

# A STEM in the Park

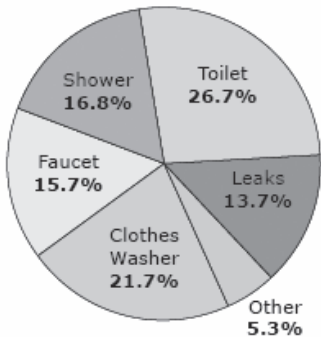
## Take Home Activity

# STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

## Water Use Chart



### **What You Need**

- The chart (see back side)

### **What To Do**

Pay attention and count how many times a day people in your household do the activities that use water. Enter the number of times in the chart. Multiply the number of times by the amount of water used in gallons. Then add up all of your totals. This is how much water your household uses in a day. Compare your amount with the amount of water an average African family uses each day. What would you cut out if you only had five gallons of water a day?

*Continued on back*

<b>Activity</b>	<b>Number of times per day</b>	<b>Estimated amount of water used (gallons)</b>	<b>Total gallons of water used each day for this task</b>
<b>Washing face/hands</b>		<b>1</b>	
<b>Taking a shower</b> (standard shower head)		<b>50</b>	
<b>Taking a shower</b> (low flow shower head)		<b>25</b>	
<b>Taking a bath</b>		<b>40</b>	
<b>Brushing teeth</b> (water running) 2		<b>2</b>	
<b>Brushing teeth</b> (water turned off)		<b>.25</b>	
<b>Flushing the toilet</b>		<b>4</b>	
<b>Shaving</b>		<b>1.5</b>	
<b>Drinking a glass of water</b>		<b>2</b>	
<b>Washing dishes by hand</b>		<b>2</b>	
<b>Running a dishwasher</b>		<b>3</b>	
<b>Doing a load of laundry</b>		<b>30</b>	
<b>Watering lawn</b>		<b>300</b>	
<b>Washing car</b>		<b>50</b>	

**Total:** Add up all subtotals from Column C (Total gallons of water used each day for this task): \_\_\_\_\_

I use \_\_\_\_\_ gallons of water each day.

The average African family uses five gallons of water each day. If you had access to only five gallons of water a day, how would you change the way you use water? Use the information from the above Personal Water Use Chart to determine what a day's worth of water usage would look like if you only had access to five gallons.

From: Students Rebuild, Water Challenge Curriculum, <http://studentsrebuild.org/find-challenge/water-challenge>

***This activity is brought to you by the BGSU Department of Sociology***

