



Water Conservation Poster

Suggested Curriculum links (Grade 2)

Earth and Space Science: Air and Water in the Environment

- 103-8 identify the importance of clean water for humans, and suggest ways they could conserve water.

Mathematics: Data Analysis

- 2SP1.2 Organize data as it is collected, using concrete objects, tallies, check marks, charts or lists.
- 2SP2.6 Solve a given problem by constructing and interpreting a concrete graph or pictograph

Language Arts

- Students will be expected to use a range of strategies to develop effective writing and media products to enhance their clarity, precision, and effectiveness.

Materials

- Paper
- Crayons/Markers
- Pencils

Overview

Water directly affects the health of plants, animals and humans. Students will track and graph their water use and discuss and depict ways to conserve water.



Objectives

- To identify ways in which people use water in their homes.
- To identify ways to conserve water at home.

Background

Out of all the water on our planet, there is only a small amount of fresh water (3% of the world's water) that humans, plants and animals can use. Fortunately, water is naturally recycled (collected, filtered and distributed) through the water cycle. However, pollution (from farming, urbanization, sewage and construction), rising populations and human impacts on the water cycle threaten the availability of communities' water supplies.

It is up to humans to protect our water quality and supply by conserving water and reducing our impact on water.

Procedure

- ❖ Make copies of the **Water Usage Tally Sheet** and **Water Usage Pictograph Sheet** ahead of class.
1. *Review how humans use water.*
Tell the students that they have been hired by The Suncor Energy Fluvarium to help people use conserve water. Discuss how humans are impacting water quality and supply.
 2. *Track water use for each student.*
The student's first job is to study how much water people use per week. Ask the students to come up with as many ways as possible to use water. Have the students follow their family's water usage for a day and fill out the **Water Usage Tally Sheet**.



At the Fluvarium

Join us for *Water, Air, Everywhere!*

Students will examine two of the most important elements that sustain life: Water and Air. Hands-on, station-based activities examine the elements of water and air and how humans and other organisms use these resources. They will investigate the pollution of water through misuse and our attempts to clean it.

3. Analyze the data from the *Water Usage Pictograph Sheet*.

Show the **Water Usage Pictograph Sheet** to the class. Have them analyze the graph and write as much information as they can about it. Have the students compare their own water usage tally to the pictograph. Discuss how we can reduce our water use (low flow toilets and shower heads, using a dishwasher only when it is full, shorter showers, using a cup when brushing their teeth).

4. Make a poster to educate others.

Tell the students that they will be designing a poster for the Fluvarium to educate other students, parents and families about conserving water. Have them draw a picture of one way to conserve water and write a short description of what it is.

5. Share their posters with the school and the public.

Post the posters in the class or in a school hallway. Students may also send their posters to the Fluvarium to go on the website, in the Ripples newsletter or on our wall.

Extensions

- Have the students use their tally sheets to make their own pictograph.
- Have the students draw pictures of the various ways humans use water and make a class pictograph.
- Grow plants in the classroom and make rainwater collectors from pop bottles. Use the water collected to water the plants.

Resources

Websites

Environment Canada - Water Conservation Tips

http://www.on.ec.gc.ca/reseau/watertips_e.html

Find great tips on conserving water in the home and garden.

Books

Come on rain. Hesse, Karen. Scholastic Press. 1999.

Water, Water Everywhere. Overbeck Bix, Cynthia. Sierra Club Books for Children. 1995.

Why Should I Save Water? Green, Jen. Barron's Educational Series. 2005.





Water Usage Tally Sheet

Keep track how many times you used water in your house.

Activity	Tally
Have a glass of water	
Brush your teeth	
Use the toilet	
Wash your hands	
Wash dishes by hand	
Wash dishes with a dish washer	
Take a shower/bath	
Water house plants	





Water Usage Pictograph Sheet

