

Mission Geography and Puerto Rico
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	2/1b Build and understand basic maps. 2/2b Uses maps, graphs and tables to deduce spatial distribution forms. 2/1c Identify forms for different scales. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1b Build and understand basic maps. 2/2b Uses maps, graphs and tables to deduce spatial distribution forms. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1b Builds and understands basic maps. 2/2b Uses maps, graphs and tables to deduce spatial distribution patterns. 2/2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments. 2/1h and 2/2h Interprets, uses and identify different representations of the Earth: maps, globes, models and photos.
4	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1g Describe changes on physical environments. 2/1h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 8: Characteristics and spatial distribution of ecosystems	2/2b Uses maps, graphs and tables to deduce spatial distribution patterns. 2/1c Identify forms for different scales.

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	2/1b Builds and understands basic maps. Uses mental maps . 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 7: Physical processes that shape Earth	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments.
	Std 3: Analyze spatial organization of people, places, environments	2/2b Uses maps, graphs and tables to deduce spatial distribution patterns.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 4: Physical and human characteristics of places	2/1e Describes human interaction with physical environments and the changes that are produce. Understands the importance of preserving natural resources.
3	Std 2: Use mental maps to organize information about people, places, environments	2/1b Builds and understands basic maps. Uses mental maps . 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 7: Physical processes that shape Earth	2/1d, 2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments.
4	Std 7: Physical processes that shape Earth	2/1d, 2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments.
	Std 18: Apply geography to interpret the present and plan for the future	2/1e Describes human interaction with physical environments and the changes that are produce. Understands the importance of preserving natural resources. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos. 2/2g Describes in physical relief changes through times, predicts situations and plans 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	2/1b Builds and understands basic maps. Uses mental maps . 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos. 2/2c Identifies forms for spatial differences.
	Std 4: Physical and human characteristics of places	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 4: Physical and human characteristics of places	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments. 2/1e Describes human interaction with physical environments and the changes that are produce. Understands the importance of preserving natural resources.
3	Std 2: Use mental maps to organize information about people, places, environments	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 17: How to apply geography to interpret the past	2/1e Describes human interaction with physical environments and the changes that are produce. Understands the importance of preserving natural resources.
4	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 4: Physical and human characteristics of places	2/2f Observes and proposes explanations for spatial patterns of settlements, population distribution, uses of land and migrations.

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	2/2b Uses maps, graphs and tables to deduce spatial distribution forms. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 14: Human actions modify the physical environment	2/1e Describes human interaction with physical environments and the changes that are produce. Understands the importance of preserving natural resources.

2	Std 2: Use mental maps to organize information about people, places, environments	2/1b Builds and understands basic maps. Uses mental maps . 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 14: Human actions modify the physical environment	2/2f Observes and proposes explanations for spatial patterns of settlements, population distribution, uses of land and migrations.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos. 2/2a Determines the absolute location of places using coordinates systems.
	Std 15: How physical systems affect human systems	2/2g Describes in physical relief changes through times, predicts situations and plans for the future. 2/2i Identify forms of interdependence of people and places.
4	Std 15: How physical systems affect human systems	2/1d,2d Identifies essential elements of nature such as vegetation, animals, atmosphere, climate, water bodies and earth relief and describes physical characteristics of different environments. 2/1h and 2/2h Interprets, uses and identifies different representations of the Earth: maps, globes, models and photos.
	Std 18: Apply geography to interpret the present and plan for the future	2/1g Describes changes physical relief changes through times, predict situations and plans for the future.

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	2/3h Describes how human and historical events are affected by physical features and places.
	Std 7: Physical processes that shape Earth	2/3g Describes different ways that natural forces had shape the Earth.
	Std 3: Analyze spatial organization of people, places, environments	2/3a Locates and describes different ways that spatial organization around the world affects people, places and environments. 2/3m Analyses interaction between human and physical systems to explain Earth conditions and predicts future.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and others to represent and analyze spatial
	Std 3: Analyze spatial organization of people, places, environments	2/3a Locates and describes different ways that spatial organization around the world affects people, places and environments. 2/3m Analyses interaction between human and physical systems to explain Earth conditions and predicts future.

	Std 7: Physical processes that shape Earth	2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places.
	Std 15: How physical systems affect human systems	2/3h Describes how human and historical events are affected by physical features and places. 2/3g Describes different ways that natural forces had shape the Earth.
	Std 18: Apply geography to interpret the present and plan for the future	2/3e Proposes, compares and evaluates the use of land and resources using geographic explanations.

Module 2: Mars and Earth—the quest for life

Inv	Geography for Life	State Standard(s) Connection
1	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places.
	Std 3: Analyze spatial organization of people, places, environments	2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth. 2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population. 2/3m Analyzes interactions between humans and physical systems to explain and predicts Earth conditions.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places.
	Std 3: Analyze spatial organization of people, places, environments	2/3d Identifies different spatial scales for regions and defines characteristics that shape each one.
3	Std 4: Physical and human characteristics of places	2/3a Locates and describes different ways that spatial organization around the world affects people, places and environments. 2/3d Identifies different spatial scales for regions and defines characteristics that shape each one. 2/3f Describes characteristics of ecosystems and explains it's spatial distribution patterns.
	Std 7: Physical processes that shape Earth	2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth.
4	Std 4: Physical and human characteristics of places	2/3d Identifies different spatial scales for regions and defines characteristics that shape each one.

	Std 18: Apply geography to interpret the present and plan for the future	2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population. 2/3m Analyzes interactions between humans and physical systems to explain and predicts Earth conditions.
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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	2/3a Locates and describes different ways that spatial organization around the world affects people, places and environments. 2/3h Describes how human and historical events are affected by physical features and places. 2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth.
2	Std 14: Human actions modify the physical environment	2/3m Analyzes interactions between humans and physical systems to explain and predicts Earth conditions. 2/3f Describes characteristics of ecosystems and explains it's spatial distribution patterns. 2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth.
3	Std 12: Processes, patterns, and functions of human settlement	2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth. 2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population
	Std 14: Human actions modify the physical environment	2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population.
	Std 18: Apply geography to interpret the present and plan for the future	2/3m Analyzes interactions between humans and physical systems to explain and predicts Earth conditions.
4	Std 4: Physical and human characteristics of places	2/3d Identifies different spatial scales for regions and defines characteristics that shape each one.
	Std 14: Human actions modify the physical environment	2/3f Describes characteristics of ecosystems and explains it's spatial distribution patterns.
	Std 15: How physical systems affect human systems	2/3g Describes different forms that natural and human activities affects physical features of places. Describes different ways that natural forces had shape the Earth.

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	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places. 2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population.
	Std 16: Meaning, use, distribution, and importance of resources	2/3e Proposes, compares and evaluates options for the use of land and resources.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places. 2/3d Identifies different spatial scales for regions and defines characteristics that shape each one.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/3b Creates, understands and uses maps, graphs and tables to represents and analyzes spatial distribution patterns uses mental maps to determines relative localization of physical features and places. 2/3c Analyzes divisions on the Earth relief on different spatial scales and proposes explanations for limits between them.
	Std 4: Physical and human characteristics of places	2/3i Describes processes that conduct to urban and settlements developments and identify cultural patterns of the population.

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	2/4a Analyzes geographic environments on different parts of the world. 2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identifies spatial patterns, to studies cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.
	Std 8: Characteristics and spatial distribution of ecosystems	2/4c Analyzes actual environmental issues and proposes, compares and evaluates options for the better use and management of land and other resources.

	Std 14: Human actions modify the physical environment	2/4g.1 Describes how historical events are caused or had influenced human and physical geographic changes in Puerto Rico and the world, and identifies changes as the result of those historical processes. 2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
2	Std 4: Physical and human characteristics of places	2/4f Analyzes and compares human distribution patterns and availability of resources and how discrepancies have an effect in migration, exploration and colonization, and in war conflicts and other problems.
	Std 7: Physical processes that shape Earth	2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.
	Std 14: Human actions modify the physical environment	2/4g.1 Describes how historical events are caused or had influenced human and physical geographic changes in Puerto Rico and the world, and identifies changes as the result of those historical processes. 2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
	Std 15: How physical systems affect human systems	2/4d Comprehend dynamics processes in the atmosphere, biosphere, lithosphere and hydrosphere and the interaction between them, and how they can determine Earth relief.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identifies spatial patterns, to studies cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.
	Std 14: Human actions modify the physical environment	2/4c Analyzes actual environmental issues and proposes, compares and evaluates options for the better use and management of land and other resources. 2/4g.1 Describes how historical events are caused or had influenced human and physical geographic changes in Puerto Rico and the world, and identifies changes as the result of those historical processes. 2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
	Std 15: How physical systems affect human systems	2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.
4	Std 7: Physical processes that shape Earth	2/4d Comprehend dynamics processes in the atmosphere, biosphere, lithosphere and hydrosphere and the interaction between them, and how they can determine Earth relief. 2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.
	Std 15: How physical systems affect human systems	2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.

