

LWPTSA Sustainability Committee

Water Conservation

Jan 6, 2025

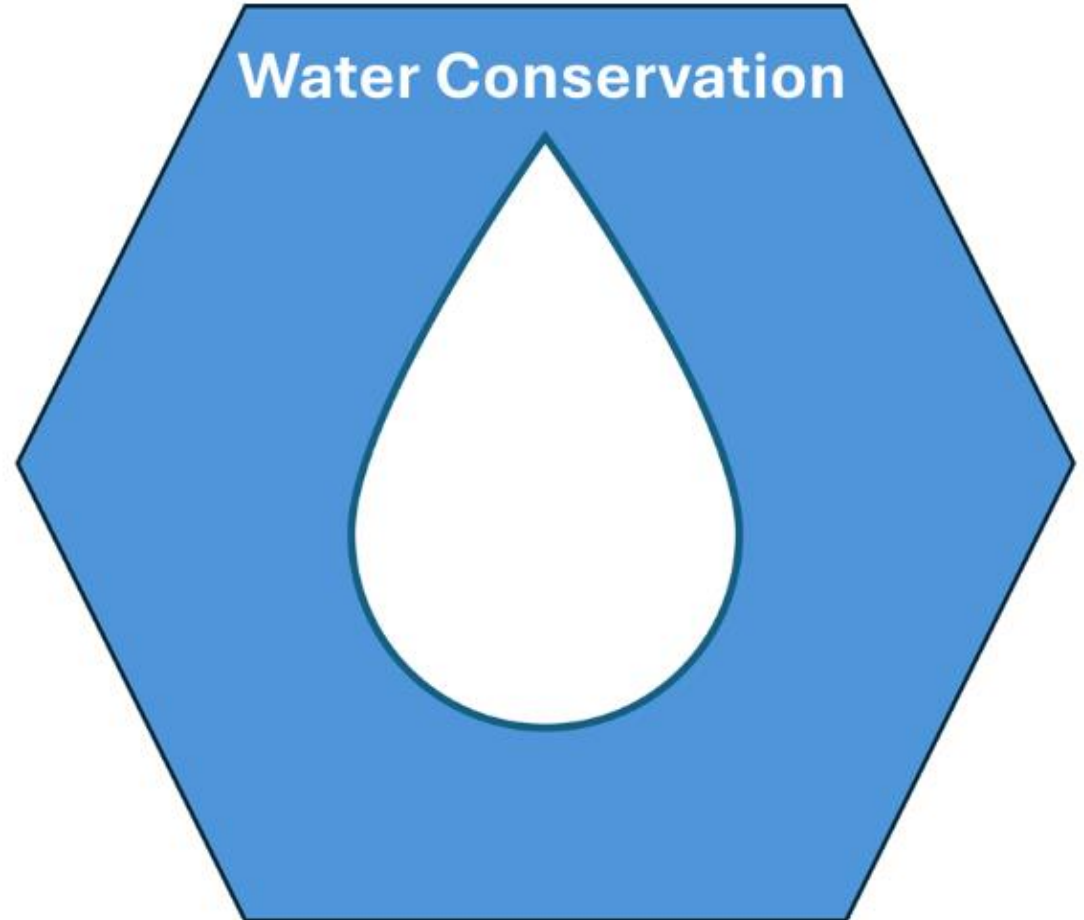


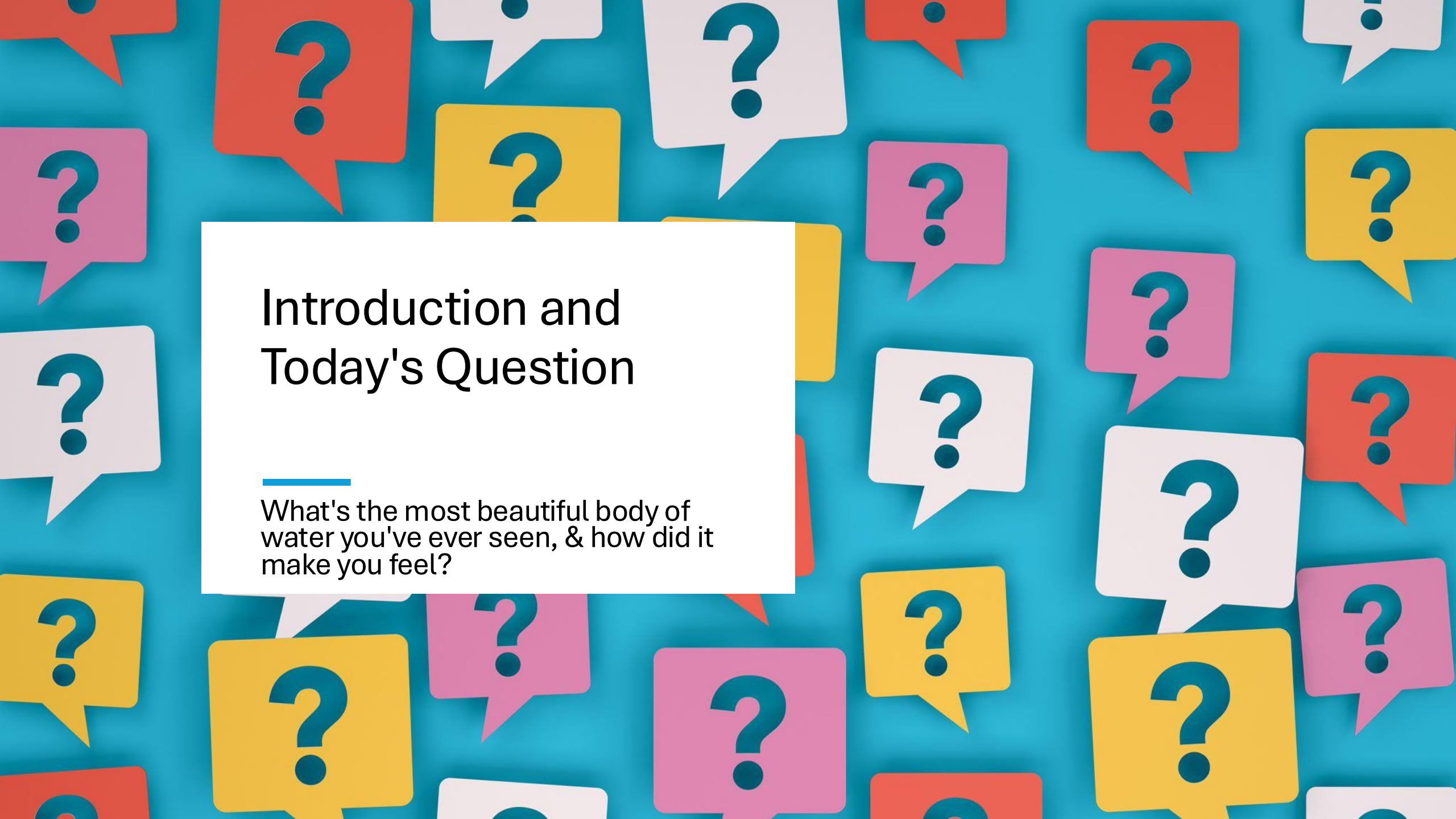
Land Acknowledgement

- The board of directors of Lake Washington PTSA Council acknowledges that the school district in which our council and our member PTA and PTSA units operate is on the Indigenous Land of the Coast Salish Peoples, who have reserved treaty rights on this land, including the Duwamish (dx^wdəwʔabš) and the Snoqualmie Indian Tribe (sduk^walbix^w). We thank these caretakers of this land who have lived here since time immemorial. We continue to commit to providing the best possible support for all children of native descent who attend our schools—as part of our ongoing PTA mission to advocate for the health, well-being and education of every child.

Agenda

- Introductions
- Quiz
- Sustainability Ambassadors
- Action Items
- Educator Resources
- Educational Tour
- Grant Opportunities
- Next Session



The background is a vibrant blue with a repeating pattern of colorful speech bubbles. Each bubble is a different color (red, yellow, pink, white) and contains a large, dark blue question mark. The bubbles are scattered across the entire page, creating a sense of inquiry and curiosity.

Introduction and Today's Question

What's the most beautiful body of water you've ever seen, & how did it make you feel?

Why we conserve water and prevent pollution ...



or



King County

Department of
Natural Resources and Parks
Solid Waste Division

Fact or Fiction?

The average American
uses 40 to 60 gallons of
water per day.



King County

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Natural Resources and Parks
Solid Waste Division

Fact or Fiction?

The average American
uses 40 to 60 gallons of
water per day.



FICTION



King County

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Natural Resources and Parks
Solid Waste Division

Fact or Fiction?

