TREE SCHOOL LANE is a one-day mini-college for family forestland owners, foresters, landowners/managers, loggers, arborists, teachers, wildlife enthusiasts, and those interested in our region’s natural resources.

Expand your knowledge and leave with a renewed enthusiasm for your land.

Thank you from our sponsors:
Association of Consulting Foresters
Lane County Small Woodland Association
Oregon Forest Resources Institute
Oregon Tree Farm System

Early Registration Deadline: March 14
Late Registration Deadline: March 29
NO WALK-IN REGISTRATION!  Don’t miss it!
Tree School Lane is April 4, 2020!

Tree School is in Lane County and will be held Saturday, April 4, 2020, at the Pleasant Hill High School just southeast of Eugene. This mini-college features 29 classes on a wide variety of topics of interest to family forestland owners, professional foresters, loggers, arborists, teachers, and citizens of Lane County.

The day-long event offers classroom sessions taught by Extension foresters, professional foresters, and other natural resource management professionals. Classes are 1.5 hours long and you can participate in up to four over the course of the day.

We have broadened our class selections this year to include basic forestry topics for traditional woodland owners as well as those interested in pollinators and forest mushrooms. There's something for everyone. Snacks and a great lunch are included in your registration to keep your energy level high!

Please complete your registration by March 29 (no walk-ins allowed), so act now to reserve your spot in this fun and informative forestry program. The registration fee is just $60 per person. This year, late registration will be available from March 15 through March 29, however the fee will go up to $80 after March 14. Bring the family so you can take advantage of as many class offerings as possible. Feel free to share this catalog with your friends, neighbors, and any others you think might benefit from the program. Additional copies can be requested from our office or downloaded from our website.

Reserve your seat today and register online! Visit: https://beav.es/TreeSchoolLane to register and request additional class catalogs.

See you at Tree School Lane!

Lauren Grand
OSU Extension Forester, Lane County

If you have a physical disability or food allergy that requires special considerations in order for you to attend this event, please notify the office at 541-344-5859 no later than 2 weeks prior to the event date (March 20, 2020).
**CLASS SCHEDULE**

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<th>BLOCK A</th>
<th>8:50-10:20 am</th>
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<tr>
<td>1A</td>
<td>Reforestation Basics</td>
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<tr>
<td>2A</td>
<td>Forests as Habitat for Wildlife: How All Ages of Forests Provide Habitat for Wildlife</td>
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<tr>
<td>3A</td>
<td>Ponderosa Pine in the Willamette Valley—Why, Where and How To Manage This Subspecies</td>
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<td>4A</td>
<td>Fire Ecology of Lane County and Fuels Reduction Recommendations</td>
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<td>5A</td>
<td>Forest Income Taxes</td>
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<tr>
<td>6A</td>
<td>Safe and Effective Chainsaw Use</td>
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<tr>
<td>7A</td>
<td>Land Stewardship and Woodland Management</td>
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</tbody>
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**REGISTRATION: 8:50 am**
Pick up class packets in the Student Center

**BREAK: 10:20-10:40 am**
Student Center

**LUNCH: 12:10-1:40 pm**
Student Center
Sawmill demonstration in the instructor parking lot.

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<tr>
<th>BLOCK B</th>
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<tbody>
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<td>1B</td>
<td>Trees on the Move: Migration of Tree Species in Response to Climate Change</td>
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<td>2B</td>
<td>Protecting Wild and Managed Bees in Oregon</td>
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<td>Red Alder Management: Silviculture to Marketing</td>
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<td>Measuring Your Trees: Basic Forest Inventory</td>
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<th>BLOCK C</th>
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<tr>
<td>1C</td>
<td>Alternative Forest Management Methods</td>
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<tr>
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**BREAK: 3:10-3:30 pm**
Student Center

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<td>Know Your Forest &amp; Potential Markets: Tips for Successful Harvest</td>
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**1A Reforestation Basics**
8:50-10:20am

This class will provide the background you need to know to be successful in reforesting your property. The class will cover reforestation methods, ordering seedlings, planting, vegetation control and much more.

