



1st Annual

CALIFORNIA TREE SCHOOL

El Dorado Session

June 1, 2024

El Dorado Center, Placerville, CA

Presented By:

UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources



Forest Stewardship



FIRE NETWORK

Welcome Letter

The UC ANR Forest Stewardship Team is excited to welcome you to the first annual California Tree School. This one day forestry and natural resources event will cover a wide variety of topics of interest to forest landowner, managers, and anyone who loves trees.

We want to give a special shoutout of appreciation to our colleagues at Oregon State who inspired us to take this on, and who have provided us with many hours of consultation and support.

We hope you enjoy the day.

Cheers,

Kim Ingram

UC ANR Forest Stewardship
Academic Coordinator

Katie Reidy

UC ANR Post-Fire Academic
Coordinator

Photo credit: Kim Ingram, UC ANR.

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**Thank you to our
collaborators:**



CALIFORNIA ASSOCIATION OF
RESOURCE
CONSERVATION DISTRICTS



EVENT SCHEDULE

El Dorado

WELCOME and REGISTRATION ● 7:45-8:15 AM

Welcome to UC ANR's first California Tree School! Sign in at the front table, grab your personal Tree School packet, and join fellow students for coffee and breakfast.

CLASS BLOCK A ● 8:30-10:00 AM

Forestry Field Skills: Compass Use and Navigation

Instructor: Austin Roughton

Class Description: p.11

Innovative Biomass and California Forest Products

Instructor: Cindy Chen

Class Description: p.7

Forest Pathology and Invasive Species

Instructor: Mackenzie Patton

Class Description: p.13

Residential Pile Burning

Instructor: Tori Norville & Katie Low

Class Description: p.7

Fun with Forest Food

Instructor: Kitty Opplinger

Class Description: p.9

Sprayer Calibration and Nozzle Selection

Instructor: Scott Oneto

Class Description: p.14

Introduction to Being a Naturalist

Instructor: Michelle Peeters

Class Description: p.9



EVENT SCHEDULE

El Dorado

CLASS BLOCK B ● 10:30 AM-12:00 PM

Asking the Birds

Instructor: Kyle Farmer

Class Description: p.9

Forest Landowner Panel

Facilitator: Kim Ingram

Description: p.12

Cone Monitoring and Collecting

Instructor: Melissa Paulsen &
Spencer Lachman

Class Description: p.7

Opportunities for DIY Broadcast Burning in the Winter

Instructor: Rob York

Class Description: p.10

Forestry Field Skills: Field Observation

Instructor: Austin Roughton

Class Description: p.8

Prescribed Burn Associations: Making Prescribed Burning Accessible for Landowners

Instructor: Cordi Craig

Class Description: p.6

Forest Inventory

Instructor: Susie Kocher

Description: p.11

Targeted Grazing and Wildlife Conflict

Instructor: Dan Macon

Class Description: p.14



EVENT SCHEDULE

El Dorado

LUNCH ● 12:00-1:00 PM

Enjoy lunch and don't forget to visit our tabling event.
Afternoon sessions will begin promptly at 1:00pm.

CLASS BLOCK C ● 1:00-2:30 PM

Defensible Space and Home Hardening

Instructors: Katie Low & Kevin Marini
Class Description: p.13

Monitoring Effects of Prescribed Fire and Fuel Reduction Treatments

Instructor: Tori Norville
Class Description: p.6

Forestry Field Skills: Field Observation

Instructor: Austin Roughton
Class Description: p.8

Painting Forest Prayer Flags

Instructor: Andie Thrams
Description: p.8

Forest Health: Mistletoe and Tree Diseases

Instructor: Martin MacKenzie
Class Description: p.12

Managing Timber Harvesting on Your Property

Instructor: Ariel Roughton
Class Description: p.10

Introduction to Avenza and Base Maps (Mobile and Computer Applications)

