

# Water in our World

(4<sup>th</sup> and 7<sup>th</sup> grade)

1 hour

Explore the water cycle, including precipitation, evaporation and condensation through classroom participation and a rain shower at the end! Students create their own terrarium to see the water cycle at work.

## Grade Level Expectations in Science:

- GLE 1.2.4 - Describe how one part of Earth's systems depends on or connects to another part of Earth's system (e.g., Puget Sound water affects the air over Seattle).  
Identify and describe various landmasses, bodies of water, and landforms (e.g. illustrate continents, oceans, seas, rivers, mountains, plains from a globe and a map).  
Construct a model that demonstrates understanding of Earth's structure as a system made of parts (e.g. solid surface, water, atmosphere).
- GLE 1.1.5 - Describe the states of water on Earth (i.e., clouds, fog, dew, rain, hail, snow, ice) as solid, liquid, or gas.
- GLE 1.3.3 - Observe and describe water changing state from ice to liquid water to water vapor and back (e.g., with freezing, melting, evaporation, and condensation water remains water)
- GLE 1.3.6 - Describe the effects of water cycling through the land, oceans and atmosphere (e.g., clouds, rain, snow, hail, rivers).
- GLE 2.1.1 - Ask questions about objects, organisms, and events based on observations of the natural world.
- GLE 2.1.4 - List similarities and differences between a model and what the model represents (e.g., a hinge and an elbow; a spinning globe and Earth's rotation; steam from a tea kettle and clouds or fog).
- GLE 2.2.3 - Describe reasons why two similar investigations can produce different results (e.g., identify possible sources of error).
- GLE 3.2.4 - Describe how resources can be conserved through reusing, reducing and recycling.  
Describe the effects conservation has on the environment.  
Describe the limited resources humans depend on and how changes in these resources affect livability of the environment for humans.



Students make observations of the water cycle in their terrariums