

# 29th Waterloo Wellington Children's Groundwater Festival



**May 23 – May 29, 2025**  
**VOLUNTEERS' EVENT GUIDE**



# Waterloo Wellington Children's Groundwater Festival

## Festival

### Introduction

The **Waterloo Wellington Children's Groundwater Festival (WWCGF)** is celebrating 29 years of educating our youth. Congratulations for being a part of this award-winning environmental program. The WWCGF mission is to foster a sense of stewardship and empowerment within the children of Waterloo Region, Wellington County and the City of Guelph through the process of learning about and understanding the value of our water and groundwater resources.

### Purpose

The **WWCGF** brings the expertise of educators, groundwater specialists and members of industry and government to provide students with the opportunity to discover the importance and the diversity of its uses in historical and modern times.

The Festival is a hands-on, interactive event with 50+ activity centres that are educational and fun for students in **grades 2 through grade 5**. The goal is for students to enjoy themselves while teaching them about important water issues. Since 1996, over **100,000** students have been educated. We promote messages that teach about conserving water used daily, protecting our water resources, understanding the water cycle, discovering the interface between water and technology in their lives, and fostering respect toward water and the environment.

Students will have the opportunity to learn about:

- the physical science of groundwater
- groundwater as a resource: management and utilization in rural and urban settings
- the water cycle
- the interdependence of people, plants, animals, soil, air and water
- the results of the interaction between people and water, and what effects it has on the environment
- the role of water in historic and contemporary processes and technology.

All Festival Information posted at: [www.wwcgf.ca](http://www.wwcgf.ca)



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### PREPARING FOR YOUR VISIT

Planning plays an important part in the success of your visit, the use of the following check list:

- ☐ REVIEW the Health and Safety Protocol Will be sent to your email prior to your visit.
- ☐ Register and sign the waiver and volunteer form before attending (if you haven't done so)
- ☐ **NO UNAUTHORIZED CAR PARKING ON-SITE.** Note: Please contact WWCGF coordinator for any special needs concerns, or to arrange for a Parking Pass. Print and bring your parking pass the day of the event.
- ☐ Familiarize yourself with the activity centre you will be leading
- ☐ Stay vigilant and aware of your surroundings at all times
- ☐ There will be copies of the [Visit Scheduler](#), [Activity Centre List](#) and the [Site Map](#) at the Information Booths, feel free to direct volunteers or teachers that way
- ☐ Familiarize yourself with the site map.
- ☐ All stations are to remain open from 9:30am until 1:35pm. Please help us tidy up your station when you are done.
- ☐ Please note that there will not be a predetermined lunch period for participants. Each group is responsible for organizing their own lunch time at the designated lunch areas. Lunch will be delivered to volunteers between 11am and 12:30pm. You will not be able to purchase food on site.



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### ON THE DAY OF YOUR VISIT

#### at the Waterloo Wellington Children's Groundwater Festival

1. Upon arrival at the Ken Seiling Waterloo Region Museum, please park at the volunteer designated area and register at the Volunteer booth.
  2. You will receive training upon arrival to the festival and will be directed to your station.
  3. Festival staff and volunteers will be located in many areas throughout the site. Should questions arise, feel free to ask staff members wearing a safety vest. They will be happy to assist you.
  4. **Emergencies:** there will be first aid trained volunteers on site, please identify the First Aid station as soon as you arrive. Follow emergency procedures stated on the Health and Safety Protocol
  5. **Severe Weather:** all participants will make their way to a safe sheltered location during any severe weather, such as lightning and thunder. All activity centres will be closed during this time. As per Environment Canada advice – activities will re-open half hour after last thunder/ lightening sighting. If extreme weather persists, buses will pick you and your class up and return you to your school.
  6. Please help us to improve our service to you by completing the evaluation form that will be sent to your email address after the festival.
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# Waterloo Wellington Children's Groundwater Festival

## Activity Centres

The Festival covers five basic water themes: Water Conservation, Water Attitude, Water Technology, Water Protection and Water Science:

### Water Conservation Activity Centres

3x's a Day  
Lather Up!  
Royal Flush  
Just add rain  
Water in our Food

### Water Attitude Activity Centres

3 Ps- Pee, Poo, Paper  
A Water Cycles expedition  
Historical Laundry  
Microplastics  
Settler Water Race  
The Price is Right?  
Watering Hole  
Water Jeopardy  
Smart Sippers