The average American
uses 80 to 100 gallons of
water per day.



Fact or Fiction?

An automatic dishwasher uses about 20 gallons of water, whereas hand washing dishes uses between 4 and 6 gallons of water.



Fact or Fiction?

An automatic dishwasher uses about 20 gallons of water, whereas hand washing dishes uses between 4 and 6 gallons of water.



Fact or Fiction?

An automatic dishwasher uses 4 to 6 gallons of water, whereas hand washing dishes can use up to 20 gallons of water.



Fact or Fiction?

Washing your car at a commercial car wash, picking up pet waste, and putting litter in its place are all ways you can prevent water pollution.



Fact or Fiction?

Washing your car at a commercial car wash, picking up pet waste, and putting litter in its place are all ways you can prevent water pollution.



FACT



SUSTAINABILITY AMBASSADORS

Peter Donaldson (*he/him*)

Sustainability Ambassadors, Director of Learning

peter@sustainabilityambassadors.org | 206-227-9597

WEBSITE: <https://www.sustainabilityambassadors.org/>

INSTAGRAM: [@ambassadors2050](https://www.instagram.com/ambassadors2050)

Water Conservation

Criteria for Recognition

- Conduct WWT
- Promote your school and/or district water conservation goals
- Complete at least one water conservation activity or student project
- Share how you are educating students and staff about water conservation efforts with your Green Schools rep
- Share at least one success with your Green Schools rep

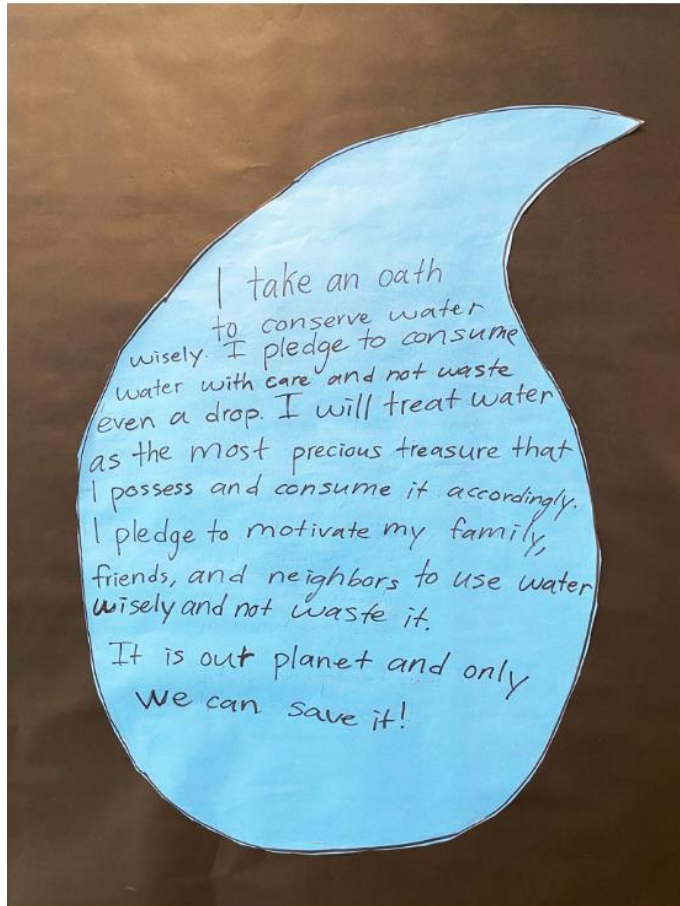


King County

Department of
Natural Resources and Parks
Solid Waste Division

Action Items

Student Pledge



Students at Ella Baker Elementary School took a pledge to reduce their water usage.



Pledge to Conserve Water and Reduce Water Pollution

Conserving water and preventing water pollution saves natural resources and keeps our water clean. Did you know that conserving water also helps to curb climate change? It takes energy to pump, heat and treat the water we use, so the less water we use, the fewer greenhouse gas emissions we produce.

Commit to at least **three** activities and return this signed pledge to your teacher or Green Team advisor.