*Stephen Fitzgerald, Silviculture & Fire Specialist, Oregon State University*

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**2A Forests as Habitat for Wildlife: How All Ages of Forests Provide Habitat for Wildlife**
8:50-10:20am

This class will teach landowners the importance of forests as habitat for wildlife. All ages of forestland provide habitat for different wildlife species. This class will explore the different ages of forests and how these forests differ from each other. We’ll learn which wildlife species are found at different ages of a forest. Participants will learn how various management actions can benefit the wildlife that are found across the landscape.

*Fran Cafferata Coe, Certified Wildlife Biologist, Cafferata Consulting and Julie Woodward, Senior Manager of Forestry Education, Oregon Forest Resources Institute*

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**EARLY REGISTRATION DEADLINE MARCH 14TH**
**PRICE INCREASES MARCH 15 - 29**
3A Ponderosa Pine in the Willamette Valley—Why, Where and How to Manage this Subspecies
8:50-10:20am

The Willamette Valley strain of Ponderosa Pine is uniquely adapted to some of the more challenging soil and site conditions around the Valley. The Willamette Valley Ponderosa Pine Conservation Association was founded in 1994 to protect and reintroduce a subspecies that appeared to be threatened in the Valley. This class will provide an overview of the Association’s efforts and discuss current issues for Valley Pine. Highlights of lessons learned will be featured along with guidance on why, where, and how to manage this subspecies of Ponderosa Pine.

Joe Holmberg, Mike Barsotti, Jim Merzenich, Willamette Valley Ponderosa Pine Conservation Association

4A Fire Ecology of Lane County and Fuels Reduction Recommendations
8:50-10:20am

When are conditions right for accidental starts and large fire growth? What influences fire behavior? Are suppression and fire adapted landscapes mutually exclusive? In this presentation you will learn the science behind fire danger levels, how fire is a natural part of our landscape, why large fires are becoming more frequent, and what you can do as landowners and resource managers to mimic fire disturbance while reducing the potential of accidental fire ignitions.

Alex Rahmlow, Fire Planning Coordinator, Oregon Department of Forestry

5A Forest Income Taxes
8:50-10:20am

If you had a timber sale in 2019 or are planning one for 2020, you will have taxes to pay at both the state and federal level. This session will explain the types of timber sales from a tax standpoint and discuss how they are treated for federal income taxes. This session will also include a discussion of your responsibilities related to harvest and severance taxes.

Tamara Cushing, Starker Chair of Private and Family Forestry, Oregon State University

6A Safe and Effective Chainsaw Use: Timber Felling, Limbing, Bucking, Sharpening and All of the Peripheral Skills to Make it a Productive Pleasure
8:50-10:20am

Please take this class if you have lots of hours on a chainsaw, or not. We will go through pretty much everything you may want or need to know, with lots of examples and visual cues. This is an indoor class where we won’t be starting the saws, so it can be fun for the whole family. The instructor wishes he could have taken this class 40 years ago to save all those years of searching the world for these important skills you’ll learn in one class.

V. Mark Havel, Proprietor, Havel Designs/Future Forestry Products Inc.

7A Land Stewardship and Woodland Management
8:50-10:20am

Are you interested in learning more about being a steward for your land and/or backyard woodland? Thinking about purchasing property that has woodland acreage, and need some direction on how to manage that property? This class will provide you with an overview of planning for your property. Topics covered include: planning, assessing, and setting goals for your land; exploring common tree species on your property as well as common pests; principles of trees and forests, both deciduous and coniferous; potential issues you may encounter such as regulations and planning issues; and ways to get recognition for your stewardship. Of course you will be provided with plenty of resources to assist you with your goals and visions.

Dan Stark, Assistant Professor (Practice), Forestry and Natural Resources Extension, Oregon State University

1B Trees on the Move: Migration of Tree Species in Response to Climate Change
10:40am-12:10pm

Choosing the right species for the right climate is fundamental to the success of foresters and horticulturists. But what if the climate changes? Will natural and planted forests still be well adapted to the places they’re growing now? Can species migrate fast enough to keep pace with climate change? Should we help by using assisted migration? Learn where tree species are growing today, and where they’re expected to do well in the future—they’re not necessarily the same. Learn how you can make wise tree planting decisions—even with climate change.

