

How Do We Use Water in Our Classrooms?

Recruit classrooms to help you investigate how individual classrooms use water and how that adds up for the overall school's water usage. For each classroom participating, you will need to give them the **Water Use by Classroom** worksheet below. **There are two classrooms charts per sheet so you will need to cut them in half.**

Water Use by Classroom- Complete the chart as you investigate water-using devices in classrooms. Add rows if needed in order to collect information on all the classrooms.

These notations are used in the Sample Water Investigation:

A= Automatic: equipment that must be turned on manually but turns off automatically or on a timer.

S= Sensors: equipment that turns on and off based on movement of person using the equipment.

M= Manual: Equipment that must be physically turned on and off by user.

Directions: In the "Total Number" column, write in the number of each device found at that location and indicate with an "A" "S" or "M" if the device uses Automatic, Sensor, or Manual equipment to operate. In the "# Leaking" column, indicate the number that are leaking/dripping.

***To calculate the amount of water wasted per unit time:** Time how long it takes for a set volume of water to drip into a beaker, and then calculate how much water is wasted per day due to this drip.

***Use the "Water Use by Classroom" chart from below if the classrooms in your school have sinks, water fountains or bathrooms. Compile the data from the "Water Use by Classroom" chart and insert the totals on the above School Wide water use chart.**



**Be creative in all the ways you can monitor water usage in your school.
Remember, every drop counts!**



Water Use by Classroom

Turn in to _____ by _____.

Date of Investigation: _____

Teacher Name:					Room #:					
Location	Faucets		Water Fountains		Toilets		Drinking Fountains		Other	
	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking
Bathroom 1										
Bathroom 2										
Sink										
Other:										
Other:										
Other:										
Other:										

Water Use by Classroom

Turn in to _____ by _____.

Date of Investigation: _____

Teacher Name:					Room #:					
Location	Faucets		Water Fountains		Toilets		Drinking Fountains		Other	
	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking	Total Number/ A-S-M	# Leaking
Bathroom 1										
Bathroom 2										
Sink										
Other:										
Other:										
Other:										
Other:										

How Do We Use Water in Our School?

School Wide Water Use- Complete the School-Wide Water Use Chart as you investigate water-using devices throughout the school building. Add rows if needed in order to collect information on all the rooms in your school building. Collect the **Water Use by Classroom** charts to complete filling in your school-wide investigation.

These notations are used in the Sample Water Investigation:

A= Automatic: equipment that must be turned on manually but turns off automatically or on a timer.

S= Sensors: equipment that turns on and off based on movement of person using the equipment.

M= Manual: Equipment that must be physically turned on and off by user.

Directions: In the “Total Number” column, write in the number of each device found at that location and indicate with an “A” “S” or “M” if the device uses Automatic, Sensor, or Manual equipment to operate. In the “# Leaking” column, indicate the number that are leaking/dripping.

***To calculate the amount of water wasted per unit time:** Time how long it takes for a set volume of water to drip into a beaker, and then calculate how much water is wasted per day due to this drip.



