

Science GSEs: 6th Grade



Standard: S6E3

- Recognize the role of water in earth's processes
- Find where water is found on earth and in what proportions
- Investigate the sun's role in cycling water
- Use graphs and maps to ID and communicate the location and subsurface topography of the world's oceans
- Graphically represent causes and effects of currents and waves in the world's oceans

Water activity to fulfill standard: [See activity here](#)

Standard: S6E4

- Determine how the sun, land, and water impact weather
- Compare and contrast earth's different atmospheric layers and greenhouse gasses
- Show how the sun's heat transfers to the land, air, and water at different rates
- Model the earth's wind systems and unequal heating
- Explain the relationship between air pressure, fronts, and air masses. Show how this affects weather events
- Show how moisture from the ocean affects the weather

Water activity to fulfill standard: Separate students into groups which will each create a mock broadcast about a different weather type

Standard: S6E5

- Show how earth's surface is formed
- Differentiate earth's crust, mantle, inner and outer core
- Investigate mineral traits and how they affect rock makeup
- Explain how to classify rocks by formation and how they change through geological processes
- ID types of weathering, agents of erosion/transportation, and environments of deposition
- Explain how natural and human processes change rocks
- Show how tectonic plates can cause geological events
- Use fossils as evidence of earth's changing climate/surface
- Investigate how soil is composed of rocks and organic matter

Water activity to fulfill standard: Explain weathering with [this](#)

Standard: S6E6

- Discuss the conservation of natural resources and explain how it impacts earth
- Contrast renewable/nonrenewable energy sources
- Find solutions for sustaining quality/supply of natural resources
- Evaluate the recent rise in global temperatures



Water activity to fulfill standard: [This](#) is for water conservation
[This](#) activity is for renewable energy in general

[Click here for Georgia's full 6th grade science standards](#)