

Unit Overview – Water Cycle

Essential Questions

- How does the cycling of water relate to weather patterns?
- How does the water cycle interact with atmospheric conditions?

- I totally get it
 I kinda get it
 I don't get it

What Came First:

- (5th Grade) Explain how global patterns such as the jet stream and water currents influence local weather in measurable terms such as temperature, wind direction and speed, and precipitation.

What Comes Next:

- (High School: Earth and Environmental Science) Explain water as an energy agent (currents and heat transfer).

Enduring understanding	Important to know and do	Worth being familiar with
<input type="checkbox"/> Water moving through earth's atmosphere affects the weather patterns on earth <input type="checkbox"/> Conditions in the atmosphere affect weather patterns on earth <input type="checkbox"/> Water cycle and atmospheric conditions are interconnected and create weather	<input type="checkbox"/> Label and explain parts of the water cycle <input type="checkbox"/> Identify atmospheric conditions that affect weather <input type="checkbox"/> Calculate relative humidity <input type="checkbox"/> Collect weather data and analyze patterns	<input type="checkbox"/> What causes unequal heating of the Earth's atmosphere? <input type="checkbox"/> How have weather patterns changed over the last 200 years due to industrialization (temperature/climate change/El Nino, La Nina)?

Vocabulary to master

<input type="checkbox"/> Condensation	<input type="checkbox"/> Dew point	<input type="checkbox"/> Evaporation	<input type="checkbox"/> Ground water
<input type="checkbox"/> Humidity	<input type="checkbox"/> Meteorologist	<input type="checkbox"/> Pattern	<input type="checkbox"/> Porous
<input type="checkbox"/> Precipitation	<input type="checkbox"/> Run-off	<input type="checkbox"/> Water cycle	<input type="checkbox"/> Water vapor
<input type="checkbox"/> Weather	<input type="checkbox"/> Sling Psychrometer	<input type="checkbox"/> Percolation	<input type="checkbox"/> Collection