



2018-19 Youth ENVIRONMENTAL EDUCATION Program (YEPP)

All lessons are available for K-5.
Activities vary depending on grade.

- In-class presentations (\$25 each)
- Outdoor school presentations (\$25 each)
- After-school programs (\$25/hour)
- Local Discovery Hikes (\$4/student for Title I schools; \$6/student for all other schools)

Registration Begins
August 30, 2018, 8 a.m.

Thanks in part to the Salem Foundation Donna E. Aldrich Trust, environmental education in-school presentations are available to Salem/Keizer elementary schools for \$25 per class.

IN THE FOREST

Black Bears

Learn all about Oregon's own bruin. Discover where they live, what they eat, and how they raise their young. Did you know a black bear can smell seven times better than a blood hound? Conduct an investigation to uncover how well you can smell.

Wolves

Wolves are a symbol of freedom, wilderness, and the American west. Become part of the pack while you investigate the life of a gray wolf. Meet Oregon's wolf families to learn about their social relationships and communication.

Big Cats

Did you know Oregon is home to big cats? Compare and contrast Oregon's big cat populations. Find out where each cat lives, what it eats, and how it uses its physical attributes for survival. Become a tracking expert by learning to identify wildlife by its footprints.

IN THE OCEAN

Gray Whales

These gentle giants are often seen along the Oregon coast. Twice a year, thousands of gray whales swim along our coastline on their amazing journey from Alaska to Mexico and back. Discover how big these giant mammals really are. Learn about their special teeth and how they breathe.

Orcas

Over the past century, these top predators have mistakenly been given the name "Killer Whales." Uncover the truth behind these misunderstood marine mammals. Discover how intelligent orcas really are by investigating the social structures and communication within their pods.

IN THE GARDEN

Slugs and Worms! UGH!

Let's face it, decomposers are gross! Still, they have a very important job to do! Learn what creepy crawlies make up an underground food web by exploring soil samples. Discover why slugs are slimy and how worms lay their eggs. You may end up admiring these lowly creatures!

How Does Your Garden Grow? (2-part Lesson)

Dissect seeds to unearth how a little seed can change into a fully developed plant (part 1, in the classroom). Spring planting; bring your withering school garden back to life by planting spring crops (part 2, in the garden). Students will plant their very own strawberry seed to take home. **Also available as a 1-part lesson.*

Monarch Butterflies

Learn all about these majestic insects; from their world-renowned migration to their important environmental role as pollinators. Unearth a deeper understanding of a Monarch's metamorphosis to help preserve this sensitive species.

IN THE SKY

All About Owls

Owls are one of our most fascinating bird residents. Learn about their specialized adaptations, and find out about their nocturnal habits and how they hunt completely silently.

Bats

Many people think bats are spooky, but actually, they are extremely remarkable! There are fifteen species throughout Oregon with very unique survival abilities. Learn how bats give birth and how they communicate using echolocation. Conduct an investigation to see exactly how bats use sound waves to hunt.

Awesome Ospreys

This awesome bird of prey is top of the food chain in a wetland habitat. Learn about the special hunting tools of ospreys. Learn to identify an osprey and discover the differences between ospreys and bald eagles.

Raptors

Raptors have always captured the attention of onlookers! With their amazing hunting capabilities, they can create quite an air show. Oregon is home to many birds of prey. Investigate the uniqueness and parallels between eagles, hawks, and falcons to uncover how each raptor is specifically designed for hunting and flight. Did you know that the peregrine falcon is described as the fastest animal on the planet? Discover the specialized adaptations that earns it this champion title, and how they have been helping people for over 4,000 years.

IN THE POND

Beavers

Beavers are North America's largest rodent and have always been an important part of Oregon. Find out how the beaver became Oregon's state animal. Discover where it lives, what it eats, and how it stays waterproof in a wet environment. Unearth the benefits these little construction workers provide for a wetland habitat.

Frogs

Learn about these fascinating amphibians and their wetland habitat. Discover how they breathe, drink, eat, and protect themselves. Identify the five main stages of a frog's life cycle while discovering the changes they go through during metamorphosis. Find out how invaders are threatening our native frog populations.

