



# Environmental Workshops and Learning Resources for Bellevue Schools

Virtual and select in-person workshops are offered for grades K-12. Virtual workshops are provided via Microsoft Teams. Email [workshops@triangleassociates.com](mailto:workshops@triangleassociates.com) to schedule the following workshops.

## Elementary School Virtual Assembly – Resource Conservation

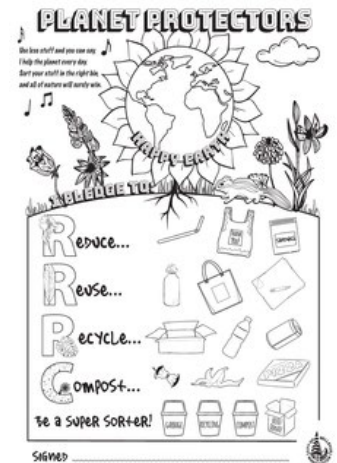
### Virtual - Curiosity Quest: Virtual Primary elementary school theatrical assembly (Grades K-2, 30 minutes)

This unique virtual live-hosted video assembly brings theatrical conservation messages right to your classroom. The virtual **Curiosity Quest Assembly** combines arts enrichment, interactive fun, and waste reduction and recycling topics in a remote workshop-like setting. During the 30-minute program, via Microsoft Teams, we will introduce the show, share an interactive theatrical recording, and host Q&A with students at the end. This fun-filled program for your students invites interaction and body movement, encourages curiosity and teaches about everyday conservation choices.

## Elementary School Workshops – Resource Conservation

### In-Person- Planet Protector Adventures! Theatrical Storytelling (Grades K-1, 30 minutes)

Mother Nature has a problem, and she needs your students' help! She's noticed that humans are using a lot of stuff and making too much garbage. Through storytelling discussion, fun visuals and movement, Mother Nature invites your students to join her as planet protectors. They discover that a solution lies in the 3 Rs- Reduce, Reuse, Recycle (and the super C- Compost), and explore ways to share the solution with friends and family.



### Virtual and In-Person- Dive into the Great Pacific Garbage Patch (Grades 2-5, 45-60 minutes)

A presenter helps your students explore the Great Pacific Garbage Patch and learn about impacts of disposable plastics. Through visuals that convey the importance of healthy ocean ecosystems, students learn how their simple everyday actions can save natural resources and contribute to a healthy planet.

### Virtual- Garbology and the Science of Decomposition (Grades 4-5, 45-60 minutes)

A presenter will join your class via Microsoft Teams to help students discover the simple science of decomposition and what happens to the things that we throw away. Students become "garbologists" as they learn about how our local landfill works and why practicing the 4Rs is important for a healthy planet.

### **Virtual and In-Person- Healthy Habitat (Grades 2-3, 45-60 minutes)**

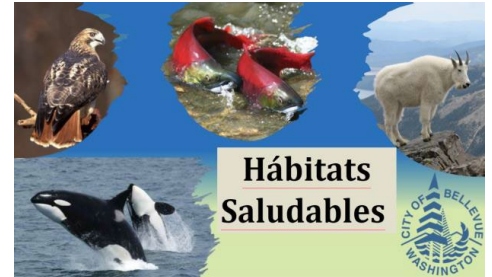
A presenter will join your class to explore the basic components of habitat – food, water, shelter, and space – through discussion and visuals that introduce them to native Northwest animals and their habitat needs. Students will make the connection between their everyday actions, the 4Rs, and a healthy habitat.

### **Virtual and In-Person- Habitat Stewardship (Grades 4-5, 45-60 minutes)**

This advanced habitat workshop introduces the concept of stewardship, providing a deeper look at the necessary components of habitat and our role in keeping it healthy. Students examine their impacts on the environment as they learn about several native Northwest animals and their habitats.

### **Virtual- Habitat Saludables – Spanish language only (Grades 4-5, 45-60 minutes)**

This Spanish language workshop has been created specifically for 4<sup>th</sup> – 5<sup>th</sup> grade dual-language or immersion classrooms. Taught entirely in Spanish, this workshop helps students understand the connection between habitat and the four Rs and “Super C” (rethink, reduce, reuse, recycle and compost). A live presenter will lead your students through discussion and activities to learn how their everyday actions can protect habitats.



### **Virtual and In-Person- Hazards on the Homefront: Household Hazardous Products and Safer Choices(Grades 3-5, 45-60 minutes)**

Students learn how to identify hazards in common household products, ways to keep themselves and their families safer, and engage in science and sustainability through live interactive presentations, supplemental activity sheets and Kahoot online interactive quiz. Teachers may combine the activity sheets, presentation, and the Kahoot for an in-depth exploration of safer choices to household hazardous products. A video of the information is also available for students and classes that need more time with the information or that miss the live presentation.

## **Middle and High School Workshops – Resource Conservation**

### **In-Person- Water Systems Workshop (Grade 5, 50 minutes)**

Using the study of systems as a lens, students investigate the links between their personal choices and the health of the Puget Sound. Through hands-on inquiry-based activities, students examine how their everyday actions affect the hydrosphere, including Bellevue’s drinking water, wastewater, surface water and storm water systems. Students work in small groups to determine their own water use footprint, with an emphasis on positive choices they can make to protect our water systems.



