

# Natural Resource Educator Kits

OSU Extension Service, Benton County 4-H

To reserve a kit please call **541-713-5000**

Available to the general public for check out (2 weeks unless otherwise arranged) see website for more kit details.

<https://extension.oregonstate.edu/4h/benton/outdoor-education-classrooms>

## Animal Adaptation Kit

Explore local wildlife and their adaptations. Includes: 7 local wildlife pelts (coyote, skunk, red fox, mink, raccoon, muskrat, beaver) and matching skulls, resources for ID, curriculum, and learning games.

## Bird Kit & youth binoculars

Learn about the birds around us. Field guides, bird “Who am I” cards, resources, and curriculum. Set of 10 youth binoculars and guide to learning to use them.

## Birds Beak Activity Kit

Study bird adaptations with this activity centered on bird beaks and the food they eat. Kit includes supplies for students to mimic different beak adaptations (pincher, nutcracker, strainer, and sipper) and the food birds eat.

## Earth Science/Geology Kit

Curriculum and materials for hands-on exploration of rocks, minerals, landforms and how they are created.

## Ecology Field Card Sets & Matching Habitat Activity Kits

Field card sets contain 52 laminated cards representing common species found in local habitat types in the Willamette Valley covering: plants, mammals, fungi, amphibians, reptiles, birds, and insects. Activity kits contain 4 field learning activities and materials enough for classroom exploration.

- **Douglas-fir Forest Kit**
- **Oak Woodland Kit**
- **Riparian Bottomland Forest Kit**
- **Upland Prairie Kit**
- **Wetland & Wet Prairie Kit**

## Field Journal Kit

Investigate the world around you with this two-part activity with educational materials, curriculum and a classroom set of 24 canvas pencil bags. Each bag contains a pencil, 12 pack of Crayola colored pencils, pencil sharpener, 6” ruler and a hand magnifier.



### Food Miles/Build a Local Lunch Kit

Look at the sustainability of our food systems through activities, using maps and looking at your food's carbon footprint.

### Forestry Tree Cookie Kit

Tree exploration for the younger student. Learn all about trees with an assortment of tree rounds, a Tree Cookie Users Guide with activities and the *Trees are Terrific* book.



### Forestry & Tree ID Kit

Explore Oregon trees and forests for the older student. Includes 6 Trees to Know in Oregon books, 14 laminated dichotomous keys 9 tree characteristic cards, tree data collection forms, books, Project Learning Tree (PLT) activities and a HS curriculum "Inquiry at Hinkle Creek."

### Habitat Mapping and Site Preparation Kit

Do you have a schoolyard wildlife or native plant project in your plans? All you need to measure, map, and test your soil. Includes 6 measuring tapes, compasses, soil thermometers, pH paper, stakes, drawing supplies, materials and guide books.

### Herptile Kit

Learn about our local amphibians and reptiles. Includes ID guide books, thermometers and data sheets for field investigation, curriculum, and hands-on activities to learn about herptiles.

### Home Energy/Sustainability Kit

Lessons, materials, and checklists to look at and evaluate the sustainability of home use of energy, water, and transportation.

### Insect Kit

Lots of resources to help you teach about insects. 4-H Entomology curriculum, Key to Terrestrial Insects, insect models, field guides, insect "Who am I" cards, and reproducible worksheets.



### Literature/Outdoor Science Connection – Classroom book sets (24 books)

Connecting science, geography, and literature. These Oregon based stories support your classroom ecosystem studies and the use of field science journals. Intended for 4<sup>th</sup>-5<sup>th</sup> grade readers.

- **Ellie's Log; Exploring the Forest Where the Great Tree Fell** – takes place in the Cascade forests
- **Ricky's Atlas; Mapping a Land on Fire** – takes place in the dry eastside area around John Day
- **Ellie's Strand; Exploring the Edge of the Pacific** - discoveries at the edge of the world's largest ocean. Including the power of volunteering and challenges of ocean conservation.
- **Ricky in the City; Where the Wildlife Live** – takes place in Portland, includes urban wildlife and contributing to community science.

