

Water Conservation Survey

We, as teachers, students, and parents, can help conserve and care for the vital water resources we need. Many small choices made daily can help keep our environment and water supplies healthy.

Directions:

As part of our preparation for the February symposium, we would like you to do a home water conservation survey in order to bring a greater awareness of our individual/family water usage. There are two parts to this survey.

“Normal” Water Use

Part I (the 1st 2-week period):

- 1) Ask your parents where the water meter is located, and that they help you learn how to read the meter.
- 2) Record the water use of your home by reading the water meter and writing down the number on **Sunday Jan. 6th**. (Use the chart attached.) Water is measured in cubic feet.
- 3) Go about your two weeks as usual monitoring what appliances your family uses over the course of 2 weeks. (ie. Use of dishwasher, washing machine, etc.)
- 4) Keep track of numbers of baths, showers, etc.
- 5) During these two weeks think about and talk with your parents about ways you could conserve water, but make no changes during these two weeks. Just plan the changes, gather any necessary materials and be prepared to make the changes on January 20th.
- 6) Record the water meter reading a 2nd time on **Sunday Jan. 20th**.
- 7) Subtract the 1st reading from the 2nd reading to find out how many cubic feet of water that you and your family used over these 1st 2 weeks. This second reading and recording is also the start point for the next two weeks.

Water Use after Making Daily Conservation Changes

Part II (the 2nd 2-week period):

- 1) On **Sun. Jan. 20th**, immediately make the changes that you and your family have agreed on in order to be more water conservation efficient. If it's a change in behavior, begin the changes and maintain these over the two-week period.
- 2) Monitor what appliances your family has used over the course of the next 2 weeks as you did for the first two weeks.
- 3) Again, keep track of numbers of baths, showers, etc.
- 4) On **Sunday Feb. 3rd**, the end of the 2nd two-week period, record the water meter reading a third time.
- 5) Subtract the 2nd reading from the 3rd reading to find out how many cubic feet of water you and your family used over these 2nd 2 weeks.
- 6) Reflect on your water consumption:
Use the attached pages to write down your thoughts. Be ready to turn this packet in by **Thursday Feb. 7th**.

Meter Readings

1st <u>2-Week Period</u>	Water		Electric	
	Date	Cu. Ft.	Date	Kwh
1 st reading:	Sun. Jan. 6th		Sun. Jan. 7th	
2 nd reading:	Sun. Jan. 20th		Sun. Jan. 21st	
Difference:	Sun. Jan. 20th		Sun. Jan. 21st	
2nd <u>2-Week Period</u>				
2 nd reading:	Sun. Jan. 20th		Sun. Jan. 21st	
3 rd reading:	Sun. Feb. 3rd		Sun. Feb. 4th	
Difference:	Sun. Feb. 3rd		Sun. Feb. 4th	

Reflection on Water Consumption

1) Was there a change in how much water was consumed from the 1st two weeks to the 2nd two weeks? If so, how was there a change?

2) What changed in how you used water?

3) If you could do this survey again in order to improve the reduction of water use, what would you do and why?

4) What have you learned about your and your family's water use?

5) Do you think that through your study of Water you will make any steps towards reducing water consumption? If yes, what would they be? If no, why not?

Some things to check for:

(make a list from class brainstorming- still to be done!)