

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 WWCDF 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 WWCDF 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.wwcfg.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 WWCDF 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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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

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 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

Water Science Activity Centres

3D Sandbox
All the Water in the World
A Day at the Beach
Aquatic Invertebrates
Climate Change
Capture the Carbon
Chlorophyl
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

American Water Works Assoc.
Canadian Mortgage and Housing Corp.
Canadian Water Resource Assoc.
Drinking water and groundwater-kids stuff
Environment Canada
Environmental Education Network
Grand River Conservation Authority
Ontario's Great Lakes Strategy

National Science Foundation
Ontario Groundwater Association
Ontario Power Generation
Ontario Water Works Assoc.
REEP – Waterloo Region
Region of Waterloo - Water Services
Water Can Program
Water for People
Water Partners International
US Geological Survey
EPA Environmental Protection Agency (US)
Canadian Geography
Biodiversity Education and Awareness Network

www.awwa.org
www.cmhc-schl.gc.ca (search: sustainability)
www.cwra.org
www.epa.gov/kids
<http://www.ec.gc.ca/>
<http://eecom.org/>
www.grandriver.ca
<https://www.ontario.ca/page/ontarios-greatlakes-strategy>
www.nsf.gov
www.ogwa.ca
www.opg.com
www.owwa.ca
www.reepwaterlooregion.ca
www.regionofwaterloo.ca (search: Water)
www.watercan.com
www.waterforpeople.org
<http://water.org>
<https://www.usgs.gov>
<http://www.epa.gov/gateway/learn/water.html>
http://energyiq.canadiangeographic.ca/main/floor_map
www.biodiversityeducation.ca

Kids Sites

Climate Change
Water Sense
What's so great about the Great Lakes?
PBS Kids Nature Games

www.epa.gov/climatechange/kids/index.html
<http://www.epa.gov/watersense/kids/>
<https://youtu.be/gBRcOLcEwF0>
<https://pbskids.org/games/nature/>