Glenn Howe, Associate Professor and Director of the Pacific Northwest Tree Improvement Research Cooperative, Oregon State University

2B Protecting Wild and Managed Bees in Oregon
10:40am-12:10pm

Oregon is home to over 500 species of bees, which are responsible for pollinating many of our staple crops and native plants in rural and urban landscapes. The Oregon Bee Project (OBP) is a new collaborative effort tasked with improving the health of these insects and the habitats that support them. In this class we’ll talk about how Oregon is tackling pollinator health through censusing our wild bees, improving bee habitat, preventing pesticide exposure and researching the threats to wild and managed bees. We’ll also discuss what you can do to get involved with OBP as a citizen scientist and guidelines on enhancing pollinator habitat on your forest stand.

Christine Buhl, Entomologist, Oregon Department of Forestry
3B Red Alder Management: Silviculture to Marketing
10:40am-12:10pm
Is there potential for red alder management as a viable option on your land? What do you need to know about red alder management? Find the answers based on recent results of research and operations. This class will cover the latest information on key steps in alder management including stand establishment, tree spacing, pruning, harvesting, and marketing. We will discuss the potential values and benefits from alder in your forest and tools for evaluating your options.

Glenn Ahrens, Forestry and Natural Resources Extension Agent, Oregon State University Extension Service

4B Common Forest Insect Pests
10:40am-12:10pm
The class will cover the common insects that can be “pests”. These include bark beetles, wood borers, defoliators, aphids/adelgids, and other tip, branch, and bark insects. We will discuss both conifer and hardwoods, with emphasis on commercial species. Invasive insects will also be discussed.

David Shaw, Forest Health Extension Specialist and Professor, Oregon State University

5B Protecting Yourself through Proper Contracts and the Right Service Provider
10:40am-12:10pm
Do you need to reduce fire risk on your property? Have some trees removed? Who do you hire? What questions should you ask? What should be in a contract? Hiring the right person to get work done on your land is one of the most important decisions you can make. A poorly done job can damage your soil and trees for years into the future! This class will provide tips for clearly articulating what you want done on your property, plus steps for finding and hiring someone.

Tamara Cushing, Starker Chair of Private and Family Forestry, Oregon State University

6B Your Trees, Your Lumber, Your House
10:40am-12:10pm
Take this class if you have any interest in the above. We will talk about sawmilling, grading, and all the important things involved in treating your wood just right to make it possible to create the home you dream of. Lots of work, lots of fun, lots to know.

V. Mark Havel, Proprietor, Havel Designs/Future Forestry Products Inc.

7B Measuring Your Trees: Basic Forest Inventory
10:40am-12:10pm
A forest inventory, or a collection of tree measurements that represent a forest stand, is a crucial component of a management plan and future management activities. Determining your forest’s resources, and assessing your forest’s needs, is an excellent guide for determining goals and objectives. This class will walk you through the basic principles of taking an inventory of your forest. You will learn how to identify individual forest stands, establish an inventory plot, and measure individual trees.

Jacob Putney, Extension Forester, Oregon State University

1C Alternative Forest Management Methods
1:40-3:10pm
There are a number of ways to manage your forest. This includes even-aged, two-aged, and multi-aged management methods. This class will discuss the full range of methods used in Oregon’s forests. How you decide to manage your forest will ultimately depend on your objectives, forest productivity, forest types and species composition on your property, and age(s) of individual stands.

Stephen Fitzgerald, Silviculture & Fire Specialist, Oregon State University

2C Fish Habitat and Riparian Management
1:40-3:10pm
This class covers the principles of salmonid biology (including life cycles, ecological needs at various life stages, etc.) and introduces the audience to freshwater habitat components that are key to the survival of native species of freshwater fish, with particular emphasis on salmonids and lamprey. The roles of riparian vegetation on fish habitat creation are explored and management options for riparian forests are discussed.