### **Virtual and In-Person- Climate Change, Powerful Choices (Grade 6, 60 minutes)**

How do students’ shopping habits contribute to climate change? How do the choices they make everyday impact ecosystems, extreme weather events and infrastructure in the City of Bellevue and beyond? How do the effects of climate change impact marginalized populations differently than others? During this interactive workshop, students review basic climate science, with an emphasis on how human activities are contributing to climate change. Utilizing a virtual polling feature, students have the chance to estimate their personal carbon footprints, followed by a discussion on positive choices students can make to minimize their greenhouse gas emissions.

### **Virtual and In-Person- Ecosystems, Powerful Choices (Grade 7 and advanced Grade 6 upon request, 60minutes)**

Students are presented with small model ecosystems called Ecospheres to understand ecosystem dynamics and natural cycles. After gaining an understanding of how matter and energy move within ecosystems, students learn about how the City of Bellevue manages its municipal solid waste, and they explore how garbage impacts our local ecosystems. Utilizing a virtual polling feature, students estimate the size of their personal “garbage footprint” and identify positive choices they can make to conserve natural resources and produce less waste. The workshop ends with a Kahoot! Quiz game where students review the information they’ve learned and affirm the positive choices they’ve selected.



### **Virtual and In-Person- Hazards on the Homefront: Household Hazardous Products and Safer Choices Workshop (Grades 6-8 and 9-12, 45-60 minutes)**

Students interact with a live presenter to learn how to identify hazards in common household products and ways to keep themselves and their families safer. Students engage in science and sustainability through the live interactive presentation, supplemental activity sheet and Kahoot quiz, and Hazardous Products Case Study discussions.

After the presentation middle and high school classes may also opt to explore the Hazardous Products Case Studies activity, highlighting real life situations involving common hazardous products. This activity features a case study packet for teachers and students, as well as discussion questions which can be used for in class follow up on this topic.



## **K-12 Virtual Workshops - Water Conservation and Watershed Ecosystems**

### **Water Conservation and Watershed Ecosystems – Cascade Water Alliance (Grades K-5, 6-8 and 9-12, 50-60 minutes)**

Cascade Water Alliance offers a variety of age-appropriate virtual classroom presentations on water conservation and watershed ecosystems to Bellevue elementary, middle, and high schools. Each remote learning program includes a pre-recorded video introduction, slide show with background concepts, detailed instructions for teachers to lead two interactive activities related to the program, and an optional live question and answer session with educators after the program has been delivered. Additional science curriculum packets for students on Ecosystems, Watersheds, and Humans & Water, are also available for download including a teacher overview and daily student science lessons. Presentation descriptions and curriculum for can be found at [www.naturevision.org/cascade-water-alliance](http://www.naturevision.org/cascade-water-alliance).



# Additional K-12 Virtual Learning Resources

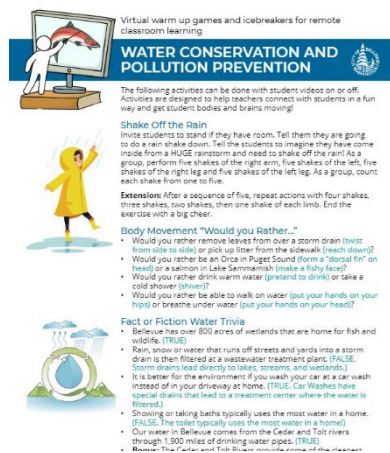
## Student Team Presentations and Project Assistance

**BLUE TEAMS:** Focusing on storm water and pollution prevention, educators are available to help with tailored project planning, or to teach a virtual workshop at your class or student team meeting focused on your watershed and pollution prevention. Email [info@naturevision.org](mailto:info@naturevision.org) to schedule a presentation or receive assistance for your student team.

**GREEN GENIUS TEAMS:** Focusing on environmental sustainability, educators are available to help with tailored project planning or to teach a virtual workshop at your student team meeting on a variety of conservation topics including how to recycle right, reduce wasted food or single-use plastics, and more. Email [swilder@wilderenvironmental.com](mailto:swilder@wilderenvironmental.com) to schedule a presentation or receive assistance for your student team.

## Warm-up Games and Icebreakers for Remote Learning

Are you looking for a fun and fast way to engage students at the start of online classes? The City of Bellevue created a variety of quick games such as a one-minute home scavenger hunt, environmental knock knock jokes, Fact vs. Fiction trivia, and more. All activities can be done with student videos on or off and could be adapted for in-person use as desired. Email [recycle@bellevuewa.gov](mailto:recycle@bellevuewa.gov) to receive a list of game ideas.



Virtual warm up games and icebreakers for remote classroom learning

### WATER CONSERVATION AND POLLUTION PREVENTION

The following activities can be done with student videos on or off. Activities are designed to help teachers connect with students in a fun way and get student bodies and brains moving!

