



## Virtual/Hybrid ODS 2021

**Program Theme:** Communities use science ideas to protect Earth’s resources and environment.

**Program Structure:** 18 hrs total programming

Lessons and Activities	Type of Instruction	Time Allotted	Description
Introduction	Virtual Synchronous	1 hr	Students will meet the instructors, learn about ODS’s traditions, structure and expectations, wear and decorate their name tags, participate in a land acknowledgement and learn an ODS song.
Field Study	Virtual Synchronous	4.5 hrs (three 90min lessons)	Rogue ODS instructors will lead three virtual Field Studies which will be taught with a focus on scientific practices, cross-cutting concepts and community building. <ul style="list-style-type: none"> <li>● “Patterns in Plants”: Nature Journaling and Dichotomous Keys</li> <li>● “Trophic Levels”: Owl Pellet Dissection</li> <li>● “Where Are We? When Are We? How Do We Know?”: Geology of Southern Oregon</li> </ul>
Field Study	Virtual and Hands-on Asynchronous	5 hrs	Two independent field study activities are included in the student notebook for each field study. These activities are supported by the digital resources on our website and hands-on materials sent to students. <ul style="list-style-type: none"> <li>● Interactive Map Scavenger Hunt</li> <li>● Dichotomous Keys</li> <li>● Food Webs</li> <li>● Interview an Organism</li> <li>● Geology of the Rogue River</li> <li>● Serpentine Soils</li> </ul>
Recreation	Virtual and Hands-on Asynchronous	1.5 hrs	Students will have the choice of completing one or more recreational activities described in the student notebook.
Field Experience	In Person	5 hrs	An in person field experience at the school site or local park will highlight the skills taught in the virtual lessons and focus on our 4th field study, which may include activities about Fire Adaptations, Tribal History and Macroinvertebrates.
Closing	Virtual Synchronous and Asynchronous	1 hr	To complete this unique year of ODS students are invited to participate in some of the most memorable ODS traditions: Final Campfire and Tree Planting. Students are encouraged to sing along, wear their wood cookies and plant their wildflower seeds somewhere that is special to them- maybe somewhere at school!

- **Customization** for your school is possible, so please contact us with specific questions or requests.

**Hands-On Materials-** Schools will receive student ODS kits to distribute for each individual student. Kits include all the materials students will need to participate in all lessons and activities.

- Student Notebook
- Wood cookie name tag and beads
- Colored Pencils
- Magnifying lens
- Plant specimens
- Owl pellets and dissection tools
- Play dough
- Friendship bracelet string
- Wildflower seeds
- Pencil
- Glue stick

**Digital Resources-** In addition to hands-on materials, digital resources are provided on the Rogue ODS website under the “Virtual ODS” tab. Students will navigate themselves through an interactive map of Camp Latgawa as they complete independent activities and videos that correspond to each field study lesson, recreation, campfire songs and other fun ODS traditions.

**Field Experience-** In person instruction will be provided if allowed by state and district guidelines as a one day field experience. If the field experience is off the school site normal chaperone ratios of 1:8 are required. Field trip locations will be determined based on local guidelines and coordination with teachers and Rogue ODS staff. If we are unable to hold an in person field trip an additional 1.5hr synchronous field study lesson will be provided.

**Cabin Contest-** As a special project students may choose to participate in our “Design Your Ultimate Cabin Contest”. Living in a cabin is an important and memorable part of a typical ODS experience. Students who choose to participate can utilize the materials envelope and supplies to design and build their most creative, utilitarian, or simply amazing camp cabin. Photos of the cabin designs can be submitted to [rogue.enviro.ed@gmail.com](mailto:rogue.enviro.ed@gmail.com) by June 4, 2021. Full contest instructions can be found in the student notebook and on our website. Winners will receive a prize and recognition!

**Evaluation and Assessment:** As part of Rogue ODS we provide student, teacher and parent program evaluations. We appreciate your support in helping to encourage students and parents to complete their surveys as it helps us to reflect and plan for future ODS. We also encourage teachers to ask students to turn in their Student Notebooks as a form of assessment and to encourage student participation in all aspects of the program. Rogue ODS can provide additional incentives (program sticker/ additional bead for their name tag) to students who complete and turn in their notebooks at the end of their ODS session.