



Watch in awe as the Mad Scientist creates numerous versions of erupting science with an assortment of experiments featuring both chemical and physical changes!

SUMMARY:

Did you know that of the vast amount of water on our planet, only 1% is fresh and drinkable? Did you know that a silent toilet leak can waste up to 7,000 gallons of water per month? Come and shake it up with the Mad Scientist as you learn all about the amazing attributes of water while focusing on the importance of conserving this precious resource!

EDUCATIONAL VALUE:

This program is a great way to get students thinking about their environmental impact and focuses on water use. Students will learn about surface tension, cohesion and adhesion, and learn how all of the water on Earth adds up. They will visualize everyday water usage and learn ways to shrink their footprint.

TAKE-HOME MESSAGE:

- 1 The scientific word for sticky water is cohesion.
- 2 Most of the planet's water is salty, frozen, or underground.
- 3 Everything we buy needs some water to make.

NORTH CAROLINA ESSENTIAL STANDARDS:

- 1.E.2.1 Summarize the physical properties of Earth materials, including rocks, minerals, soils and water that make them useful in different ways.
- 1.L.2 Summarize the needs of living organisms for energy and growth.
- 2.P.2.1 Give examples of matter that change from a solid to a liquid and from a liquid to a solid by heating and cooling.
- 3.P.2.2 Compare solids, liquids, and gases based on their basic properties.
- 3.E.2.1 Compare Earth's saltwater and freshwater features (including oceans, seas, rivers, lakes, ponds, streams, and glaciers).
- 4.L.1 Give examples of changes in an organism's environment that are beneficial to it and some that are harmful.

