

Geography

State Standard Number	State Standard Area/Description	Unit Name	Course Topic Description
G.7.1.9	Basic Geographic Literacy		
G.7.1.9.A	Explain geographic tools and their uses.		
G.7.1.9.A.1	Development and use of geographic tools		
G.7.1.9.A.1.a	Geographic information systems [GIS]	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space: Tutorial: Reading a Map
G.7.1.9.A.1.b	Population pyramids	There are population charts and satellite-images, but not pyramids. World Geo B: Unit 7: Eastern Asia	Section D: Human Impact on the Environment of Eastern Asia (Population tutorial)
G.7.1.9.A.1.c	Cartograms	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape (Tutorial on Climate)
G.7.1.9.A.1.d	Satellite-produced images	Satellite-produced images are used throughout the course. For example: World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.1.9.A.1.e	Climate graphs	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.1.9.A.1.f	Access to computer-based geographic data (e.g., Internet, CD-ROMs)	There are links to the internet in many of the lessons in the course. For example: YouTube videos World Geo B: Unit 7: Eastern Asia	Section A: Where is Eastern Asia?

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G.7.1.9.A.2	Construction of maps		
G.7.1.9.A.2.a	Projections	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space: Tutorial: Reading a Map
G.7.1.9.A.2.b	Scale	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space: Tutorial: Reading a Map
G.7.1.9.A.2.c	Symbol systems	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space: Tutorial: Reading a Map
G.7.1.9.A.2.d	Level of generalization		
G.7.1.9.A.2.e	Types and sources of data		
G.7.1.9.A.3	Geographic representations to track spatial patterns		

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G.7.1.9.A.3.a	Weather	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space (Seasons) Section C: Physical Attributes of Earth's Landscape
G.7.1.9.A.3.b	Migration	World Geo A: Unit 2: North America	Section E: Focus on Immigration
G.7.1.9.A.3.c	Environmental change (e.g., tropical forest reduction, sea-level changes)	World Geo A: Unit 4: South America	Section E: Focus on Deforestation
G.7.1.9.A.4	Mental maps to organize and understand the human and physical features of the United States		
G.7.1.9.B	Explain and locate places and regions.		
G.7.1.9.B.1	How regions are created to interpret Earth's complexity (i.e., the differences among formal regions, functional regions, perceptual regions)	World Geo A: Unit 1: Introduction to Geography	Section B: Locating Our Place in Space
G.7.1.9.B.2	How characteristics contribute to regional changes (e.g., economic development, accessibility, demographic change)	World Geo B: Unit 10: India and the Middle East	Section E: Outsourcing
G.7.1.9.B.3	How culture and experience influence perceptions of places and regions	Throughout the course in the various units' Section C: People and Culture of _. For example: World Geo B: Unit 7: Eastern Asia	Section C: People and Culture of Eastern Asia

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G.7.1.9.B.4	How structures and alliances impact regions		
G.7.1.9.B.4.a	Development (e.g., First vs. Third World, North vs. South)	World Geo A: Unit 3: Central America	Section E: Focus on Poverty
G.7.1.9.B.4.b	Trade (e.g., NAFTA, the European Union)	World Geo A: Unit 2: North America	Discussion: Pros and Cons of NAFTA
G.7.1.9.B.4.c	International treaties (e.g., NATO, OAS)		
G.7.1.9.B.5	How regions are connected (e.g., watersheds and river systems, patterns of world trade, cultural ties, migration)	World Geo A: Unit 3: Central America	Section C: People and Culture of Central America (Fair trade)
G.7.2.9	The Physical Characteristics of Places and Regions		
G.7.2.9.A	Explain the physical characteristics of places and regions including spatial patterns of Earth's physical systems.		
G.7.2.9.A.1	Climate regions	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape

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G.7.2.9.A.2	Landform regions	World Geo A: Unit 2: North America	Section B: Physical Characteristics and Systems of North America: Regions Project
G.7.2.9.B	Explain the dynamics of the fundamental processes that underlie the operation of Earth's physical systems.		
G.7.2.9.B.1	Wind systems	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.2.9.B.2	Water cycle	Satellite-produced images are used throughout the course. For example: World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.2.9.B.3	Erosion/deposition cycle	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.2.9.B.4	Plate tectonics	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape
G.7.2.9.B.5	Ocean currents	World Geo A: Unit 1: Introduction to Geography	Section A: Welcome to Geography (History of Earth's oceans video) Section C: Physical Attributes of Earth's Landscape
G.7.2.9.B.6	Natural hazards	World Geo A: Unit 1: Introduction to Geography	Section C: Physical Attributes of Earth's Landscape

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G.7.3.9	The Human Characteristics of Places and Regions		
G.7.3.9.A	Explain the human characteristics of places and regions by their population characteristics.		
G.7.3.9.A.1	Spatial distribution, size, density and demographic characteristics of population at the state and National level	World Geo A: Unit 2: North America	Section D: Human Impact on the Environment
G.7.3.9.A.2	Demographic structure of a population (e.g., life expectancy, fertility rate, mortality rate, infant mortality rate, population growth rate, the demographic transition model)		
G.7.3.9.A.3	Effects of different types and patterns of human movement		
G.7.3.9.A.3.a	Mobility (e.g., travel for business)	World Geo A: Unit 2: North America	Section C: Human Culture of North America (Movement)
G.7.3.9.A.3.b	Migration (e.g., rural to urban, short term vs. long term, critical distance)	World Geo A: Unit 2: North America	Section C: Human Culture of North America
G.7.3.9.B	Explain the human characteristics of places and regions by their cultural characteristics.		

