESS / STRAND	4.3.3.	Human Systems
INDICATORS OF PROGRESS	4.3.3.5.	The characteristics, distribution and migration of human populations on the earth's surface influence human systems (cultural, economic and political systems).

INDICATOR 4.3.3.5.1. Use data to analyze and explain the changing distribution of population in the United States and Canada over the last century.

Virtual Field Trips

Grade 3 - A Country of Cultures

Grade 3 - Geography of Our Communities

Grade 4 - Midwest Region Today

Grade 4 - Northeast

Grade 4 - Southwest Region Today

Grade 4 - West Region Today

Washington, DC - Grades K - 5

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography
INDICATORS OF PROGRESS / STRAND	4.3.3.	Human Systems
INDICATORS OF PROGRESS	4.3.3.6.	Geographic factors influence the distribution, functions, growth and patterns of cities and human settlements.

INDICATOR 4.3.3.6.1. Explain how geographic factors affect population distribution and the growth of cities in the United States and Canada.

Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

Grade 3 - Geography of Our Communities

Grade 3 - How The Country Was Settled

Grade 4 - Midwest Region Today

Grade 4 - Northeast

Grade 4 - Southwest Region Today

Grade 4 - West Region Today

Washington, DC - Grades K - 5

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.3.	Geography

INDICATORS OF PROGRESS / STRAND	4.3.4.	Human Environment Interaction
INDICATORS OF PROGRESS	4.3.4.10.	The meaning, use, distribution and importance of resources changes over time.

INDICATOR 4.3.4.10.1 Describe how the location of resources and the distribution of people and their various economic activities has created different regions in the United States and Canada.

Virtual Field Trips

Grade 4 - Northeast

Grade 4 - West Region Geography

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.4.	History
INDICATORS OF PROGRESS / STRAND	4.4.1.	Historical Thinking Skills
INDICATORS OF PROGRESS	4.4.1.2.	Historical inquiry is a process in which multiple sources and different kinds of historical evidence are analyzed to draw conclusions about how and why things happened in the past.

INDICATOR 4.4.1.2.1. Use maps to compare and contrast a particular region in the United States, and also Canada or Mexico, at different points in time.

Virtual Field Trips

Canada: Coast to Coast

Canada: Our Northern Neighbor

CONTENT STANDARD / DOMAIN	MN.4.	Grade 4: Geography of North America
PERFORMANCE INDICATOR / DOMAIN COMPONENT	4.4.	History
INDICATORS OF PROGRESS / STRAND	4.4.2.	Peoples, Cultures, and Change over Time
INDICATORS OF PROGRESS	4.4.2.4.	The differences and similarities of cultures around the world are attributable to their diverse origins and histories, and interactions with other cultures throughout time.

INDICATOR 4.4.2.4.1. Identify and locate on a map or globe the origins of peoples in the local community and state; create a timeline of when different groups arrived; describe why and how they came.

Virtual Field Trips

Grade 4 - West Region Early Beginnings