### Macroinvertebrates Investigation Kit

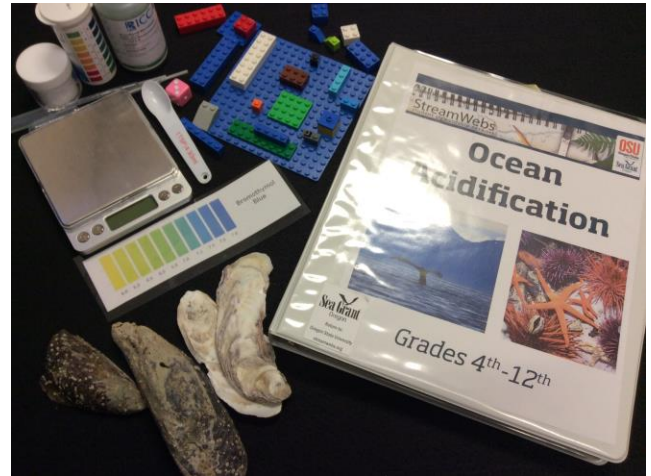
Learn all about the macroinvertebrates of the Pacific Northwest! This kit provides the tools to find macroinvertebrates and field guides and ID tools to learn more about them.

### Marine Science Kit

Explore marine science with the Intertidal Animal Scramble and a tide pool diversity simulation activity. Includes supporting materials.

### Native Plant Kit

Look at the diverse world of Oregon plants with grade 4 - 12 students. Includes 4 plant presses, numerous guidebooks, resource guides and flashcards. Plus 2 comprehensive curricula: *Salmonberry to Sagebrush*, *Exploring Oregon's Native Plants and Invasives*, *Plants on the Move*.



### Ocean Acidification Kit

For grade 4 -12 students. Explore climate change and through studying ocean acidification. Hands-on experiments, and games to learn about the things that can affect the Ocean's balance and change its pH.

### Private Eye Kit

Science magnified! Explore the miniature world of a snake skin, feather, or your own findings through a jeweler's loupe. The kit contains 36 loupes, supporting curriculum guide, worksheets, and a few natural objects to get you started.

### Riparian Kit

Learn all about the Riparian habitat and the creatures that live in it with this kit. Survey and collect data on a riparian habitat transect. Includes guides on birds, animal tracks, trees and other flora, and insects, as well as all the tools required for collecting data.

### Water Quality Kit

Learn how to test water quality. Take water samples, collect data on temperature, dissolved oxygen, pH, and turbidity. Includes all tools required for testing water, safety procedures, and eye goggles.



### Water Cycle Game

Large floor dice are used in this game to travel through the water cycle, pick-up color-coded beads and then in the end use the beads to help tell the story of your travels.

### Wetland Wonders Kit

Investigate the life in local ponds or streams. Sample the waters with small nets, sort your creatures in ice cube trays, and use guides and keys to ID the macroinvertebrates that you find. Test the pH and temperature, learn about the importance of wetland ecosystems. Includes: several water related curricula, posters, and books.



### **Wildlife Tracks & Signs Kit**

Learn about elusive local wildlife by reading animal tracks and looking for signs. Includes track guidebooks, keys to learning gait patterns, and a book on scat! If you can't find tracks – create your own with life size native wildlife track stamps! Even learn how to make plaster track casts (plaster not included).



## **Kits to support Oregon Season Tracker Classrooms Program**

### **Investigate Greenhouse Gases/Surface Albedo Kit**

Lessons and materials to investigate temperature as it relates to surface albedo and land cover, and greenhouse boxes. Includes clamp on heat lamps and digital thermometers.

### **Oregon Season Tracker Classroom Plant Phenology Kit**

Learning activities, identification cards and data collection sheets to support your Oregon Season Tracker classroom observations.

### **Oregon Season Tracker Classroom Rain Gauge Measurement Kit**

Teach your students how to accurately measure precipitation with lessons and activities. Includes Super Soakers and rain gauges for fun outdoor relay.