Instructor: Rick Satomi
Class Description: p.12



EVENT SCHEDULE

El Dorado

CLASS BLOCK D ● 3:00-4:30 PM

An Introduction to Taxation for Forest Landowners

Instructor: Larry Camp

Class Description: p.10

Introduction to Being a Naturalist

Instructor: Michelle Peeters

Class Description: p.9

Analyzing Avenza and Other Mapping Application Data

Instructor: Rick Satomi

Class Description: p.11

Painting Forest Prayer Flags

Instructor: Andie Thrans

Class Description: p.8

Asking the Birds

Instructor: Kyle Farmer

Class Description: p.9

Permitting for Fuels Reduction Projects

Instructor: Alison Deak & Yana Valachovic

Class Description: p.6

Insects of the Foothills and Forests

Instructor: Beverly Bulaon

Class Description: p.13

Targeted Grazing and Wildlife Conflict

Instructor: Dan Macon

Class Description: p.14



CLASS DESCRIPTIONS

El Dorado

FIRE AS A TOOL

Monitoring Effects of Prescribed Fire and Fuel Reduction Treatments

Class Block C (1:00-2:30 PM)

This course will cover the basics of monitoring treatments for different fuel reduction and stewardship practices. This includes the effects of prescribed fire implementation.

Instructor: Tori Norville, Extension Fire Advisor, UC ANR.

Permitting for Fuels Reduction Projects

Class Block D (8:30-10:00 AM)

This class will help you think about what you need to know before you get involved in taking on a grant, filing a harvest plan, or joining a community fuels reduction project. We will cover the likely environmental review, necessary permitting required to meet to meet federal, state, county, or local standards for prescribed fire, pile burning, or implementing commercial or grant-funded fuel reduction projects. Smoke management plans will also be discussed.

Instructors: Alison Deak, Extension Fire Advisor, UC ANR & Yana Valchovic, Extension Forestry Advisor, UC ANR.

Prescribed Burn Associations: Making Prescribed Burning Accessible for Landowners

Class Block B (10:30 AM-12:00 PM)

Discussion of the importance of private landowners using the application of prescribed burning as a forest stewardship and fuels management tool. Prescribed Burn Associations (PBAs) are community groups dedicated to making prescribed fire a more accessible tool for private landowners by reducing barriers and emphasizing education and on-the-ground training opportunities.

Instructor: Cordi Craig, Prescribed Fire Program Manager, Placer RCD.



Photo credit: Susie Kocher, UC ANR.

CLASS DESCRIPTIONS

El Dorado

FIRE AS A TOOL

Residential Pile Burning

Class Block A (8:30-10:00 AM)

FIELD CLASS: DRESS FOR THE WEATHER. Learn the ins and outs of building burn piles for burning woody material from stewardship activities.

Instructors: Tori Norville & Katie Low, Extension Fire Advisors, UC ANR.

FOREST ART AND FOREST PRODUCTS

Cone Monitoring and Collecting

Class Block B (10:30 AM-12:00 PM)

This class will comprise of an overview of the reforestation process, from survey to collection to planting, and efforts in California to increase the capacity and rate of reforestation statewide.

Instructors: Melissa Paulsen, Northern California Reforestation Coordinator, Sierra Nevada Alliance & Spencer Lachman, Reforestation Assistant, American Forests



Photo credit: USDA.

Innovative Biomass and California Forest Products

Class Block A (8:30-10:00 AM)

California's continuous efforts in reaching its emission reduction goals presents great opportunities for the development of a state-wide bioeconomy. This topic will go over the basics of woody biomass and focus on the current development of biomass-based products and innovative wood products. This class will also demonstrate the benefits, challenges, and opportunities related to these products and how different stakeholders can engage.

