

Online Water and Environmental Education Resources

These fun and educational resources are available free of charge to school teachers, parents, and volunteer 4-H leaders during this "stay at home time." Nature and natural resources exploration can be done safely without physical contact with others. Nature is everywhere from the spider visiting your home to your porch or backyard. Nature lends itself especially well to science education, mathematics, art, reading, and writing (poetry and journaling). Most activities require simple materials available at home.

Oregon State University Extension: The Oregon State University Extension Service engages the people of Oregon with research-based knowledge and education that strengthen communities and economies, sustain natural resources, and promote healthy families and individuals.

💧 **OSU Extension Outdoor School Program Educational Resources:**

<https://outdoorschool.oregonstate.edu/educators/educational-resources-for-stay-home-save-lives/>

Outdoor school immerses 5th and 6th grade students in Oregon's natural landscapes. Students develop new perspectives on the natural world, learn about themselves and their relationships with others, and engage directly with the ecosystems they are learning about in their classrooms. This transformative experience cannot be replicated at home or school, but students whose outdoor school experiences are cancelled due to COVID-19 can still meet some goals of outdoor school while following government recommended social distancing protocols. On this webpage, parents, guardians, and teachers can find links to resources to support learning experiences while schools are out of session.

💧 **Energy Education Curriculum:** <https://oregonstate.box.com/s/qoe9mifxn9oors6b0whgfm8r8y0a11b9>

Renewable energy education lessons for science in school and after school.

Fight The Bite: Join author/educator Rick Reynolds for STEAM (science, technology, engineering, arts, & math) activities and readings of *Beware of Mosquitula!* and *Mosquitula and the Great Gambusi*. Get free copies of the books from Clackamas County Vector Control and explore the fascinating life cycle of mosquitoes with live larvae, etc.

- Online videoconference from anywhere! engageeverystudent.com/b/ric-6pd-9fx
- Thursday, April 23: 2:00 – 3:00 pm

All ages will have fun with science and reading these humorous science books that teaches how to avoid the mistakes of the zany zombies and FIGHT THE BITES! Serious diseases such as West Nile virus have spread into Oregon, and our kids and communities need to stay safe.

Learn more at fightthebites.com/education and get FREE resources for grades preK-12, such as:

- Life cycle kits which include live specimens, magnifying devices, pipettes, and more
- Engaging curriculum designed to meet the Next Generation Science Standards + Common Core standards

Rick Reynolds, M.S.Ed., is also happy to lead free workshops for educators and homeschool groups. Ask us about free tote bags, calendars, magnets, and stickers, too! For More Information Contact Rick Reynolds: (503) 380-4140 or rick@engageeverystudent.com. More Resources at www.FighttheBites.com.

Clackamas River Water Providers (CRWP): CRWP is a coalition of municipal water providers that get drinking water from the Clackamas River.

💧 **Teacher resource page:** <https://www.clackamasproviders.org/teacher-resources/>

- ◆ **Interactive Clackamas River watershed map:** <https://www.clackamasproviders.org/interactive-watershed-map/>
- ◆ **“How Our Water Systems Work” booklet:** <https://www.clackamasproviders.org/wp-content/uploads/2015/09/ValueBook15FFF-1.pdf>
- ◆ **CRWP list of Videos (most have direct links):** <https://www.clackamasproviders.org/wp-content/uploads/2019/04/CRWP-DVD-and-Video-Resources.doc>
- ◆ **Story Teller Will Hornyak’s Clackamas River conservation stories:**
 - [Introduction](#)
 - [Part 1: Grizzly Bear and frog](#)
 - [Part 2: The Walking Steelhead](#)
 - [Part 4: Medio Polillo](#)
 - [Part 5: Tex the Mighty Water Molecule](#)
 - [Part 6: The Itsy Bitsy Spider](#)
 - [Part 7: Watershed Rap](#)

Regional Water Providers Consortium: Formed in 1997, the Consortium serves the Multnomah, Clackamas, and Washington counties and is made up of 23 water providers. Together, these entities provide most of the Portland metropolitan area’s drinking water.

- ◆ **Water Conservation Home Page:** <https://www.regionalh2o.org/content/conservation-program K-2>
Search for activities on this site
- ◆ **“Water and You” activity book:** https://www.regionalh2o.org/sites/default/files/uploads/water_and_you_2017-3.pdf
- ◆ **“What Do You Know About H2O”? Activity Book:**
<https://www.regionalh2o.org/sites/default/files/whatdoyouknow2.pdf>

Clackamas Soil and Water Conservation District: The District is a unit of local government with an elected board of directors that provides service to landowners, organizations, agencies and local communities within Clackamas County.

