

SLOUGH SCHOOL

2020 - 2021

LESSONS FOR ALL LEARNERS

DISTANCE LEARNING
EDITION

Let's make it happen!

Contact Education Director
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WATERSHEDS

Where does rain go after it hits the ground? What happens if there's pollution on the land? View a model to see!

RIPARIAN ZONES

What lives in the **LAND** by the **WATER**? What do plants have to do with that? We will look at cuttings of native and invasive plants and practice identification.

EROSION

The movement of soil! What is soil made of anyway? We will do observation of soil samples and see the difference **PLANT ROOTS** make in protecting soil from washing away.

WATER CHEMISTRY

We'll show how to test water to find out its temperature, pH, dissolved oxygen, and turbidity, then practice collecting data. We can do lots of these over time! Water data!

HABITATS

What does an animal need to survive? A place with food, water, shelter, air, and space. We will find out what animals find habitats here in the watershed.

ANIMAL ADAPTATIONS

Something an animal **HAS** or **DOES** that helps it survive. We will look through examples, observe pelts and skulls, and play **SLOUGH BINGO**.

MACROINVERTEBRATES

Animals with no spine that are big enough to see with your eye! What is an insect? Are they all macros? Are all macros insects? We'll practice drawing specimens and identification.



FLOODING

What happens when there is too much water in one place in a short amount of time? What is risk? What can we do to reduce the risk? View a **MEGA** floodplain model.

Funded by Multnomah Co Drainage District

VANPORT

In 1948, Oregon's second largest city washed away in 45 minutes. Who lived there? Where did they go? Together we'll draw and see pictures and video from the story of Vanport.

Funded by Multnomah Co Drainage District

GROUNDWATER

We can find drinking water underground! We dig wells to pump it out! Look at a model to see how aquifers work with layers of sand, gravel, and clay.

Funded by Portland Water Bureau

VIDEO FIELD TRIPS

There's so many places in the Columbia Slough Watershed we can learn about!

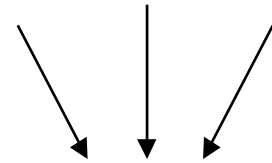
Kelley Point Park
Columbia Children's Arboretum
Historic Vanport
Whitaker Ponds
Cully Park
Johnson Lake
Nadaka Nature Park
Parkrose Boat Launch
Wilkes Creek Headwaters
Water Bureau Groundwater Pump Station
Gresham's Wastewater + Stormwater Treatment Facilities
Fairview Creek
Salish Ponds
Fairview Creek Headwaters at Southwest Park

Want to learn about a place and its relationship to the Slough?

Just ask!

SLOUGH SCHOOL IS FREE!

These lessons are made possible by the Gray Family Foundation, Metro Nature in Neighborhoods, East Multnomah Soil & Water Conservation District, City of Gresham, and partnerships with Portland Parks & Bureau of Environmental Services.



Reynolds • Parkrose • PPS • Gresham-Barlow

Slough School is here to support teachers and students in whatever way works best for you! Want regular live video guest teaching? Special project-based learning? Want to make a video together? Science concepts in practice in our watershed!

columbiaslough.org/slough-school-online
youtube.com/columbiaslough