Instructor: Cindy Chen, Extension Woody Biomass Advisor, UC ANR



CLASS DESCRIPTIONS

El Dorado

FOREST ART AND FOREST PRODUCTS

Painting Forest Prayer Flags

Class Block C (1:00-2:30 PM) & Class Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. Join Andie's ForestSong project and create Forest Prayer Flags* to evoke what is seen and experienced beneath the trees. Step-by-step painting processes with watercolor will explore biophilia—that rich human pleasure that comes from being surrounded by living organisms. We'll also use ink and wildfire charcoal to address solastalgia—the emotional pain that comes from witnessing environmental degradation in places we love. Participants will take home their own Forest Prayer Flags, holding their wishes and images, ready to hang at home or in a favorite forest.

Instructor: Andie Thrans, Visual Artist.



Photo credit: Grace Dean, UC ANR.

FOREST EXPLORATION

Forestry Field Skills- Field Observation

Class Block B (10:30 AM-12:00 PM) & Class Block C (1:00-2:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. Learn the basics of making observations, asking questions and recording ideas in ways that help all-ages understand the forest through a foresters' lens. Participants will practice key nature journaling skills and observation techniques outdoors.

Instructor: Austin Roughton, Forestry Youth Education Coordinator, UC ANR.



CLASS DESCRIPTIONS

El Dorado

FOREST EXPLORATION

Introduction to Being a Naturalist

Class Block A (8:30-10:00 AM) & Class Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. This engaging session will call upon your sense of wonder as we explore the environment, record our observations, and introduce the main concepts of being a naturalist, including participatory science with the iNaturalist app.

Instructor: Michelle Peeters, Environmental Stewards Communication Specialist, UC ANR.

FOREST LIFE

Asking the Birds

Class Block B (10:30 AM-12:00 PM) & Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. This in-depth session will use the example of local birds to demonstrate trade-off decision making.

Instructor: Kyle Farmer, Board Member, Peregrine Audubon Society.

Fun with Forest Food

Class Block A (8:30-10:00 AM)

Learn about the variety of edible and medicinal plants found in Sierra Nevada forests.

Instructor: Kitty Opplinger, Community Health and Nutrition Advisor, UC ANR.



Photo credit: Kim Ingram, UC ANR.



CLASS DESCRIPTIONS

El Dorado

FOREST MANAGEMENT

An Introduction to Income Taxation for Landowners

Class Block D (3:00-4:30 PM)

The world of taxes for forest landowners can be difficult to navigate. This course is an introduction to tax basics: organization of record and discussion of applicable sections of Federal and State income tax (including cost share payments, casualty losses, and periodic timber sales, and the California Timber Yield Tax).

Instructor: Larry Camp, Landowner and retired IRS Forester.

Managing Timber Harvesting on Your Property

Class Block C (1:00-2:30 PM)

This course is an introduction to the timber harvest plan process including discussion of relevant rules and regulations, landowner requirements, and working with Registered Professional Foresters and Licensed Timber Operators to see a project to completion.

Instructor: Ariel Roughton, Research Station Manager, Berkeley Forests

Opportunities for DIY Broadcast Burning in the Winter

Class Block B (10:30 AM-12:00 PM)

This class will review permitting, which can be less restrictive during the winter period. It also suggests techniques for conducting small scale controlled burns that you can do by yourself. Broadcast burning is a safe, cheap, and effective tool for ecological restoration, fire hazard reduction, and even wellness.

Instructor: Rob York, Cooperative Extension Specialist, UC ANR.