**Shake Off the Rain**  
Invite students to stand if they have room. Tell them they are going to do a rain shake down. Tell the students to imagine they have come inside from a HUGE rainstorm and need to shake off the rain! As a group, perform five shakes of the right arm, five shakes of the left, five shakes of the right leg and five shakes of the left leg. As a group, count each shake from one to five.

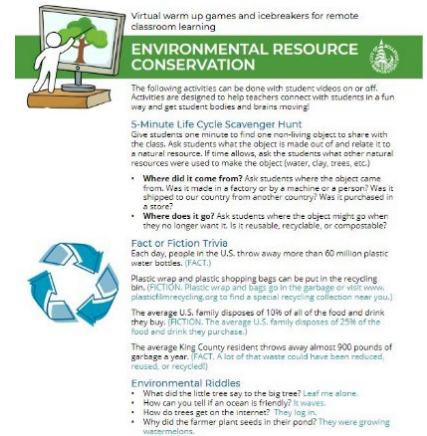
**Extension:** After a sequence of five, repeat actions with four shakes, three shakes, two shakes, then one shake of each limb. End the exercise with a big cheer.

**Body Movement "Would you Rather..."**

- Would you rather remove leaves from over a storm drain (visit from side to side) or pick up litter from the sidewalks (reach down)?
- Would you rather be an Orca in Puget Sound (form a "dorsal fin" on head) or a salmon in Lake Sammamish (make a fishy face)?
- Would you rather drink warm water (pretend to drink) or take a cold shower (shiver)?
- Would you rather be able to walk on water (put your hands on your hips) or breathe under water (put your hands on your head)?

**Fact or Fiction Water Trivia**

- Bellevue has over 800 acres of wetlands that are home for fish and wildlife. (TRUE)
- Rain, snow or water that runs off streets and yards into a storm drain is then filtered at a wastewater treatment plant. (FALSE)
- Storm drains lead directly to lakes, streams, and wetlands. (FALSE)
- It is better for the environment if you wash your car at a car wash instead of in your driveway at home. (TRUE)
- Car Washes have special drains that lead to a treatment center where the water is filtered. (FALSE)
- Showering or taking baths typically uses the most water in a home. (FALSE)
- The toilet typically uses the most water in a home. (FALSE)
- Our water in Bellevue comes from the Cedar and Tallix rivers through 1,500 miles of drinking water pipes. (TRUE)
- Beaver the actor and Tobey Shaver made some of the planet's



Virtual warm up games and icebreakers for remote classroom learning

### ENVIRONMENTAL RESOURCE CONSERVATION

The following activities can be done with student videos on or off. Activities are designed to help teachers connect with students in a fun way and get student bodies and brains moving!

**5-Minute Life Cycle Scavenger Hunt**  
Give students one minute to find one non-living object to share with the class. Ask students what the object is made out of and relate it to a natural resource. If time allows, ask the students what other natural resources were used to make the object (water, clay, trees, etc.)

- **Where did it come from?** Ask students where the object came from. Was it made in a factory or by a machine or a person? Was it shipped to our country from another country? Was it purchased in a store?
- **Where does it go?** Ask students where the object might go when they no longer want it. Is it reusable, recyclable, or compostable?

**Fact or Fiction Trivia**  
Each day, people in the U.S. throw away more than 60 million plastic water bottles. (FACT)

Plastic wrap and plastic shopping bags can be put in the recycling bin. (FALSE)

Plastic cups and bags go in the garbage or, visit [www.plasticrecycling.org](http://www.plasticrecycling.org) to find a special recycling center near you.

The average U.S. family disposes of 10% of all of the food and drink they buy. (TRUE)

The average U.S. family disposes of 20% of the food and drink they purchase.

The average King County resident throws away almost 900 pounds of garbage a year. (FACT)

A lot of that waste could have been reduced, reused, or recycled.

**Environmental Riddles**


- What did the little tree say to the big tree? Leaf me alone.
- How can you tell if an ocean is friendly? It waves.
- How do trees get on the internet? They log in.
- Why did the farmer plant seeds in his pond? They were growing watermelons.

## Youth Summer Camp Workshops

### In-Person- Watersheds, Waste and Protecting our Oceans (Summer campers ages 6-8, 60 minutes- Two 25-minute sessions)

This two-part workshop introduces campers to the importance of our local watersheds, impacts of our waste, and how we play a role in keeping our planet healthy. The first session focuses on water as campers create a physical model of a watershed and learn that storms can sweep trash into storm drains that lead to the ocean. During the second session, focusing on waste, campers learn about the impact of trash in the ocean, and how correct sorting and litter reduction can help. Through movement and games campers become part of the solution to ocean pollution.



 For alternate formats, interpreters, or reasonable accommodation requests please phone at least 48 hours in advance 425-452-6932 (voice) or email [recycle@bellevuewa.gov](mailto:recycle@bellevuewa.gov). For complaints regarding accommodations, contact City of Bellevue ADA/Title VI Administrator at 425-452-6168 (voice) or email [ADATitleVI@bellevuewa.gov](mailto:ADATitleVI@bellevuewa.gov). If you are deaf or hard of hearing dial 711. All meetings are wheelchair accessible.