	Std 18: Apply geography to interpret the present and plan for the future	2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options. 2/4j Predicts tendencies on population distribution on Earth and analyzes the economic, social and political consequences of changes in that distribution.
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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	2/4g.1 Describes how historical events are caused or had influenced human and physical geographic changes in Puerto Rico and the world, and identifies changes as the result of those historical processes.
	Std 15: How physical systems affect human systems	2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation.
	Std 16: Meaning, use, distribution, and importance of resources	2/4c Analyzes actual environmental issues and proposes, compares and evaluates options for the better use and management of land and other resources. 2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
2	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identifies spatial patterns, to studies cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.
	Std 14: Human actions modify the physical environment	2/4f Analyzes and compares human distribution patterns and availability of resources and how discrepancies have an effect in migration, exploration and colonization, and in war conflicts and other problems. 2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation.
	Std 18: Apply geography to interpret the present and plan for the future	2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identifies spatial patterns, to studies cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.

	Std 5: Regions interpret Earth's complexity	2/4d Comprehend dynamics processes in the atmosphere, biosphere, lithosphere and hydrosphere and the interaction between them, and how they can determine Earth relief.
	Std 9: Characteristics, distribution and migration of humans	2/4g.1 Describes how historical events are caused or had influenced human and physical geographic changes in Puerto Rico and the world, and identifies changes as the result of those historical processes. 2/4f Analyzes and compares human distribution patterns and availability of resources and how discrepancies have an effect in migration, exploration and colonization, and in war conflicts and other problems. 2/4j Predicts tendencies on population distribution on Earth and analyzes the economic, social and political consequences of changes in that distribution.
	Std 14: Human actions modify the physical environment	2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation. 2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.

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	2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identify spatial patterns, to study cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.
	Std 7: Physical processes that shape Earth	2/4d Comprehend dynamics processes in the atmosphere, biosphere, lithosphere and hydrosphere and the interaction between them, and how they can determine Earth relief. 2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.
	Std 15: How physical systems affect human systems	2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation.
	Std 18: Apply geography to interpret the present and plan for the future	2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
2	Std 7: Physical processes that shape Earth	2/4d Comprehend dynamics processes in the atmosphere, biosphere, lithosphere and hydrosphere and the interaction between them, and how they can determine Earth relief. 2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.

	Std 10 Characteristics, distribution, and complexity of Earth's cultural mosaics	2/4f Analyzes and compares human distribution patterns and availability of resources and how discrepancies have an effect in migration, exploration and colonization, and in war conflicts and other problems.
	Std 14: Human actions modify the physical environment	2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
	Std 15: How physical systems affect human systems	2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation.
3	Std 1: Use maps to acquire, process, and report information from a spatial perspective	2/4b Creates, understands, uses and synthesizes information from maps, photos, graphs and others. Uses that information to identifies spatial patterns, to studies cities structure and development, making decisions and solving problems from a geographic perspective. Uses mental maps to solve problems on spatial focus.
	Std 7: Physical processes that shape Earth	2/4h Analyzes and evaluates physical changes, social and economical effects of natural forces such as flooding, hurricanes, earthquakes and others.
	Std 14: Human actions modify the physical environment	2/4i Compares and evaluates policies for the use of land and other resources and proposes community, state and global options.
	Std 15: How physical systems affect human systems	2/4e Evaluates the capacity of different places for sustainability of human activities and how this capacity is affected by physical and human resources. Proposes options to overcome limitations resulting from human activities or natural situation.