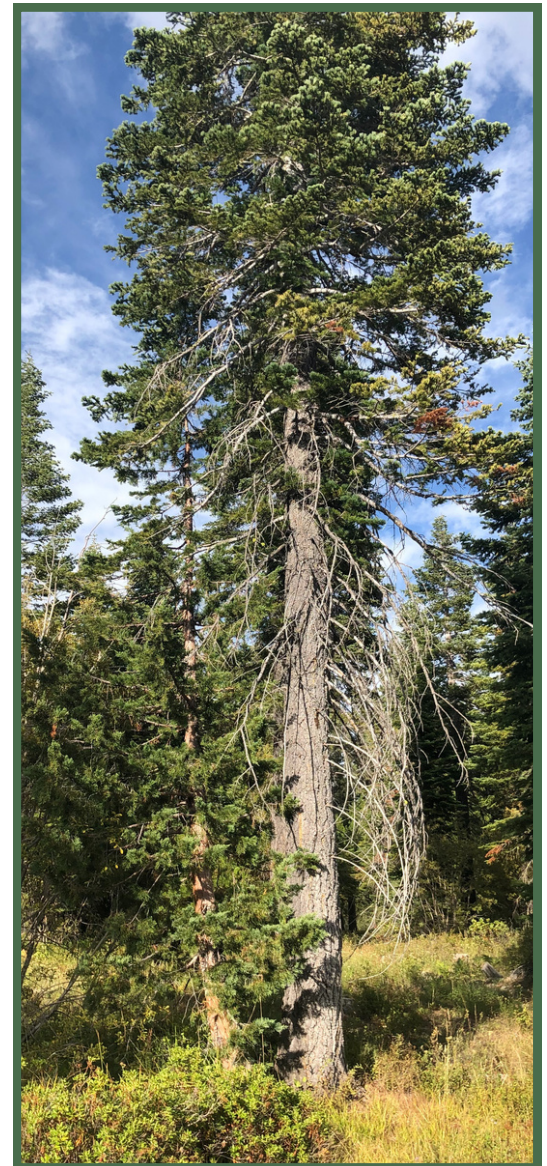


Photo credit: Kim Ingram, UC ANR.



CLASS DESCRIPTIONS

El Dorado

GETTING TO KNOW YOUR FOREST

Forestry Field Skills- Compass Use and Navigation

Class Block A (8:30-10:00 AM)

FIELD CLASS: DRESS FOR THE WEATHER. Learn the basics of pacing in the woods and using a compass to navigate, two valuable field skills that all-ages can enjoy and use to better understand the world through a foresters' lens.

Instructor: Austin Roughton, Forestry Youth Education Coordinator, UC ANR.

Forest Inventory

Class Block B (10:30 AM-12:00 PM)

FIELD CLASS: DRESS FOR THE WEATHER. Gain an understanding of essential tools that Foresters and other natural resource professionals use, in order to survey, map, and understand the composition of a forested landscape. These tools and skills can help you in your natural resources career or simply understand your private forested lands and better ways to manage it.

Instructor: Susie Kocher, Extension Forestry Advisor, UC ANR.

Analyzing Avenza and Other Mapping Application Data

Class Block D (3:00-4:30 PM)

This class will go in depth on the various applications forest landowners can use to analyze property features. Gain hands on experience working with digital data and learn about various tools used to build property maps. You must have Avenza downloaded on your phone. (download: <https://store.avenza.com/pages/app-features>).

Instructor: Rick Satomi, Extension Forestry Advisor, UC ANR.



CLASS DESCRIPTIONS

El Dorado

GETTING TO KNOW YOUR FOREST

Introduction to Avenza and Base Maps (Mobile and Computer Applications)

Class Block C (1:00-2:30 PM)

In this class we will talk about how mapping can help with stewardship and introduce the commonly used app Avenza. Avenza is used to collect and manage digital data records to track critical forest features. You must have Avenza downloaded on your phone. (download: <https://store.avenza.com/pages/app-features>).

Instructor: Rick Satomi, Extension Forestry Advisor, UC ANR.

Landowner Panel

Class Block B (10:30 AM-12:00 PM)

Join a panel of forest landowners in discussions around their successes in forest management and barriers they have faced as they strive towards stewarding a healthy and resilient forest.

Facilitator: Kim Ingram, Forest Stewardship Academic Coordinator, UC ANR.

