

World Geography

Unit 2—Weather and Climate

Last Updated 09/09/15

Topic	Learning Targets	Academic Vocabulary
Earth-Sun Relationship	<input type="checkbox"/> I can explain changes in seasons and locate special lines of latitude as they relate to Earth-Sun relationships. (WG.3.A)	Rotation Revolution Summer solstice Winter solstice Vernal equinox Autumnal equinox Tropic of Cancer Tropic of Capricorn Arctic Circle Antarctic Circle Equator
Topic	Learning Targets	Academic Vocabulary
Weather and Climate	<input type="checkbox"/> I can identify and explain factors that affect the distribution of weather and climate patterns. (WG.3.B, WG.4.A)	Weather Climate Importance of temperature and precipitation in determining climates Latitude / zones of latitude Low latitudes Middle latitudes High latitudes Altitude Prevailing Winds (named for the direction they blow from) Westerlies Northeasterly trade winds

I can identify the characteristics of and describe the distribution of climate regions. (WG.4.A)

Distance from oceans
Continental

Ocean Currents

Great Mountain Barriers

Orographic Effect (orographic precipitation)

Windward

Leeward

Rain shadow

Pressure systems (creation and characteristics of)

High pressure zones

Low pressure zones

Water Vapor

Convection

Convective precipitation

Frontal precipitation

Coriolis Effect

Climate zones (temperature/precipitation/distribution)

Tropical wet

Tropical wet and dry

Semiarid

Desert

Mediterranean

Marine west coast

Humid subtropical

Humid continental

Subarctic

Tundra

Ice cap

Highlands

Topic	Learning Targets	Academic Vocabulary
Natural Hazards	<input type="checkbox"/> I can define and locate the distribution of natural disasters and global weather phenomena. <input type="checkbox"/> I can describe the interaction between humans and the physical environment and analyze consequences of extreme weather and other natural disasters. (WG.8.B)	Climographs (interpret and match to climate zones) El Niño La Niña Floods Flood plain Hurricanes TORNADOS Tornado Alley Earthquake Seismograph Epicenter Tsunami Volcano Greenhouse Effect
Topic	Learning Targets	Academic Vocabulary
Ecosystems and Biomes	<input type="checkbox"/> I can differentiate between ecosystems and biomes. (WG.4.C) <input type="checkbox"/> I can define and locate the distribution of biomes in different regions.	Ecosystem Biome Forestlands Deciduous Coniferous Rainforest Grasslands Savanna Steppe Prairie Veld Pampas Desert Tundra Permafrost