Garbage Juice  
Is Your Water Well?  
No Water off a Duck's Back  
Water – Ours to Protect  
Wet N' Wild  
Wetlands  
What's Under Your Feet  
Only Rain Down the Drain

### Water Science Activity Centres

3D Sandbox  
All the Water in the World  
A Day at the Beach  
Aquatic Invertebrates  
Climate Change  
Capture the Carbon  
Chlorophyll  
DO the Limbo  
Eagle Survivor  
GREAT Lakes  
Greenhouse Gasses  
Motion of the Ocean  
The human water cycle  
Porosity and Permeability  
Rate of Flow  
Rainy Day in the Urban Forest  
Frosty Minerals  
Water Cycle  
Water for breakfast  
Watershed Model  
Up on the Watershed  
Well Model  
Potential Chemical Injection Model  
Mapping Water and Rocks  
Turtle Hurdle  
Wally & Deanna

### Water Technology Activity Centres

From Source to tap  
From tap to source  
Infiltration Investigation  
Low Salt Diet  
Stormwater management Display  
River Safety  
Septic Smart  
Water Power  
Water Source  
Well Drill It  
Surface Water Treatment  
Waste Management - Region of Waterloo  
We All Live Downstream  
Water Main Break

### Water Protection Activity Centres

"AQ" the Amazing Aquifer  
Fertilizer Frenzy

Activity centre manuals can be found [here](#).

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## Additional Water Resources on the Internet

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American Water Works Assoc.	<a href="http://www.awwa.org">www.awwa.org</a>
Canadian Mortgage and Housing Corp.	<a href="http://www.cmhc-schl.gc.ca">www.cmhc-schl.gc.ca</a> (search: sustainability)
Canadian Water Resource Assoc.	<a href="http://www.cwra.org">www.cwra.org</a>
Drinking water and groundwater-kids stuff	<a href="http://www.epa.gov/kids">www.epa.gov/kids</a>
Environment Canada	<a href="http://www.ec.gc.ca/">http://www.ec.gc.ca/</a>
Environmental Education Network	<a href="http://eeecom.org/">http://eeecom.org/</a>
Grand River Conservation Authority	<a href="http://www.grandriver.ca">www.grandriver.ca</a>
Ontario's Great Lakes Strategy	<a href="https://www.ontario.ca/page/ontarios-greatlakes-strategy">https://www.ontario.ca/page/ontarios-greatlakes-strategy</a>
National Science Foundation	<a href="http://www.nsf.gov">www.nsf.gov</a>
Ontario Groundwater Association	<a href="http://www.ogwa.ca">www.ogwa.ca</a>
Ontario Power Generation	<a href="http://www.opg.com">www.opg.com</a>
Ontario Water Works Assoc.	<a href="http://www.owwa.ca">www.owwa.ca</a>
REEP – Waterloo Region	<a href="http://www.reepwaterlooregion.ca">www.reepwaterlooregion.ca</a>
Region of Waterloo - Water Services	<a href="http://www.regionofwaterloo.ca">www.regionofwaterloo.ca</a> (search: Water)
Water Can Program	<a href="http://www.watercan.com">www.watercan.com</a>
Water for People	<a href="http://www.waterforpeople.org">www.waterforpeople.org</a>
Water Partners International	<a href="http://water.org">http://water.org</a>
US Geological Survey	<a href="https://www.usgs.gov">https://www.usgs.gov</a>
EPA Environmental Protection Agency (US)	<a href="http://www.epa.gov/gateway/learn/water.html">http://www.epa.gov/gateway/learn/water.html</a>
Canadian Geography	<a href="http://energyiq.canadiangeographic.ca/main/floor_map">http://energyiq.canadiangeographic.ca/main/floor_map</a>
Biodiversity Education and Awareness Network	<a href="http://www.biodiversityeducation.ca">www.biodiversityeducation.ca</a>

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### Kids Sites

Climate Change	<a href="http://www.epa.gov/climatechange/kids/index.html">www.epa.gov/climatechange/kids/index.html</a>
Water Sense	<a href="http://www.epa.gov/watersense/kids/">http://www.epa.gov/watersense/kids/</a>
What's so great about the Great Lakes?	<a href="https://youtu.be/gBRcOLcEwF0">https://youtu.be/gBRcOLcEwF0</a>
PBS Kids Nature Games	<a href="https://pbskids.org/games/nature/">https://pbskids.org/games/nature/</a>