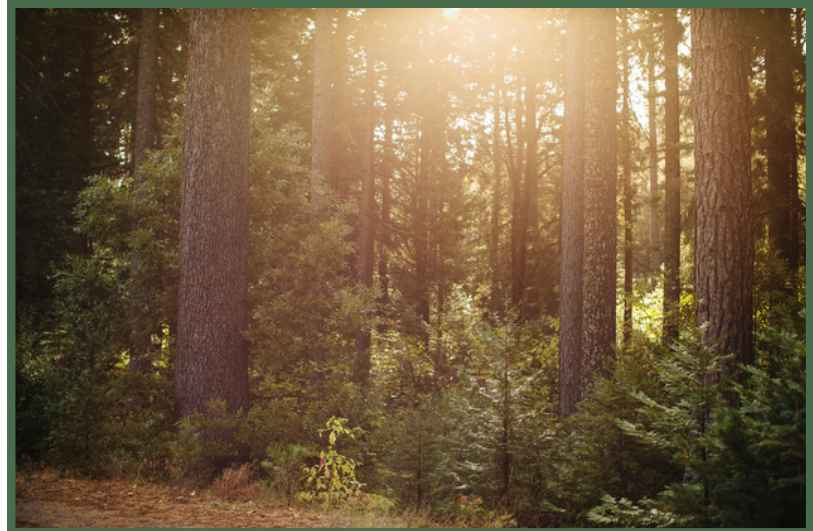


Photo credit: Elena Zhukova, UC ANR.

INSECTS AND DISEASES

Forest Health- Mistletoe and Tree Diseases

Class Block C (1:00-2:30 PM)

This class will cover fungal, fire and drought impact on trees, and what recreationists should know about the actions of decay fungi in our forests.

Instructor: Martin MacKenzie, Extension IPM Advisor, UC ANR.



CLASS DESCRIPTIONS

El Dorado

INSECTS AND DISEASES

Forest Pathology and Invasive Species

Class Block A (8:30-10:00 AM)

Have a pest problem on your forestland? This talk will cover beneficial and problem insects of the region- join for knowledge on how to identify and mitigate tree damage.

Instructor: Mackenzie Patton, Extension IPM Advisor, UC ANR.

Insects of the Foothills and Forests

Class Block D (3:00-4:30 PM)

This class will teach you how to identify the common tree-damaging pests of the region, and introduce potential approaches for managing them.

Instructor: Beverly Bulaon, Forest Entomologist, USDA Forest Service.

MANAGING VEGETATION

Defensible Space and Home Hardening

Class Block C (1:00-2:30 PM)

This course will teach you all you need to know about home hardening so you can reduce fire risk on your forestland. We will explore the different methods of assessing the risk level of your property and the different techniques and tools that can be used for home hardening projects.

Instructors: Katie Low, Extension Fire Advisor, UC ANR and Kevin Marini, Community Education Specialist, UC ANR.



CLASS DESCRIPTIONS

El Dorado

MANAGING VEGETATION

Sprayer Calibration and Nozzle Selection

Class Block A (8:30-10:00 AM)

FIELD CLASS: DRESS FOR THE WEATHER. In this course, participants will learn how to properly calibrate a backpack sprayer. Proper calibration ensures that the correct amount of pesticide is being applied and that the application is following the label. The session will also show how to choose the best application method for applying herbicides and choosing the best nozzle.

Instructor: Scott Oneto, Extension Farm Advisor, UC ANR.

Targeted Grazing and Wildlife Conflict

Class Block B (10:30 AM-12:00 PM) & Class Block D (3:00-4:30 PM)

Grazing is a tool to manage vegetation for fuel mitigation, biodiversity, and system health. Learn how to implement grazing into forest and rangelands for long-term resiliency. Participants will also learn nonlethal techniques for reducing wildlife conflict.

Instructor: Dan Macon, Extension Livestock Advisor, UC ANR.



Photo credit: Grace Dean, UC ANR.



REGISTRATION INFORMATION

El Dorado

How to Register

1. Visit [the registration page](#) or scan the QR code to the right.
2. Select which classes you would like to attend.
3. Registration is \$70. