

## Activity: Water Log

To build awareness of how they see and use water, have students keep a daily water journal. You can use the attached journal page or create your own. Younger students might draw a way they see water in their home or environment. Have students share their journal entries with a partner or with the class.

### Making a Journal:

1. In their water log, have students list all of the places where they encounter water in the environment. (ex: rivers, rain, shower)
2. Place a bucket outside to measure and record rainfall or place a graduated cylinder of water in the classroom and measure the amount that evaporates each day.
3. Ask students to list the ways that they use water each day.
4. As a class, discuss the connection between the water we see outside and the water we use inside. Where does the water in your house come from? How does it get there?
5. Optionally, have students estimate the total number of gallons of water that they use each day by consulting the conversion table on the attached journal page.
6. Discuss why it might be important to conserve water. Challenge students to use less water the following day.
7. At the end of the week, consider making a graph of the total amount of water that your class used each day. Invite students to share the ways they cut down their water usage.

### Extension: Invite a Guest!

Find out if there are parents in the class who work with water systems (plumbers, treatment plant employees). Invite them to come and share their knowledge with the class. Encourage them to bring tools or supplies that they can use to help demonstrate what they do.

### Alignment with State Goals

#### State Goal 3

Write to communicate for a variety of purposes

#### State Goal 6

Demonstrate and apply a knowledge and sense of numbers, including numeration and operations

#### State Goal 7

Estimate, make and use measurements of objects, quantities and relationships and determine acceptable levels of accuracy.

#### State Goal 13

Understand the relationships among science, technology, and society in historical and contemporary contexts

#### State Goal 10

Collect, organize and analyze data using statistical methods; predict results, and interpret uncertainty using concepts of probability

# Daily Water Log

Where did you SEE water in the environment today?

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## Water by numbers!

Centimeters of rain / snow \_\_\_\_\_

Centimeters of water evaporated \_\_\_\_\_

How did you USE water today?

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Activity	Gallons per use	# Times per day	Gallons Used
Drinking Water	1/8 per glass		
Flushing Toilet	5		
Brushing Teeth (with water running)	2		
Dishwasher	20		
Washing dishes by hand	30		
Load of Laundry	40		
Shower or Bath	5 per minute water is running		
		<b>Total =</b>	

## Water by numbers!

Use the chart to the left to estimate how much water you used today.

**Example:** If you brushed your teeth 3 times today, the total water used is 6 gallons

2 gallons x 3 uses = 6 gallons

If you used water in a way that is not listed on the chart, add this activity to the blank line and estimate how many gallons you might have used.