

## Mission Geography and Pennsylvania Connecting Mission Geography to State Standards

### Grades K-4

#### Module 1: Exploring our planet from above

Inv.	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.3.A: Identify geographic tools and their uses, 7.2.6.A: Describe the physical characteristics of places and regions, 7.4.3.A: Identify the impacts of people on physical systems
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses, 7.3.3.A: Identify the human characteristics of places and regions by population characteristics, 7.4.3B: Identify the impacts of people on physical systems.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6A: Describe geographic tools and their uses, 7.4.3.A: Identify the impacts of physical systems on people.
4	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses.
	Std 8: Characteristics and spatial distribution of ecosystems	7.2.6.A: Describe the physical characteristics of places and regions.

#### Module 2: Water, water almost everywhere

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses, 7.1.3.B: Identify and locate places and regions
	Std 7: Physical processes that shape Earth	7.2.3.B: Identify the basic physical processes that affect the physical characteristics of places and regions.
	Std 3: Analyze spatial organization of people, places, environments	
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses.
	Std 4: Physical and human characteristics of places	7.2.6.A: Describe the physical characteristics of places and regions. 7.2.6.B: Describe the physical processes that shape patterns on Earth's surface.
3	Std 2: Use mental maps to organize information about people, places, environments	7.1.3.A: Identify geographic tools and their uses.

	Std 7: Physical processes that shape Earth	7.2.6.B: Describe the physical processes that shape patterns on Earth's surface.
4	Std 7: Physical processes that shape Earth	7.2.6.B: Describe the physical processes that shape patterns on Earth's surface.
	Std 18: Apply geography to interpret the present and plan for the future	

### Module 3: Where on Earth do humans live?

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.3.A: Identify geographic tools and their uses, 7.1.3.B: Identify and locate places and regions
	Std 4: Physical and human characteristics of places	7.2.6.A: Describe the physical characteristics of places and regions. 7.3.6.A: Describe human characteristics of places and regions.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses.
	Std 4: Physical and human characteristics of places	7.1.6.B: Describe and locate places and regions.
3	Std 2: Use mental maps to organize information about people, places, environments	7.1.6.A: Describe geographic tools and their uses.
	Std 17: How to apply geography to interpret the past	7.3.3.C: Identify the human characteristics of places and regions by their settlement characteristics.
4	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.6.A: Describe geographic tools and their uses.
	Std 4: Physical and human characteristics of places	7.2.3.A: Identify the physical characteristics of places and regions. 7.3.3.C: Identify the human characteristics of places and regions by their settlement characteristics. 7.3.6.D: Describe the human characteristics of places and regions by their economic activities.

### Module 4: Paths

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.3.A: Identify geographic tools and their uses
	Std 14: Human actions modify the physical environment	7.4.3.B: Identify the impacts of people on physical systems.
2	Std 2: Use mental maps to organize information about people, places, environments	7.1.3.A: Identify geographic tools and their uses.

	Std 14: Human actions modify the physical environment	7.1.3.B: Identify and locate places and regions. 7.4.3.B: Identify the impacts of people on physical systems.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.3.A: Identify geographic tools and their uses, 9.1.6.A: Describe geographic tools and their uses.
	Std 15: How physical systems affect human systems	7.4.3.A: Identify the impacts of physical systems on people.
4	Std 15: How physical systems affect human systems	7.2.3.B: Identify the basic physical processes that affect the physical characteristics of places and regions.
	Std 18: Apply geography to interpret the present and plan for the future	7.4.3.A: Identify the impacts of physical systems on people.

### Grades 5-8

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

Inv	Geography for Life	State Standard(s) Connection
1	Std 15: How physical systems affect human systems	7.4.9.A: Explain the impact of physical systems on people.
	Std 7: Physical processes that shape Earth	7.2.9.B: Explain the dynamics of the fundamental processes that underlie the operation of Earth's physical systems.
	Std 3: Analyze spatial organization of people, places, environments	7.3.9.A: Explain the human characteristics of places and regions by their population characteristics.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A: Explain geographic tools and their uses. 7.1.9.B: Explain and locate places and regions.
	Std 3: Analyze spatial organization of people, places, environments	7.3.9 A (above)
	Std 7: Physical processes that shape Earth	7.2.9.B (above)
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A (above) 7.1.9.B (above)
	Std 15: How physical systems affect human systems	7.4.9.A (above)
	Std 18: Apply geography to interpret the present and plan for the future	7.4.9.A (above) and B: Explain the impacts of people on physical systems.