- ◆ **Discover Ecoregions:** <https://conservationdistrict.org/discover/discover-ecoregions>
- ◆ **Discover natural Resources:** <https://conservationdistrict.org/discover/discover-natural-resources>

Resource Links provided by Clackamas County Water Environment Services: Clackamas Water Environment Services produces clean water and protects water quality for more than 190,000 people living and working in Clackamas County.

- ◆ **The National Environmental Education Foundation (NEEF):** <https://www.neefusa.org/education/environmental-education-home>

This site includes an Environmental Education at Home page with activities relevant to water quality, pollinators and more

◆ **Scholastic Learn At Home:** <https://classroommagazines.scholastic.com/support/learnathome.html?caching>
There are science activities and stories within the lessons (one on butterflies, why zebras have stripes, etc.), but not one web page just for science or the environment.

◆ **Green Schoolyards America:** <http://www.greenschoolyards.org/news/2020/3/20/bringing-schoolyard-outdoor-learning-home>

This site has activities you can do in your own backyard or neighborhood

National Wildlife Federation (NWF): For more than 80 years, the National Wildlife Federation has been uniting Americans to ensure wildlife thrive.

◆ **The Ranger Rick website:** <https://rangerrick.org/>

Free to the public for the next couple of months (previously there was a subscription requirement to access certain content). There's a variety of activities/crafts, videos, free digital magazines, educator's guides, etc. that parents and/or teachers may find useful.

◆ **Earth Day 50 – Climate Change Professional Development:**

https://docs.google.com/forms/d/e/1FAIpQLSeA3MieerQlq7RYyNEVAJOAbwFxFkcpT1FTt3k7QCd-RS6_w/viewform

NWF, Project WILD, and Project WET are hosting an online (self-paced) course available now through June.

◆ **NWF blog stories with ideas and links:**

- [De-Stress While Helping Wildlife](#)
- [Helping Families](#)

◆ **Eco-School USA:** <https://www.nwf.org/eco-schools-usa>

The nation's largest comprehensive green school program

◆ **Garden for Wildlife:** <https://www.nwf.org/garden-for-wildlife>

Create a sustainable garden that helps wildlife

Other resources:

◆ **SOLVE:** <https://www.solveoregon.org/diy>: SOLVE, in partnership with Portland General Electric, encourages Oregonians to stay engaged in their work of improving the environment, even during this time of crisis. [Click here](#) to learn how to celebrate from your own backyard or community. Your individual efforts add up to create a global impact.

◆ **Environmental Protection Agency (EPA), Watersense for Kids:** <https://www.epa.gov/watersense/watersense-kids>
(this page includes resources for educators)

◆ **Discover Water. The Role Water In Our Lives:** <https://www.discoverwater.org/>

◆ **USGS Water Science for Schools:** <ga.water.usgs.gov/edu>

◆ **Teaching Kids About Water Conservation:** www.partselect.ca

💧 **Mad Science:**

https://portland.madscience.org/?gclid=Cj0KCQjwsYb0BRCOARIsAHbLPhHvIOJxCSvocAdsFqv3mXh6_16tv1CbdxM1FBHVtnIzIPHF3oXilasaAqYbEALw_wcB

Our **Virtual Science Fair** is the perfect way for young scientists to celebrate their achievements, while practicing social distancing. Open for grades K - 6. Prizes available for young scientists and for the schools and classrooms they represent. All entries must be submitted by May 1st with an accompanying video of the presentation. Winners will be announced May 29th. [Register Here](#)

💧 **PBS Learning Media:** <https://opb.pbslearningmedia.org/>

💧 **Kids and Family:** <https://www.opb.org/kidsfamily/>

💧 **National Aeronautics and Space Administration (NASA):** <https://www.nasa.gov/stem>

Explore NASA STEM, activities and fun things to do at home:

💧 **NEPRIS:** <https://www.nepris.com/home/v4>

Nepris came out of a real need we heard from educators, industry leaders, professionals and community partners alike, to reduce the barriers between industry and education. Our core mission: Making industry engagement part of the everyday classroom by empowering teachers to engage students in STEAM!

💧 **Environmental Education Association of Oregon (EEAO):**

<https://docs.google.com/document/d/1bkrb-TBpgn3U8FSxno-HwluRnc0HI8iALNJKsXbwBh8/edit>

Our mission is to cultivate environmental literacy and engagement among diverse community leaders. With the vision that Oregon communities are compassionately working together to create equitable connections to and expressions of the local and global environments.