

Water Systems Unit Project

Part A: You will monitor your water use for **two days** (one *school day* and one *non-school day*.) You will then come up with strategies to lower your top three consumption amounts (i.e. toilet flushes, shower, etc) and employ them for *two more days* (one school, one not.) **The goal is to cut your water consumption in half for the second set of days!**

This will require you to determine the litres/flush of your toilets, the flow rate of your shower-head, faucets, the volume of water that is used in your machine for each load of dishes/laundry, etc. Which means that you need to start looking at/determining/measuring these amounts BEFORE you start logging in your water use into the tables below (like tonight!) If you are having trouble determining amounts for appliances, I will provide some standard amounts that you may use.

Day 1 and 2:

Task	Week Day	Weekend	# use/ total mins	L/use or L/min	Total litres used	% of grand total
Shower						
Toilet						
Dishes						
Laundry						
Brushing teeth/ washing hands & face						
Drinking						
Other (specify)						
Totals						100%

In the following table, you need to list your top three consumption tasks, the litres used, half of that, and SPECIFIC strategies to lower your consumption. Remember, the goal is lower your consumption *while living the same lifestyle/level of cleanliness* (i.e. not taking a shower should not be a strategy if you normally would take one.)

Task	Litres used	Goal (L)	Specific strategies to lower consumption

Day 3 and 4 (Remember, you are trying to cut your consumption in half!)

Task	Week Day	Weekend	# use/ total mins	L/use or L/min	Total litres used	% of grand total
Shower						
Toilet						
Dishes						
Laundry						
Brushing teeth/ washing hands & face						
Drinking						
Other (specify)						
Totals						100%

Average usage in L for appliances/faucets/shower-heads

Units are given in Litres - to do a quick conversion to gallons if desired, divide by four

12L/min for your shower-head

6L/flush for the toilets

20L/load for dishwasher

60L/load laundry

6L/min (or 1L/10 sec) faucet

50L/min (or 9L/10sec) garden hose/sprinkler

For your parenting purposes, the section below may be best implemented as a conversation rather than in writing!

Part B: Now that you have all the tools and information that you need, and you have seen how easy it is to be mindful about your water consumption, I would like you to put it all together in a neat little package.

I would like you to write one paragraph in the space below that says *why you think conserving water is important* (remember, water conservation means using less water AND taking care of the water we already have by not polluting!) and *how you plan to conserve water from now on in your daily life*.

Why I think conserving/saving water is important:

How I will use less water in my life:
