



Human Impacts: Water Use Middle School

Overview

Students will explore two models of water conservation, while collecting quantitative data on water that is conserved. Students will review the causes of water shortages in New Mexico and craft an argument about water shortages. Lastly, students will work in small groups to design solutions for water conservation in home design.

Phenomenon

Why and how do we conserve water in New Mexico?

Next Generation Science Standards

MS-ESS3-3: Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

MS-ESS3-4: Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth’s systems.

Asombro lessons are aligned with the three-dimensional learning model of the Next Generation Science Standards.

Science & Engineering Practices	Disciplinary Core Ideas	Cross Cutting Concepts
Engaging in argument from evidence Constructing explanations and designing solutions	ESS3.C Human Impacts on Earth’s Systems	Cause and effect

Common Core State Standards

ELA-LITERACY.RST.6-8.3: Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

ELA-LITERACY.RST.6-8.7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).