

World Geography

Unit 2—Weather and Climate

Last Updated 09/09/14

| 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 |
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| 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 Pressure systems (creation and characteristics of) High pressure zones Low pressure zones Prevailing Winds Westerlies Easterlies Northeasterly trade winds Southeasterly 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

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

Climographs (interpret and match to climate zones)

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| 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) | El Niño La Niña Floods Flood plain Hurricanes Tornados Tornado Alley Earthquake Seismograph Epicenter Tsunami Volcano Global warming debate 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 |