I pledge to conserve water and prevent water pollution in my school and at home. I will:

- Turn off faucets or other water sources when not in use, and use water sparingly or wisely for classroom projects and assignments.
- Tell a custodian, teacher, or other staff if I see a leaky faucet, a running toilet, or standing water that should not be there.
- Join or start a school "water patrol" - a group of students who spot check school areas to identify leaky faucets, running toilets, etc. and then inform custodians so they can be fixed.
- Share with my family or community a few ways to conserve water at home, such as turning off the faucet when brushing teeth or soaping hands, taking shorter showers, and running the dishwasher or clothes washer only with full loads.
- Teach a friend why it is important to conserve water and share tips on how to conserve water.
- Bring a reusable water bottle from home instead of using a single-use plastic bottle. *This conserves the water from another watershed in the world and also reduces use of plastic bottles.*
- Plant a rain garden or a tree at school or at home to help prevent water pollution.
- Find out where my school or home water comes from and where it ends up after it goes down the drain - and share that information with my class or my family.
- To protect water quality, pick up pet waste and place it in the trash.

Student name _____ Date _____

Morning Announcements

Monday

_____ School (*insert name of school*) conserves water! Conserving water means using water when we need it and not using it when we don't.

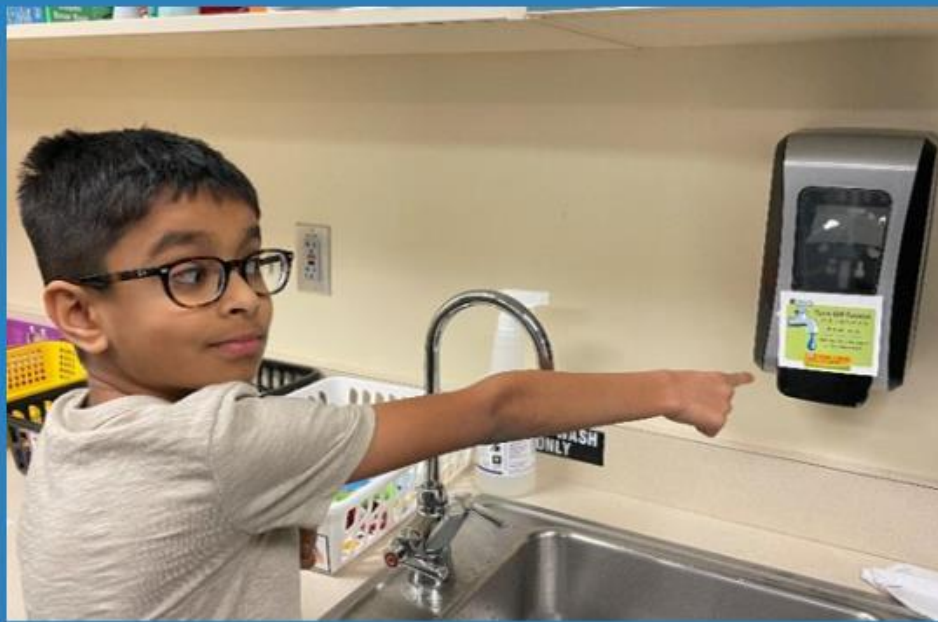
Did you know the average American uses between 80 to 100 gallons of water each day? People in other countries use less water. For example, on average the Germans and French use only 55 to 60 gallons daily.

Paying attention to the water we use saves money and protects our environment.

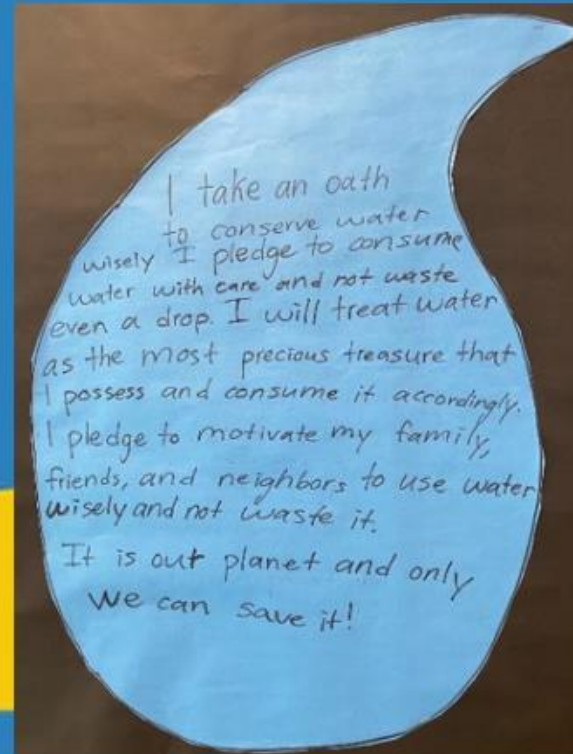
- Look for new signs near sinks in your classroom and in bathrooms reminding you to turn off the water when not in use.
- Turning off the faucet while soaping up your hands will save 20 cups of water in one minute.