Guillermo Giannico, Associate Professor and Extension Fisheries Specialist, Oregon Sea Grant and Department of Fisheries and Wildlife, Oregon State University

3C Native Shrub Identification
1:40-3:10pm
Do you know how to tell the difference between huckleberries, salmonberries, blackberries, and thimbleberries? Are you wondering what shrubs grow beneath a forest canopy? This workshop will give you all the tricks of the trade to successfully identify native Oregon shrubs - even the look-a-likes! We will also discuss habitats, range, and characteristics.

Alicia Christiansen, Douglas County Extension Forestry Agent, Oregon State University Extension

4C Common Forest Pathogens Causing Tree Diseases
1:40-3:10pm
This class will cover the common pathogens that cause diseases of forest trees. These include root rot, stem rot, cankers and tip blights, foliage diseases, and mistletoe. We will discuss both conifer and hardwoods, with emphasis on commercial species. Invasive pathogens will also be discussed.

David Shaw, Forest Health Extension Specialist and Professor, Oregon State University
5C Business Practices for Forest Landowners
1:40-3:10pm
There are lots of important decisions you make as a forest landowner. This class will focus on decisions from a business standpoint. We will talk about different organization forms, record-keeping, and your overall tax obligations.
Tamara Cushing, Starker Chair of Private and Family Forestry, Oregon State University

6C Inside Trees: How Wood Works in a Living Tree
1:40-3:10pm
As woodworkers and construction workers know, dead wood is an amazing material. But as tree growers, gardeners, and hikers know, the wood in live trees somehow has to get water up to the leaves and keep the tree upright. How does wood accomplish all this? How do trees get upright after they’re knocked over? Why does stem form differ with tree spacing? What are the wood’s roles in drought resistance, and what goes wrong when the drought gets too severe? The class will give more understanding of the roles of wood in live trees and how those roles affect wood properties.
Barb Lachenbruch, Professor Emeritus of Forest Tree Physiology, Oregon State University

7C An Introduction to Growth and Yield Modeling
1:40-3:10pm
It is very difficult to measure all attributes of a forest, and impossible to measure future conditions. However, by taking basic forest attributes and applying them as predictor variables in mathematical equations, we can estimate attributes that are more difficult to measure as well as forecast tree and stand growth over time. In this class, we will take a basic dataset from a forest inventory, and grow the stand over time using the Forest Vegetation Simulator (FVS) developed by the U.S. Forest Service. Forest modeling is a key tool for forest planning, and provides key insights to how a stand will develop over time. Models such as FVS allow a user to apply a variety of management activities, which is beneficial for determining how to best reach management goals.
Jacob Putney, Extension Forester, Oregon State University

8C Introduction to Mushrooms and Mushrooming
1:40-3:10pm
An introduction to the roles of fungi in the environment, where they grow and why, how to forage for them, and finally, preservation, and cooking with mushrooms.
Bruce Newhouse, Ecological Consultant, Salix Associates

1D Spacing & Thinning in Young Stands
3:30-5:00pm
So let’s say you have planted and successfully established a new stand of trees and they are above the weeds and free to grow. Congratulations! But now what? Ironically, many young conifer stands (age 5-15) have too many trees for their own good, and will become much too crowded before they are big enough for a thinning harvest. Overcrowding stresses trees and may limit your options for developing forest diversity or other options. This class specifically addresses young stands, age 15 or younger, and will help you assess the need for thinning, the right number of trees for your situation, and ways to accomplish a young stand thinning when needed. Participants should plan to complete a short reading assignment before class to be prepared for in-class activities and discussion.
Glenn Ahrens, Forestry and Natural Resources Extension Agent, Oregon State University Extension

