



project **WET**  
WATER EDUCATION TODAY

## A Drop in the Bucket

### Tips for Educators Using this Lesson at Home

This lesson is correlated to Grades 5-8 and recommended for upper elementary and middle school aged children. The lesson is correlated as written in the *Project WET Curriculum and Activity Guide 2.0*. Correlations are meant to show how activities support a standard, performance expectation and/or three-dimensional learning. NGSS correlations are provided in detail in a separate document to demonstrate how the content of this activity provides a three-dimensional learning experience. Common Core State Standards correlations for grade spans assume that teachers will be familiar with the standards for their respective grade level(s) and be able to apply them judiciously.

**Summary:** By estimating and calculating the percentage of available fresh water on Earth, students understand that this resource must be used and managed carefully.

**Common Core:** *ELA:* SL.6-8.4; *Math:* 6.RP.3c; 7.NS.3; 7.RP.2

**NGSS:** 5-ESS3-1, 5-ESS2-2, MS-ESS3-3, MS-ESS3-4

1. Instruct students to go through the digital lesson at their own pace. They must complete the Student Copy Pages as they move through the training. You may also want to ask them to take pictures or video logs of the activity as they complete it.
2. Students can download the Student Copy Pages during the digital lesson. If they cannot print at home, they can still complete the lesson on a separate piece of paper. Ask students to show their calculations for each step.
3. Give students the link to the digital lesson: <https://lessons.projectwet.org/drop-in-the-bucket/>
4. Students will go through the lesson at their own pace. They will print or photograph the proof of completion at the end of the course to submit to you.
5. Engage students in online interactive discussion after the lesson. Were they surprised by the percent of available water on Earth?
6. Discuss why good water resource management and water conservation is important to ensure enough clean water for everyone.
7. Is the availability of water the same for everyone everywhere on Earth? (No!) Why not? How does the availability of clean water change for desert areas versus forested areas?

### **Tips for Parents Using this Lesson at Home**

1. Give your child the link to the digital lesson: <https://lessons.projectwet.org/drop-in-the-bucket/>
2. Allow them to go through the digital lesson at their own pace. They should print and complete the Student Copy Pages as they move through the training.
3. You and your child can download the Student Copy Pages during the digital lesson. If you cannot print at home, you can still complete the lesson. Simply have them write their answers on a separate piece of paper and include the calculations.
8. Afterwards, discuss why managing water properly and water conservation is important to ensure enough clean water for everyone. Is the availability of water the same for everyone everywhere on Earth? (No!) Why not? How does the availability of clean water change for desert areas versus forested areas?