Thank you for being water smart and for conserving our water!

Students at Audubon ES put up signs and measured flow rates of sinks.



Students at Ella Baker ES took a water pledge and educated students with a bulletin board.



Visual Reminders



Turn Off Faucet
when soaping hands.
Report Leaks.
*Save our precious water
and reduce costs!*

 **Green Schools Program**
Reduce • Reuse • Recycle • Rethink



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Conserving Water and Preventing Pollution

Perform a faucet flow audit to identify areas in the school where water can be conserved.





Educational Materials for Teachers



Water Education for Students



Activities for Younger Kids

-
- Grassroot level initiative.
 - Individual, families, community groups.
 - Advantages:
 - Prevent stormwater pooling in streets.
 - Reduce localized flooding.
 - Reduce water pollution.



Conserving Water and Preventing Pollution



Carry out a “Puget Sound Starts Here” campaign.

Education

Water Education for Kirkland Elementary Schools

Programs Offered

The Surface Water Division of Kirkland Public Works offers several fun and exciting programs in local schools to help students explore the fascinating world of water. All programs are tailored to our region and are offered free of charge (sponsored by the City of Kirkland).

Each program is taught by an experienced educator from Nature Vision, a non-profit environmental education organization. These programs support the Washington State K-12 Learning Standards and STEM Education.

Public schools, private schools and youth organizations within the Kirkland Surface Water service area are eligible to participate. Choose from the many exciting options!




Water Cycles (Grades 4-5)
Students will learn the stages of the water cycle and play the role of a water drop as it travels through the cycle. Discussion will include the function of watersheds, our local water supply, and how to protect water.

Salmon Cycle (Grades K-5)
Discover the connection between Pacific salmon, people, and the water we share. The salmon life cycle and what this keystone species requires from its ecosystem is discussed. Students will explore water quality issues and understand why healthy salmon habitat is good for Northwest ecosystems, and people, too.

Watershed Ecosystems (Grades K-5)
We all live in a watershed, and it is up to us to keep the water that flows through it clean and plentiful. This program introduces students to their own local watershed and to the plants and animals that share this important ecosystem. Students will also learn how a healthy environment cleans water naturally, and gain insight into the impact of humans on this system. Positive human actions on the combined natural-and human built environments are discussed.

Wetland Filters (Grades 2-5)
Wetlands are like the kidneys of the earth, filtering water as it circulates through the water cycle. Students will learn how wetlands perform this important function through hands-on activities.





Our educational programs:


- Include interactive, hands-on, and inquiry-based activities
- Help students make personal connections to environmental issues
- Support Washington State K-12 Learning Standards and STEM education, allowing for easy integration into schools

Watershed Education Programs


Our programs support the Washington State K-12 Learning Standards and STEM education.

Bring Environmental Education into the classroom with **hands-on** activities and **exciting** curriculum that supports many learning styles.


Programs sponsored by



Union Hill Water Association



Watershed Dynamics - Enviroscope (Grades 2-9):
Students will interact with a tabletop model of a typical community to learn how their everyday choices affect the water quality in our watershed. Alternative choices to prevent watershed contamination are discussed.



Salmon Cycle (Grades K-9):
Discover the connection between Pacific salmon, people, and the water we share. The salmon life cycle and what this keystone species requires from its ecosystem is discussed. Students will explore water quality issues and understand why healthy salmon habitat is good for Northwest ecosystems and people, too!

Healthy Water, Healthy Soil (Grades K-3):
Dig in to healthy soil and discover the living creatures that benefit the soil and plants all around us. Touch and feel the non-living parts of soil, and explore how healthy soil helps water conservation efforts.

Healthy Water, Healthy Soil (Grades 4-5):
Dig in to healthy soil and discover the living network of decomposers that benefit the ecosystems around us. Explore how healthy water lessens the need to irrigate and therefore helps conserve water, an important shared resource.

