**Water Conservation Lesson Teacher Packet**

**Lesson Objective:**

Beginning with an activity that demonstrates how little fresh water is on the blue planet, students will understand how precious water is. Students will learn how water is used around the world and in their communities, as well as how to save water during daily activities such as taking a shower or brushing teeth.

**Standards Covered:**

ESS2-4-2. Analyze and interpret data from maps to describe patterns of Earth’s features.

ESS2-5-2. Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.

ESS3-5-1. Support, obtain and combine information about ways individual communities use science ideas to protect the Earth’s resources and environment.

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

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

**Student Supplies:**

* 2 pieces of white paper or the Water Footprint Worksheet PDF and Fresh Water Grid PDF printed (students will need the grid – if unable to print, have student hold a piece of white paper up to the opened PDF and trace the grid)
* 1 pen or pencil
* Optional – blue, green and red colored pencils

**Supplemental Resources:**

* Water Footprint Worksheet and Fresh Water Grid PDFs

<https://bee.cityofboise.org/learn/watershed-at-home/for-teachers/>

* Drop in the Bucket 5-minute video (Note: Educator will present a modified version of this activity)

<https://www.youtube.com/watch?v=KXptIBHJWgw&list=PLxk-0CRZMv87DSX7lFYsS5blYh7ygXS_K&index=28&t=192s>

* Water Footprint Calculator

[www.watercalculator.org](http://www.watercalculator.org) (long version)

<https://www.easycalculation.com/other/water-footprint-calculator.php> (short version)

* EPA WaterSense for Kids learning resources

<https://www.epa.gov/watersense/watersense-kids>

* Student and Family Water Conservation Pledge

<https://www.epa.gov/sites/production/files/2017-02/documents/ws-ourwater-drop-pledge.pdf>

**For more information, please contact:**

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