

2023 Activity Centres

Station # & Activity Centre	Description
1. Lather Up	In this activity, students find out how much water they use by showering each day. They compare the water use from a normal showerhead and a low flow showerhead.
2. Royal Flush	How does my toilet work? How does the required amount of water come back every time? It will also teach them how to conserve water in the home with a simple technological device such as a water displacement mechanism placed in the tank.
3. Green Roof	In this activity centre, students compare the rapid runoff associated with a conventional roof to the delayed, environmentally friendly green roof.
4. Water Wheel of Fortune	This is a game show style activity where questions are asked on different environmental topics such as water, Bay of Quinte, wetlands, great lakes, climate change, invasive species.
5. Dripial Pursuit	This is a game show style activity where two teams of students use their water knowledge to answer questions in a competition to see which team can get all of their "pie" pieces first.
6. Water Cycle Relay Race	Students will review the water cycle through a relay race vocabulary game and become familiar with proper terms- evaporation, transpiration, clouds, rivers, water cycle, condensation, groundwater, precipitation, percolation and where they fit in the water cycle.
7. Off I Go!	In Southern Ontario we have many nearby sources of water. In many countries people must travel far distances to obtain clean drinking water. Students participate in a relay race to simulate the act of carrying water over difficult terrain and long distances.
8. Doing the Laundry	Why in 1914 was Monday considered Laundry Day? Students try doing laundry using old methods and equipment and compare water consumption to the present day.
9. We Use That Much?	This activity helps students visualize the amount of water that is used for different common activities in the home. Students will stack the number of 2L pop bottles to represent how much water they use for common activities such as brushing teeth, and taking a shower.
10. 70% Water	Students will learn and understand through visual representation that the human body is about 70% water.
11. Down on the Farm	In this activity, students will discuss the daily feed and water rations necessary to maintain the health of a dairy cow so that she can supply us with milk. They will have the opportunity to compare the amount of water a cow needs every day and to place this within their daily diet.
12. 3 X's a Day	Students will simulate brushing their teeth using two methods and determine the amount of water used for each method.
13. Porosity and Permeability	This activity is designed to show that the flow of water depends on various factors including the medium (sand, gravel, clay) and the pressure it is under (slope of the tube). This activity illustrates the relative particle sizes of clay, sand and gravel and how these affect the flow and filtration of water as it moves through the pore spaces in earth materials. Using common objects and physical experiments, students are introduced to the concept of porosity and permeability.
14. AR Sandbox	An activity center learning about topography with an interactive model designed to show the meaning of drought and flooding in an area.
15. Trent Port Marina - Who Cleaned up the Spills?	Trent Port Marina is going to teach us about methods for cleaning up fuel and plastics in our lakes.

16. Kokum Maka Cultural Enterprises	Come and learn about the sacredness of water through the traditional teachings of the Anishinabe. Learn some Aboriginal water songs and use hand drums, shakers, and voice to celebrate the gift of water.
17. The Amazing Aquifer	At this activity centre, there is a model of an <i>aquifer</i> , which is any soil through which groundwater moves easily. The model illustrates the subsurface (sand and gravel aquifers and <i>aquitards (non permeable ground)</i> and its relation to the surface water (lake and river).
18. No New Water (Batawa Ski Hill)	This activity is designed to help students understand the water cycle. Digging up a dinosaur will help to illustrate that the water that was used by the dinosaurs millions of years ago is the same water we use today.
19. Forest Trivia Trail	Students will take a short walk through a forest trail and be challenged by various trivia questions posted along the path.
20. A Drop in the Bucket	Students may know that the earth is covered mainly by water, but they may not realize that only a small amount is available for human consumption. Learning that water is a limited resource helps students appreciate the need to use water wisely.
21. Enviro Jenga	Similar to Jenga but with the effects of water in the environment. This is a fun and interactive way to learn about the environment concepts and the flow of an ecosystem.
22. D.O Limbo	Students will learn how human activities impact dissolved oxygen levels in our lakes and rivers and especially the aquatic life (I.e. Fish).
23. No Water Off A Ducks Back	Students become wildlife biologist, studying feathers when they are dry, wet or soaked with oil. By interpreting their discoveries they realize that oil on feathers creates havoc for ducks. They try cleaning the feathers and then think about how successful their efforts would be on a larger scale (oil spill in the ocean etc).
24. Medical Mystery	To teach students about certain water-borne diseases, they will be called upon to solve the medical mystery. In doing so they will be able to compare their current understanding of how diseases can be spread. The role of water availability, health, and water contamination will be discussed.
25. Life of a Drop	Students will learn about water pollution by pretending to be water drops moving through various stages of a watershed.
26. Water to Plastic	This activity center explains how plastics get in our water system and the adverse effects they have in our ecosystems.
27. Our Wondrous Watershed	This activity uses a map and model to illustrate the various parts of the Lower Trent watershed.
28. Prince Edward County (OPP)	Students learn water safety and safe boating practices from the OPP Marine Unit. The Unit enforces Boating Regulations and executes search and rescue.
29. Quinte West Fire & Water	The fire department will bring a fire truck and explain to the students: fire safety and importance of water in fire protection. The fire truck is used as a focal point and student are engaged interactively with the equipment.
30. OFAH Alien Invaders	Students will learn about invasive species- through OFAH's ISAPA program. The goal of this is to spread awareness of the invasive species in Ontario and the common practices you can use to deal with invasive species.
31. Sandy Pines	Through models and hands-on activities, Sandy Pines Wildlife Centre will inform students about wildlife rescue and rehabilitation, as well as keeping wildlife safe in waterways.
32. What is a Watershed?	Through a hands on model that uses multiple funnels representing the different tributaries in the Trent Watershed the students will learn what a watershed is and how all of the water is interconnected. Students are invited to learn about the watershed that they call home. From the natural features to the mighty river and tributaries, students will take away how and why the Lower Trent Watershed is one of a kind!

33. Quinte West Water	The City of Quinte West will walk children through the drinking water treatment process with an interactive display.
34. Discover the Bugs	Students get a chance to identify and learn about bugs that live in the bottom of streams, and what they tell us about water quality.
35. Erosion Busters	Students will discover erosion, and the role that plants and trees play in stabilizing our shorelines.
36. Wetlands Enviroscope	An activity center learning about wetlands. Specifically, the effects from to human activities and the many ways in which we can prevent them.