

# How much water do you use?

## Teacher Notes

**NGSS-** HS.ESS2.C.1 HS.ESS2.C.2

Asking questions and defining problems

Analyzing and interpreting data

Using mathematics and computational thinking patterns

### Context of use:

I use this activity in my 9<sup>th</sup> Grade Earth and Space class as an introduction to the Hydrosphere. The crosscutting theme of our course is the importance of sustainability. This activity allows the students to gain a basic knowledge of how much water they require.

### Set up and Materials:

- Bring in five 1 gallon containers to allow students to visualize how little sub-Saharan Africans use per day. They do not need to be filled.
- Print 1 sheet for each student to fill in
- Each student will need a calculator

After students have filled out the Times per Day and Total Water Used columns show the following two-minute video to spark student thinking.

<https://www.youtube.com/watch?v=PjSUg6JsLYw>

The video will lead into the information they are to use in the analysis questions. Once they have answered the analysis questions allow time for discussion. (I normally have great conversations with my students at this point)