Turtles

Find out how these prehistoric cold-blooded creatures have adapted through history to survive in our modern world, and still carry traits of their closest relatives: dinosaurs. Investigate Oregon's two native turtle species to reveal which one has a baby the size of a quarter.

DISCOVERY HIKES

For Discovery Hikes involving more than one class, we provide the option of scheduling an additional educator-led activity by City of Salem staff while your YEEP educator is exploring the trails with students for no additional cost. A list of self-guided nature activities is also available upon request.

Discovery Hike Fees

\$4/Student for Title I Schools
\$6/Student for All Other Schools

Neighborhood Parks

Turn your neighborhood park into a discovery classroom. Is there a neighborhood park by your school waiting to be explored? Meet your YEEP educator at your local park and begin your science adventure!

Orchard Heights Park

A field trip to Orchard Heights Park in West Salem provides an opportunity to learn about neighborhood birds. Students look for robins, jays, and other songbirds in their native habitats. Learn to identify one of Oregon's most common trees; the Oregon oak. Investigate the animals that consider the Oregon oak a valuable natural resource.

Minto-Brown Island Park

A field trip to Minto-Brown Island Park would be a great culmination to Awesome Ospreys or Beavers. After the classroom session, students will observe ospreys in their native habitat. Beavers are little animal architects. Learn how busy beavers create important habitats for fish and other wildlife at Minto-Brown.

Willamette Mission State Park

Discover Salem's history at Willamette Mission State Park. Learn about Salem's first settlement while

observing wildlife like osprey, blue heron, and bald eagles in their natural habitat. Investigate the park through the eyes of an ecologist. Students will uncover how all living things are connected.



OUTDOOR SCHOOL

In need of an extra teacher for outdoor school? Take an educator and your classroom outdoors! Your YEEP educator will meet you at outdoor school, ready to teach. Use one of YEEP's topics or a hand-tailored lesson of your choice.

NO CHILD LEFT INSIDE

Don't let your budget be a barrier for an outdoor learning experience; grant opportunities are available.

- City of Salem Watershed Protection and Preservation Grant (www.cityofsalem.net/apply-for-watershed-protection-and-preservation-grant)
- Marion Soil and Water Conservation District Clear Grants (http://www.marionswcd.net/?page_id=104)

How To Register

1. Teachers may register for two classroom presentations (with a third as an option if there is room) and one Discovery Hike for the 2018-19 school year. To ensure presentation quality, class sizes are limited to one classroom per presentation. Classroom presentations are one hour in length. Discovery Hikes are about one and one half hours per group.
2. In order to maximize classroom presentations, please group your presentations together. Consult with other teachers and plan on having presentations back-to-back at your school. Coordinating schedules allows staff to provide 4-5 presentations per day.
3. All requests will be considered on a first-come, first-served basis, and only registrations sent via email will be accepted. To register, email yeep@cityofsalem.net and provide the following:
 - Name of main contact and school
 - Name of the presentation
 - Day of the week you prefer, month, and the approximate dates that work best
 - Time preference (specify a.m. or p.m.)
 - Indicate how many classrooms need to be scheduled
 - School start and end times
 - Lunch time
 - All pullouts

Example: Marla Kirk, Mary Eyre Elementary
- Awesome Ospreys, May 22-26, between 9-11 a.m., two classrooms
- Turtles, September 19-23, afternoons are best, six classes
- Lunch 11-11:30
- Start at 8:30 am, end at 2:30 pm

4. After your request has been processed, you will receive confirmation via email along with a copy of the supply list.

Thank you for your interest in YEEP and have a wonderful school year!

CITY OF SALEM POLICY

It is the City of Salem's policy to assure that no person shall be discriminated against on the grounds of race, religion, color, sex, marital status, familial status, national origin, age, mental or physical disability, sexual orientation, gender identity, and source of income, as provided by *Salem Revised Code Chapter 97*. The City of Salem also fully complies with Title VI of the *Civil Rights Act of 1964*, and *Americans with Disabilities Act of 1990*, and related statutes and regulations, in all programs and activities. Special accommodations are available, upon request, for persons with disabilities or those needing sign language interpretations, or languages other than English. To request accommodations or services, please call 503-588-6211 at least three business days in advance.

CITY OF *Salem*
AT YOUR SERVICE

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