Field Trip

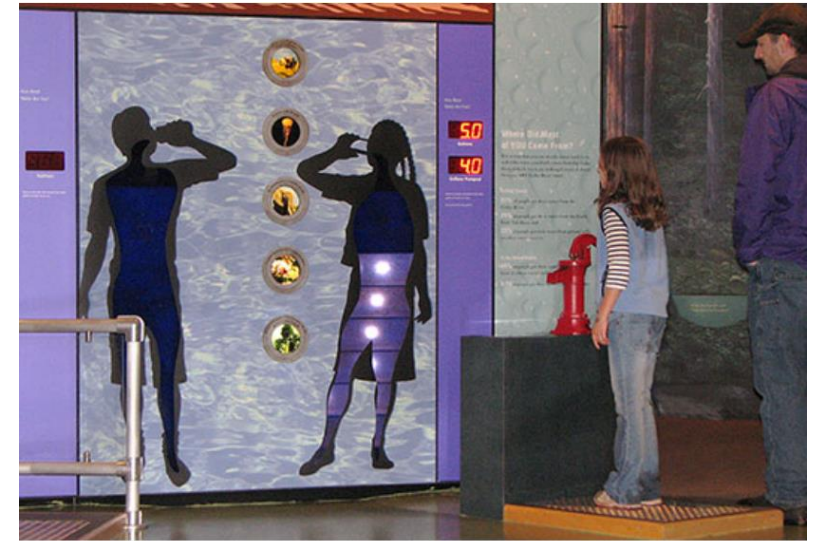
Cedar River Watershed Education Center



Find your drop of water in the clouds and choose where it will precipitate.

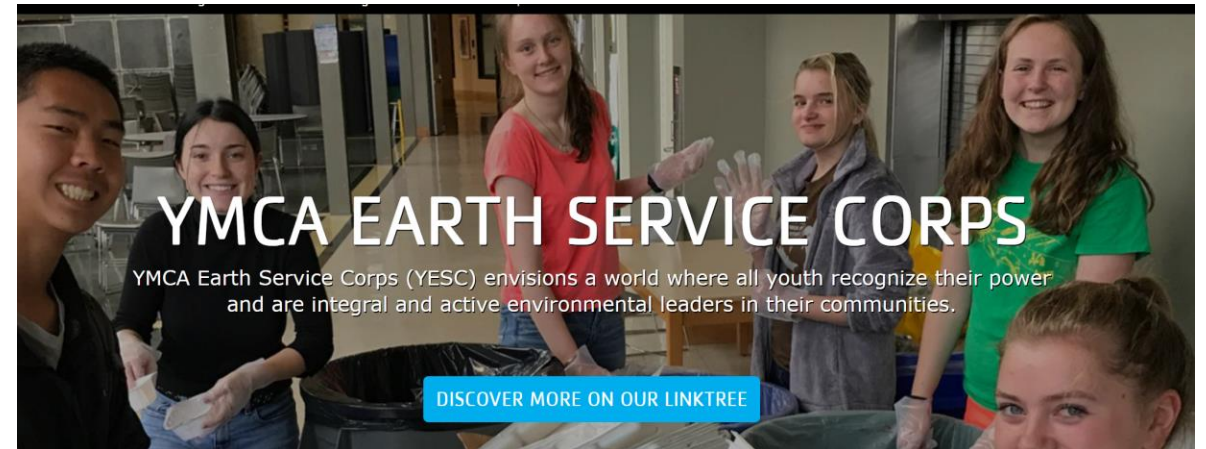


You can find your drop in the rivers, snow, ground water, or animals. Follow your water drop throughout the exhibit hall.



How many gallons of water are in you? Step on a scale and find out. Can you pump that much water?

Volunteer Opportunities



Success Story



Share your stories

Help the District know about
the work you are doing



Provide feedback!

The District will soon be
sharing a draft version of our
Plan and Roadmap. Your
feedback will be crucial



Reach out

I am always excited to connect,
hear your ideas, and provide
resources

Hannah Ljunggren

Associate Director of Sustainability and
Resource Conservation

hljunggren@lwsd.org

425-936-1482

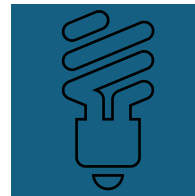
Upcoming Dates



Nominations for
2026 LWPTSA Council
Awards - Jan 12th



World Water Day - March
22



Earth Hour – March 28



Earth Day – April 22

Next Session

- Sannamish Room
- Feb 3rd (10 am- 11:30)
- Agenda: Earth Day Week
- Whatsapp Group
- Social

Scan QR Code

