

Wonders of Water
Grade 2
Primary Program: Water All Around Us



Description:

This program aims to inspire love and appreciation for the water cycle and our local water system by adventuring with a water droplet. Students will follow a droplet on its journey by getting dirty down the storm drain. They will also participate in a hands-on experiment, getting cleaned using some of the same elements as our local water treatment plant. Finally, students will celebrate with a cheers-to-water action plan when they help develop a plan to understand how their actions can have a positive impact in protecting local water.

Curriculum Links – Grade 2: Understanding Life Systems: Growth and Changes in Animals

Overall Expectations:

1. Assess ways in which animals have an impact on society and the environment, and ways in which humans have an impact upon animals and the places where they live
2. Investigate similarities and differences in the characteristics of various animals

Specific Expectations:

- 1.2 Assess personal and family uses of water as responsible/efficient or wasteful, and create a plan to reduce the amount of water used, where possible

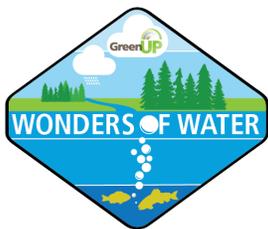
Curriculum Links – Grade 2: Understanding Matter and Energy: Properties of Liquids and Solids

Overall Expectations:

1. Assess ways in which the uses of liquids and solids can have an impact on society and the environment
2. Investigate the properties of and interactions among liquids and solids
3. Demonstrate an understanding of the properties of liquids and solids

Specific Expectations:

- 2.1 Follow established safety procedures during science and technology investigations (e.g., clean up spills as soon as they happen)
- 2.2 Investigate the properties of liquids (e.g., conduct experiments to compare the rate at which different liquids flow) and solids (e.g., conduct experiments to find out ways in which solids can be changed)



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2.3 Investigate, through experimentation, interactions that occur as a result of mixing and/or dissolving liquids and solids (e.g., salt and water, sand and water), liquids and liquids (e.g., oil and water), and solids

Curriculum Links – Grade 2: Understanding Earth And Space Systems: Air and Water in the Environment

Overall Expectations:

1. Assess ways in which the actions of humans have an impact on the quality of air and water, and ways in which the quality of air and water has an impact on living things
2. Investigate the characteristics of air and water and the visible/invisible effects of and changes to air and/or water in the environment
3. Demonstrate an understanding of the ways in which air and water are used by living things to help them meet their basic needs

Specific Expectations:

3.2 Identify water as a clear, colourless, odourless, tasteless liquid that exists in three states and that is necessary for the life of most animals and plants

3.3 Describe ways in which living things, including humans, depend on air and water (e.g., most animals, including humans breathe air to stay alive; wind generates energy, disperses seeds; all living things need to drink or absorb water to stay alive; water is used for washing and bathing, transportation, energy generation)

3.4 Identify sources of water in the natural and built environment (e.g., natural: oceans, lakes, ponds, streams, springs, water tables; human-made: wells, sewers, water supply systems, reservoirs, water towers)

Key Vocabulary:

Water cycle
Investigate
Protect
Health
Harmful
Pollution
Experiment