



Nature VISION

Free Education
Programs

Programs support the Next Generation Science Standards and WA State Standards to help students and teachers meet learning goals.

Available Programs Include:

- 💧 **Salmon Cycle (Grades K-12)** 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!
- 💧 **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.
- 💧 **Watershed Dynamics (Grades 3-12)** 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.
- 💧 **Watch the Flow, Above and Below (Grades 4-12)** People need to use water wisely as it cycles through our human-built environment. Students will learn the basic infrastructure of how water flows from nature through our cities and towns and back again, and the impact of human behavior on this water system.
- 💧 **Water Supply (Grades 4-5)** Do you know where your drinking water comes from? Discover the path clean water takes from its local natural source to your faucet! Students will explore the human and natural factors that affect our water supply, and what actions they can take to keep this important natural resource pristine as our population grows.



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- 💧 **Aquatic Insects Field Experience (Grades K-12)** Students visit a local accessible water site (pond, lake, or stream) to examine and identify aquatic insect species that are indicators of water quality. Older students may also participate in water quality tests for oxygen, pH, temperature and more. This program focuses on the importance of biodiversity within ecosystems and protecting watershed health.
 - 💧 **Watershed Field Experience (Grades K-12)** Students will visit a local lake, wetland, or pond near their school and explore it with a naturalist. Students will observe plants and animals in this environment, examine and identify local freshwater invertebrates, and will learn about the health of our greater watershed systems. Older students may also participate in water quality tests for oxygen, pH, temperature and more.
 - 💧 **Healthy Water, Healthy Soil (Grades K-5)** Dig in to healthy soil and discover the living network of decomposers that benefit the soil and plants all around us. Touch and feel the non-living parts of soil, and explore how healthy water keeps our Northwest soils healthy and understand how humans can impact soil through our interactions with water.
 - 💧 **Healthy Water, Healthy Soil (Grades 6-8)** Through this hands-on lesson, students will gain an understanding of soil function and physical properties. Students will test soil texture, structure, and infiltration. Students will connect soil composition with the impact of our daily water choices on the natural environment. *
 - 💧 **Healthy Water, Healthy Ecosystems (Grades 9-12)** Experiment with soils from different watershed ecosystems in Washington, and develop an understanding of what each ecosystem needs to be healthy and sustainable. Conduct an analysis of plant needs and create a restoration plan that matches an appropriate soil within an ecosystem. Determine how soil pollution creates disruptions within these ecosystems *

**Please note Healthy Water, Healthy Soil and Healthy Water, Healthy Ecosystems are 2 part programs for grades 6-12. Please allow for two 50 minute sessions or one block period for the program*

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- 💧 **Watershed Ecosystems (Grades K-8)** 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 on the impact of humans on this system. Positive human actions on the combined natural-and human built environments are discussed.

ELIGIBILITY:

Programs are available for K-12 students in schools with 50% or greater free and reduced lunch students, in areas of the Green River/Duwamish Watershed served by the King County Wastewater Treatment Division.

HOW TO REGISTER:

Visit <http://www.naturevision.org/program-registration/>. Register online or print out the registration form and fax it in per the instructions. If you have any questions about these programs please do not hesitate to email Nature Vision at info@naturevision.org, or call (425) 836-2697.

SCHEDULING CONSIDERATIONS:

We are available to visit your school between 7:30 AM and 3:45 PM. Please allow one hour for each elementary program, 45-50 minutes for each secondary program. Feel free to schedule programs back to back (10:00, 11:00, 12:00), but if possible please leave 10 -15 minutes in between. Pre-registration is required.

Nature Vision is an award-winning environmental education non-profit organization serving over 65,000 students in our region annually. We foster appreciation and stewardship of our environment by educating and connecting community to the world around us.



King County

Department of
Natural Resources and Parks
Wastewater Treatment Division

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