

Where Does My Water Come From?

Indoor Activity

Curriculum: literacy, science

Instructions:

- Watch these two short clips: [What is a Watershed?](#) (1.18 min) and [Where does Edmonton's Tap Water come from?](#) (1.17 min).
- Take a tour of your house from top to bottom, inside and out, exploring every room. Identify every entry point where water may enter your house and every exit point where it leaves your house. In your science journal, draw a diagram of your house and label your observations.
- Reflect on the following questions:
 - Where does your household water supply come from?
 - Do you know where the water comes from before it reaches your house?
 - Do you know what watershed you live in?
 - Do you know where it goes after it disappears down a drain?
- Now it is time to do some research! To answer these question go to your town or municipalities website. Once you have found out your water source and where your water is treated label these sources and connect them to your house diagram.

Learning Extension – Graph Your Home Water Usage

Materials: paper, markers, pencil crayons

Instructions:

- Ask your parents for copies of your household water bill.
- Create a bar graph to show how much water your household used for 6-12 months. This bar graph will allow you to compare how much water your house used between various months of the year.

- Ensure your graph has a title.
- On the bottom of your graph, label the months of the year from January to December.
- On the vertical or side of your graph, write numbers in increments of 2 all the way to 50 (0, 2, 4, 6, 8...50). These numbers represent a cubic meter of water (M³). To picture this, see if you have a meter stick at home. Imagine a cube or box that has sides this big. This represents 1 cubic meter of water (1 M³).
- Using your Parents water bills, determine the month the bill is for and look for how much water your house consumed. Using your pencil crayon draw a bar from the month to the amount of water used. Continue doing this for 6 to 12 months.
- Examine your completed graph. On the back of your graph answer the following questions:
 - Which months did your house use the most water?
 - Which months did it use the least?
 - What activities in your house may contribute to you using more water in the high usage months?
 - Can you think of ways your family could reduce the amount of water it uses? List as many ways possible.
 - Why do you think conserving or not wasting water is important?