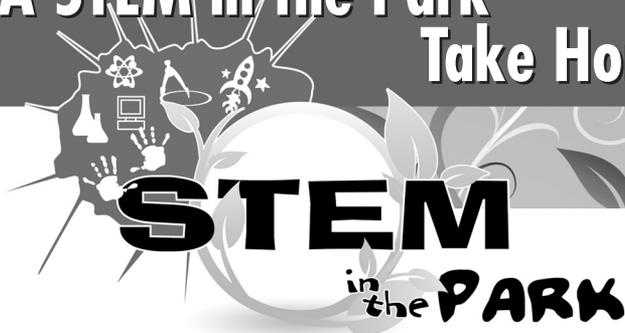


A STEM in the Park Take Home Activity



Science, Technology, Engineering, and Mathematics

Make a Personal Water Meter

What You Need

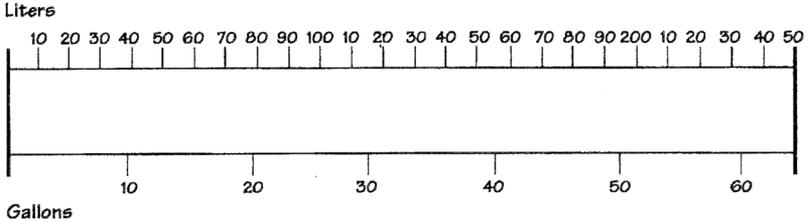
- Colored Ribbon
- Scissors
- Glue or Tape

What To Do

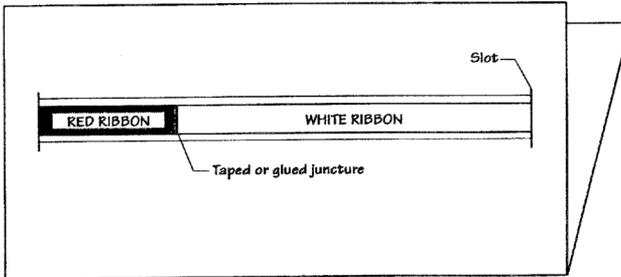
1. Cut out the *Personal Water Meter* (on back of this card) ruler pattern along the heavy line and paste on an index card.
2. Cut two pieces of different-colored ribbon, each about 1/2 inch (2 cm) longer than the length of the ruler in the *Personal Water Meter*. Overlap ends of different ribbons and glue or tape the end of one ribbon to the end of the other.
3. Cut a slot at each end of the paper ruler. Insert the ribbon into one cut. Thread the other end of the ribbon through the other slot. Glue or tape the two ends together. The ribbon should be tight, but slide smoothly through the slots.
4. Fold the ruler along the dotted line and tape the edges together.

Continued on back

PERSONAL WATER METER



- Drinking water 1 cup is about 1/8 gallon or 1/4 liter
- Flushing toilet about 5 gallons or 19 liters
- Brushing teeth (water running) about 2 gallons or 7 liters
- Dishwasher about 20 gallons or 75 liters ÷ number of people in household
- Dish washing by hand
 (water running) about 30 gallons or 113 liters ÷ number of people in household
 (sink with stopper) about 10 gallons or 37 liters ÷ number of people in household
- Load of laundry about 40 gallons or 152 liters ÷ number of people in household
- Shower/bath about 5 gallons per minute or 19 liters per minute water is running



Lucas Soil & Water

Conservation District

Student Name: _____

Household Member Name: _____

Personal Water Use Chart

{ To be filled in by student }

Activity	Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Total Number of Times	Estimated Amount of Water Used (gallons)	Total Weekly Water Use (gallons)
Washing face or hands									1	
Taking a shower (standard shower head)									50	
Taking a shower (low flow shower head)									25	
Taking a bath									40	
Brushing teeth (water running)									2	
Brushing teeth (water turned off)									0.25	
Flushing the toilet (standard flow toilet)									5	
Flushing the toilet (low flow toilet)									1.5	
Shaving									2	
Getting a drink									0.25	
Cooking a meal									3	
Washing dishes by hand									10	
Running a dishwasher									15	
Doing a load of laundry									30	
Watering lawn									300	
Washing car									50	
Total Weekly Water Use by Household Member (gallons)										