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

Inv	Geography for Life	State Standard(s) Connection
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1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A and B
	Std 3: Analyze spatial organization of people, places, environments	7.3.9.A
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A and B
	Std 3: Analyze spatial organization of people, places, environments	7.3.9 A
3	Std 4: Physical and human characteristics of places	7.2.9.A
	Std 7: Physical processes that shape Earth	7.2.9.B
4	Std 4: Physical and human characteristics of places	7.2.9.A
	Std 18: Apply geography to interpret the present and plan for the future	7.4.9.A and B

### 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	7.3.9.D: Explain the human characteristics of places and regions by their economic activities.
2	Std 14: Human actions modify the physical environment	7.4.9.B
3	Std 12: Processes, patterns, and functions of human settlement	7.3.9.E: Explain the human characteristics of places and regions by their political activities.
	Std 14: Human actions modify the physical environment	7.4.9.B
	Std 18: Apply geography to interpret the present and plan for the future	7.4.9.A and B
4	Std 4: Physical and human characteristics of places	7.2.9.A and B
	Std 14: Human actions modify the physical environment	7.4.9.B
	Std 15: How physical systems affect human systems	7.4.9.A

### 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	7.1.9.A and B

	Std 16: Meaning, use, distribution, and importance of resources	7.4.9.E: Explain the human characteristics of places and regions by their political activities.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A and B
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A and B
	Std 4: Physical and human characteristics of places	7.2.9.A and B

## Grades 9-12

### Module 1: What's up with Earth's water resources?

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.12A: Analyze data and issues from a spatial perspective using the appropriate geographic tools.
	Std 8: Characteristics and spatial distribution of ecosystems	7.2.12.A: Analyze the physical characteristics of places and regions including the interrelationships among the components of Earth's physical systems.
	Std 14: Human actions modify the physical environment	7.4.12.B: Analyze the impacts of people on physical systems.
2	Std 4: Physical and human characteristics of places	7.2.12.A 7.3.12.A: Analyze the significance of human activity in shaping places and regions by their population characteristics.
	Std 7: Physical processes that shape Earth	7.2.12.B: Analyze the significance of physical processes in shaping the character of places and regions.
	Std 14: Human actions modify the physical environment	7.4.12.B
	Std 15: How physical systems affect human systems	7.4.12.A: Analyze the impacts of physical systems on people.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.12.A
	Std 14: Human actions modify the physical environment	7.4.12.B
	Std 15: How physical systems affect human systems	7.4.12.A
4	Std 7: Physical processes that shape Earth	7.2.12.B
	Std 15: How physical systems affect human systems	7.4.12.A
	Std 18: Apply geography to interpret the present and plan for the future	7.3.12.E: Analyze the significance of human activity in shaping places and regions by their political characteristics.

### Module 2: Where will your next meal come from?

Inv	Geography for Life	State Standard(s) Connection
1	Std 14: Human actions modify the physical environment	7.4.12.B

	Std 15: How physical systems affect human systems	7.4.12.A
	Std 16: Meaning, use, distribution, and importance of resources	7.4.12.B
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A: Explain geographic tools and their uses.
	Std 14: Human actions modify the physical environment	7.4.9.A: Explain the impacts of physical systems on people.
	Std 18: Apply geography to interpret the present and plan for the future	7.3.9.E: Explain the human characteristics of places and regions by their political activities.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A: Explain geographic tools and their uses.
	Std 5: Regions interpret Earth's complexity	7.1.9.B: Explain and locate places and regions.
	Std 9: Characteristics, distribution and migration of humans	7.3.9.A: Explain the human characteristics of places and regions by their population characteristics.
	Std 14: Human actions modify the physical environment	7.4.9.B: Explain the impacts of people on physical systems.

### Module 3: What are the causes and consequences of climate change?

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.12.A: Analyze data and issues from a spatial perspective using the appropriate geographic tools.
	Std 7: Physical processes that shape Earth	7.2.12.A: Analyze the physical characteristics of places and regions including the interrelationships among the components of Earth's physical systems. 7.2.12.B: Analyze the significance of physical processes in shaping the character of places and regions.
	Std 15: How physical systems affect human systems	7.4.12.A: Analyze the impacts of physical systems on people.
	Std 18: Apply geography to interpret the present and plan for the future	7.4.12.B: Analyze the impacts of people on physical systems.
2	Std 7: Physical processes that shape Earth	7.2.12.A: Analyze the physical characteristics of places and regions including the interrelationships among the components of Earth's physical systems.
	Std 10 Characteristics, distribution, and complexity of Earth's cultural mosaics	7.3.12.B: Analyze the significance of human activity in shaping places and region by their cultural characteristics (cultural conflicts).
	Std 14: Human actions modify the physical environment	7.3.12.E: Analyze the significance of human activity in shaping places and regions by their political characteristics (role of new political alliances on the international level)
	Std 15: How physical systems affect human systems	7.2.12.A: Analyze the impacts of physical systems on people.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	7.1.9.A: Explain geographic tools and their uses.
	Std 7: Physical processes that shape Earth	7.2.9.B: Explain the dynamics of fundamental processes that underlie the operation of Earth's physical systems.
	Std 14: Human actions modify the physical environment	7.4.9.B: Explain the impacts of people on physical systems.
	Std 15: How physical systems affect human systems	7.4.9.A: Explain the impacts of physical systems on people.