

Grade 1 Lesson Outline

Lesson Title: Exploring Water	Duration: 40 minutes
Introduction:	
In this lesson, students will learn about water and wastewater treatment, water efficiency and the importance of drinking tap water.	
How to use this resource:	
Refer to the list below for all resources required for this lesson: <ul style="list-style-type: none">• Grade 1 Presentation includes all slides, speaking notes and video links required for the lesson• Exploring Water worksheet looking at ways that water is used• Water Promise (2 versions)<ul style="list-style-type: none">o Classroom version: to hang near a classroom sinko Take home version: for family to hang near bathroom sink Print the following files before you begin the lesson: <ol style="list-style-type: none">1. Exploring Water worksheet (1 per student)2. Water Promise (2 versions)<ul style="list-style-type: none">• Classroom version to hang near classroom sink (print 1 copy for entire class)• Home version for family to hang near bathroom sink (1 per student)	
Key Messages:	
<ul style="list-style-type: none">• All living things needs water• We need to save water, so it stays clean and there is enough for everyone• The water treatment plant keeps our water safe and healthy for everyone• Water uses change with the seasons• Personal actions can help protect water, such as being careful with what we pour down the sinks at home and at school	
Key Topics:	
<ul style="list-style-type: none">• Water Conservation• Water Treatment• Water Quality	
Curriculum Connections:	

For a complete list of curriculum connections, refer to the Curriculum Connections for Grade 1

Science & Technology:

Understanding Life Systems – Needs and Characteristics of Living Things

- 1.1, 2.2 & 3.4

Understanding Matter & Energy: Energy in our Lives

- 2.2

Understanding Earth & Space Systems: Daily & Seasonal Changes

- 1.2 & 3.4

Social Science:

- The Local Community

Lesson Outline:

Slide 2: The Region of Peel

- ____ Ask students – what city or town do they live in?
 - Let students know the city or town they mentioned is part of a larger area that is called the Region of Peel
 - Region of Peel includes the Town of Caledon and 2 cities – City of Brampton and City of Mississauga
 - Some of the programs and services that the Region of Peel provides to our communities includes:
 - Garbage, recycling and organics collection
 - Maintaining Regional roads, including snowploughing in the winter and paving in the summer
 - Paramedics (ambulance)
 - Police
 - Providing safe clean water to drink and cleaning the dirty water when you're done
 - Today, we are going to learn about how water is important to all living things, and how we use water everyday at school and at home

Slide 3: Water is important!

- ____Ask students - why do they think water is important?
- All living things needs water to live (humans, animals, our pets, plants, flowers, trees, all the food that grows on farms)
 - Does anyone know where we get our water from? (Lake Ontario)
 - Brampton, Mississauga and Bolton get water from the lake. Other people in Caledon get water from wells, either on their own property, or municipal wells that are owned by the Region
 - Water from Lake Ontario is fresh, which means that the water is not salty like the water in oceans and seas
 - What season do you think people use more water?
 - During summer months, people use more water to wash their cars, water their lawns and gardens, than during the winter months
 - What would happen if Lake Ontario ran out of water?
 - __Have students share their thoughts

Slide 4: We use water for...

- Brainstorm with the class different ways they use water at home and at school. This can be done on chart paper or a board.

At school	At home
Washing our hands	Drinking
Drinking water	Taking a bath
Using the washroom – flushing the toilets	Using the washroom – flushing the toilet
Painting	Brushing our teeth
Watering our plants	Washing our clothes – washing machine
Water fountain in our school	Washing our dishes

○ 10-15 minutes to complete this activity

- Let's count together how many ways we use water

Slide 5: Video

- Sesame Street video: The Water Song <https://www.youtube.com/watch?v=CwpHMPH-WbM>
- Length of video: 1.27 minutes
 - Feel free to get the class up and dance/move along to the song
 - After the song, ask students if there were any other uses of water that they didn't think about already?
 - What are some examples that we use water that we didn't see in the video? ○ Discuss with the class why water is valuable and why we should not waste it, and also highlight that water is safe and a healthy beverage choice

Slides 6: Animated Water Treatment

- Dew's Water Adventure
<https://peelregion.vids.io/videos/ac9cd9b41d19e1c225/dews-water-adventure>
- Length of video: 4:03 minutes

Discussion Questions:

- Why does water have to be treated before we use it?
 - The next few slides include a fun activity that will teach us about saving water

Slides 7-14: Game 'Saving Water, Wasting Water'

- Look through the pictures of Dew Drop and describe what Dew Drop is doing in the image
 - If Dew Drop is saving water, shrink into a small ball
 - If Dew Drop is wasting water, stretch your body and make an X to show much water is getting wasted
 - Demonstrate the actions with the students and have them follow along before beginning the game
- Discussion Questions after the activity:
 - What are some ways we can conserve water at school and at home? (conserve means to save and protect for future generations to enjoy)
 - What does saving water and wasting water mean?

Slide 15: Video

- Before watching video with class, ask students the following:
 - Ask the students - What happens to the water after we use it at school and at home? Brainstorm with the class, then watch the video to find out, and then answer what you learned
- TVO Now You Know: Where does the water go after I flush the toilet?
<https://www.tvokids.com/preschool/now-you-know-kindergarten/videos/toilets>
- Length of video: 6.59 minutes
- **Answer:** All that water goes down the pipes in our homes/school, travels in underground pipes and ends up in a place called the Water Resource Recovery Facility that cleans all that water before sending it back to the Lake
- Why is it important that we clean the water we use?
- Why should everyone be careful of what they pour down the sink or toilet?

Slide 16: Commit to make personal changes to conserving water

- Classroom Water Promise
 - I will turn off the tap when washing my hands at school
 - Have all students sign off on the pledge and hang beside the classroom sink
- Home Water Promise
 - I will turn off the tap when brushing my teeth at home
- Wrap up the lesson
 - Ask students what they learned during this lesson
- Explore Water worksheet
 - Have students complete the worksheet after the lesson

Extension Activities:

- __ Looking for ways to extend your learning, check out our extension activities at peelregion.ca/enviroed and [Teach Green in Peel](#)