2D Oregon Forest Practices Act: Do You Know the Laws for Your Land?
3:30-5:00pm
If you are doing any type of management on your forestland, it is likely you need to know the Oregon Forest Practices Act. The Oregon Forest Resources Institute (OFRI) and Oregon Department of Forestry (ODF) has recently released the third edition of Oregon Forest Protection Laws: An Illustrated Manual. The update was due to changes in the Oregon Forest Practice Act and Rules including: stream rules, changing of the Industrial Fire Precaution Level requirements, delisting of the bald eagle, development of the ENotification (FERNs) system, and others. This class will update you on the laws, discuss the changes in the book, and generally orient you to the rules. Come to the class to get a free manual and tutorial.
Julie Woodward, Senior Manager of Forestry Education, Oregon Forest Resources Institute

3D Native Tree Identification
3:30-5:00pm
Do you have trouble distinguishing black and white oaks? Are you wondering if that huge cedar is an incense, Port Orford, or Western red? The more you know about your trees, the better you can care for them and improve their overall health. This workshop will give you all the tricks of the trade to identify native trees in the Willamette Valley—even the look-a-likes! We will also discuss habitats, range, and characteristics.
Alicia Christiansen, Douglas County Extension Forestry Agent, Oregon State University Extension

4D Living with Your Well and Septic System
3:30-5:00pm
Come learn about the basics of groundwater, water wells, and septic systems. Learn steps to protect the health of your family, neighbors, livestock, your property investment, and the safety of groundwater resources. Bring a 1/2 cup of untreated well water in any clean container for a free

TO REGISTER ONLINE, VISIT:
https://beav.es/TreeSchoolLane
5D Thinking About the Future of Your Forest: Passing It Onto the Next Owner
3:30-5:00pm
Regardless of how you acquired your property, chances are you have spent lots of time, energy, and cash on the property. Let’s face it, none of us are getting any younger. Now is the time to think through what a successful transfer of your forestland would look like. Who will get the property when you leave for the great beyond? We’ll talk with some landowners who have already worked on some of the process to learn about successes and challenges. We will talk about how to get started and provide some tips for working with your family or new owner.
Chrissy Lucas, Outreach Program Coordinator, Oregon State University Extension

6D Heavy Metal: a Landowner’s Perspective on Useful Machines for the Woods
3:30-5:00pm
The objective of the class is to discuss options for participants who don’t want or need lots of heavy equipment, especially a large excavator and a fork lift. The equipment you will need is dependent on the forest track you have and your ability to perform your annual maintenance tasks. Alternative uses for a dozer after you have made your roads will be discussed. Power take off attachments to a small utility tractor and 3 point hitch attachments to make a day’s work go a little faster. Chainsaws will also be discussed from maintenance to chains and sharpening. Lastly what will be discussed is personal protective clothing. After the presentation there will be a hands on portion with large and small choke chains.
Tamara Cushing, Starker Chair of Private and Family Forestry, Oregon State University

7D Know Your Forest & Potential Markets: Tips for Successful Harvest
3:30-5:00pm
Discuss how planning can help evaluate your forest and determine goals and practice for a successful timber harvest.
Gordon Culbertson, Owner and Manager, Whitewater Forests LLC
Oregon Small Woodlands Association (OSWA) is an influential and proactive organization united in its efforts to represent the diverse objectives of family forestland owners who practice and promote good forestland stewardship.

To join OSWA or get more information, contact your local chapter representative:

Lane County: Gary Jensen, 541-935-8653
OSWA
503.588.1813  •  www.oswa.org
187 High Street NE, Suite 208, Salem, OR 97301

OSWA achieves its goals by:

◆ Advocating the interests of family forestland owners.
◆ Communicating with woodland owners and the public in a timely and concise manner.
◆ Working with natural resource agencies, organizations and other forestland owners.
◆ Promoting wise forestland stewardship.
◆ Sponsoring programs, activities and publications which inform members and the public about forestland stewardship.

ALL KINDS OF HELP FOR YOU AND YOUR FORESTLAND.

You have many sources of assistance available to help you as forest landowners: expert technical advice, classes, grants, peer-to-peer counsel from peers and many other resources.

KnowYourForest.org features videos, publications, assistance opportunities, an interactive map and more. It's your one-stop site to find the assistance you need.

KnowYourForest.org