

# Mission Geography and Missouri Show-Me Standards *Connecting Mission Geography to State Standards*

## Grades 5-8

### Module 1: Volcanoes—local hazard, global issue

Inv	Geography for Life	State Standard(s) Connection Social Studies
1	Std 15: How physical systems affect human systems	SS5.2. (Human-environment interactions) Students can identify the effect of natural forces upon human activities. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises.
	Std 7: Physical processes that shape Earth	SS5.2. (Physical systems) Students can describe how physical processes shape the physical environment. SS5.2 (Physical systems) Students can describe a variety of ecosystems, explain where they may be found, and explain how physical processes and human activities may change them. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises.
	Std 3: Analyze spatial organization of people, places, environments	SS5.2 (Place) Students can explain how places are unique, having features that differ in physical and human characteristics. SS5.2 Students demonstrate knowledge of the geography of Missouri, the United States, the Americas, and world to make predictions and solve problems using given maps, their own mental maps, and the geographic theme or concept of relationships within places. Goal 1.6. Students will demonstrate within and integrate across all content areas the ability to discover and evaluate patterns and relationships in information, ideas and structures.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.

	Std 3: Analyze spatial organization of people, places, environments	SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises
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3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
	Std 15: How physical systems affect human systems	SS5.2. (Human-environment interactions) Students can identify the effect of natural forces upon human activities. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises.
	Std 18: Apply geography to interpret the present and plan for the future	SS5.3 Students demonstrate how to use geography to interpret the past, explain the present, and plan for the future. SS7.2 Students demonstrate how to use maps, graphs, statistical data, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.9 Students demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.

## Module 2: Mars and Earth—the quest for life

Inv	Geography for Life	State Standard(s) Connection Social Studies
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1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS7.2 Students demonstrate how to use maps, graphs, statistical data, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
	Std 3: Analyze spatial organization of people, places, environments	SS5.2 (Place) Students can explain how places are unique, having features that differ in physical and human characteristics. SS5.2 Students demonstrate knowledge of the geography of Missouri, the United States, the Americas, and world to make predictions and solve problems using given maps, their own mental maps, and the geographic theme or concept of relationships within places. Goal 1.6. Students will demonstrate within and integrate across all content areas the ability to discover and evaluate patterns and relationships in information, ideas and structures.
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3	Std 4: Physical and human characteristics of places	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.

	Std 7: Physical processes that shape Earth	<p>SS5.2. (Physical systems) Students can describe how physical processes shape the physical environment.</p> <p>SS5.2 (Physical systems) Students can describe a variety of ecosystems, explain where they may be found, and explain how physical processes and human activities may change them.</p> <p>Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.</p>
4	Std 4: Physical and human characteristics of places	<p>SS5.2 (Place) Students can explain how places are unique, having features that differ in physical and human characteristics.</p> <p>Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.</p>
	Std 18: Apply geography to interpret the present and plan for the future	<p>SS5.3 Students demonstrate how to use geography to interpret the past, explain the present, and plan for the future.</p> <p>SS7.2 Students demonstrate how to use maps, graphs, statistical data, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions</p> <p>Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.</p>

### Module 3: Human footprints on Earth as seen by NASA scientists

Inv	Geography for Life	State Standard(s) Connection
1	Std 11: Patterns and networks of economic interdependence on Earth	<p>SS5.2 (Human-environmental interactions) Students can identify world-wide patterns for how resources are distributed.</p> <p>SS5.2 (Relationships between and among places) Students can describe trade patterns, explaining how supply and demand influence movement of goods and services, human, natural, and capital resources.</p> <p>SS5.2 (Regions) Students can explain how regions relate to one another and change over time.</p> <p>SS4.5 (Economic) Students demonstrate knowledge of how decisions and actions of governments, businesses, groups, and individuals affect one another in our largely market economy.</p> <p>Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.</p>

2	Std 14: Human actions modify the physical environment	SS5.2 (Human-environment interactions) Students can identify environmental consequences of how people use resources. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises
3	Std 12: Processes, patterns, and functions of human settlement	SS5.2 (Place) Students can explain how places are unique, having features that differ in human characteristics, such as people's education, language, diversity, economies, religions, settlement patterns, ethnic background, and political system. SS5.2 (Relationships within Places) Student can identify major patterns of population distribution, demographics, and migrations in the U.S. and world and the impact of those patterns on cultures and community life. Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.
	Std 14: Human actions modify the physical environment	SS5.2 (Human-environment interactions) Students can identify environmental consequences of how people use resources. Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.
	Std 18: Apply geography to interpret the present and plan for the future	SS5.3 Students demonstrate how to use geography to interpret the past, explain the present, and plan for the future. SS7.2 Students demonstrate how to use maps, graphs, statistical data, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.
4	Std 4: Physical and human characteristics of places	SS5.2 (Place) Students can explain how places are unique, having features that differ in physical and human characteristics. Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.
	Std 14: Human actions modify the physical environment	SS5.2 (Human-environment interactions) Students can identify environmental consequences of how people use resources. Goal 1.9 Students will demonstrate within and integrate across all content areas the ability to identify, analyze, and compare the institutions ... of past and present societies.

	Std 15: How physical systems affect human systems	SS5.2. (Human-environment interactions) Students can identify the effect of natural forces upon human activities. Goal 3.5. Students will demonstrate within and integrate across all content areas the ability to reason inductively from a set of specific facts and deductively from general premises.
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#### Module 4: Remote sensing and geoarchaeology

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
	Std 16: Meaning, use, distribution, and importance of resources	SS5.2 Students can identify environmental consequences of how people distribute and use resources. SS5.2 (Relationships between and among places – movement) Students can explain how changes in transportation, communication, and other technologies affect the movement of people, products, and ideas. SS4.3 Students demonstrate knowledge of how to interpret the past, explain the present, and predict the future consequences of economic decisions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	SS5.1. Students demonstrate knowledge of geographic research sources and how to evaluate and use them. SS7.2. Students demonstrate knowledge of how to use maps, graphs, timelines, charts, and diagrams to interpret, draw conclusions, and make predictions. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.

	Std 4: Physical and human characteristics of places	SS5.2 (Place) Students can explain how places are unique, having features that differ in physical and human characteristics. Goal 1.4 Students will demonstrate within and integrate across all content areas the ability to use technological tools and other resources to locate, select, and organize information.
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