

# Does Watershed?

(3rd - 5<sup>th</sup> grade)

1 hour

Discover what a watershed is and how we affect the watershed we live in. Students create individual paper watersheds and learn about the impacts of land planning, pollutants, and floods.

## Grade Level Expectations:

- 1.1.5 - Describe the states of water on Earth (i.e., clouds, fog, dew, rain, hail, snow, ice) as solid, liquid, or gas.
- 1.2.1 - Identify the parts of a system and how the parts go together.  
Describe the function of a part of a system (e.g., a device, natural or living thing).  
Explain how one part of a system depends upon other parts of the same system.  
Predict and explain how a system would work if one of its parts was missing or broken.  
Describe what goes into (input) and out of (output) a system (e.g., what keeps a stream running).
- 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).
- 1.3.1 - Describe a force that is acting on an object in terms of strength and direction (e.g., electrical force, gravitational force, magnetic force, a push, or a pull).
- 1.3.4 - Describe how weathering and erosion change the surface of the Earth.
- 1.3.6 - Describe the effects of water cycling through the land, oceans and atmosphere (e.g. clouds, rain, snow, hail, rivers).
- 2.1.1 - Identify the question being asked in an investigation.
- 2.1.2 - Make predictions of the results of an investigation.
- 2.1.3 - Predict what logically might occur if an investigation lasted longer or was change.
- 2.1.4 - Create a simple model to represent common objects, events, systems, or processes (e.g., diagram or map and/or physical model).  
Investigate phenomena using a simple physical or computer model or simulation.
- 2.1.5 - Report observations or data of simple investigations without making inferences.
- 2.2.5 - Describe how results of scientific inquiry may change our understanding of the systems of the natural and constructed world.
- 3.2.4 - Describe how humans can cause changes in the environment that affect the livability of the environment for humans.