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G.7.3.9.B.1	Ethnicity of people at national levels (e.g., customs, celebrations, languages, religions)	Throughout the course in the various units' Section C: People and Culture of ____. For example: World Geo B: Unit 6: Eastern Europe	Section C: People and Culture of Eastern Europe
G.7.3.9.B.2	Culture distribution (e.g., ethnic enclaves and neighborhoods)	Throughout the course in the various units' Section C: People and Culture of ____. For example: World Geo B: Unit 6: Eastern Europe	Section C: People and Culture of Eastern Europe
G.7.3.9.B.3	Cultural diffusion (e.g., acculturation and assimilation, cultural revivals of language)	Throughout the course in the various units' Section C: People and Culture of ____. For example: World Geo B: Unit 6: Eastern Europe	Section C: People and Culture of Eastern Europe
G.7.3.9.C	Explain the human characteristics of places and regions by their settlement characteristics.		
G.7.3.9.C.1	Current and past settlement patterns in Pennsylvania and the United States	World Geo A: Unit 2: North America	Section D: Human Impact on the Environment
G.7.3.9.C.2	Forces that have re-shaped modern settlement patterns (e.g., central city decline, suburbanization, the development of transport systems)	World Geo A: Unit 2: North America	Section CL Human Culture of North America
G.7.3.9.C.3	Internal structure of cities (e.g., manufacturing zones, inner and outer suburbs, the location of infrastructure)	World Geo A: Unit 2: North America	Section CL Human Culture of North America
G.7.3.9.D	Explain the human characteristics of places and regions by their economic activities.		

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G.7.3.9.D.1	Spatial distribution of economic activities in Pennsylvania and the United States (e.g., patterns of agriculture, forestry, mining, retailing, manufacturing, services)	World Geo A: Unit 2: North America	Section D: Human Impact on the Environment of North America
G.7.3.9.D.2	Factors that shape spatial patterns of economic activity both Nationally and internationally (e.g., comparative advantage in location of economic activities; changes in resource trade; disruption of trade flows)	World Geo A: Unit 2: North America World Geo A: Unit 4: South America	Section D: Human Impact on the Environment of North America Section D: Human Impact on the Environment of South America Section E: Focus on Deforestation
G.7.3.9.D.3	Technological changes that affect the definitions of, access to, and use of natural resources (e.g., the role of exploration, extraction, use and depletion of resources)	World Geo A: Unit 1: Introduction to Geography	Section D: Human Impact (Tutorial: Energy: Yesterday and Today)
G.7.3.9.E	Explain the human characteristics of places and regions by their political activities.		
G.7.3.9.E.1	Spatial pattern of political units in the United States	World Geo A: Unit 2: North America	Section D: Human Impact on the Environment of North America
G.7.3.9.E.2	Geographic factors that affect decisions made in the United States (e.g., territorial expansion, boundary delineation, allocation of natural resources)	World Geo A: Unit 1: Introduction to Geography	Section D: Human Impact (Tutorial: Energy: Yesterday and Today)
G.7.3.9.E.3	Political and public policies that affect geography (e.g., open space, urban development)	World Geo A: Unit 2: North America	Section D: Human Impact on the Environment of North America (EPA Discussion)
G.7.4.9	The Interactions Between People and Places		

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G.7.4.9.A	Explain the impacts of physical systems on people.		
G.7.4.9.A.1	How people depend on, adjust to and modify physical systems on a National scale (e.g., soil conservation programs, projects of The Corps of Engineers)	World Geo B: Unit 10: India and the Middle East	Section D: Human Impact on the Environment of India and the Middle East
G.7.4.9.A.2	Ways in which people in hazard-prone areas adjust their ways of life (e.g., building design in earthquake areas, dry-farming techniques in drought-prone areas)	World Geo B: Unit 8: Southeast Asia and the Pacific	Section E: Focus on Disaster Planning
G.7.4.9.B	Explain the impacts of people on physical systems.		
G.7.4.9.B.1	Forces by which people modify the physical environment (e.g., increasing population; new agricultural techniques; industrial processes and pollution)	Throughout the course in the various units' Section D: Human Impact on the Environment of __. For example: World Geo A: Unit 2: North America World Geo A: Unit 5: Western Europe	Section D: Human Impact on the Environment of North America (Pollution Tutorial) Section D: Human Impact on the Environment of Western Europe (genetically modified food)
G.7.4.9.B.2	Spatial effects of activities in one region on another region (e.g., scrubbers on power plants to clean air, transportation systems such as Trans-Siberian Railroad, potential effects of fallout from nuclear power plant accidents)	World Geo B: Unit 6: Eastern Europe	Section E: Focus on Nuclear Energy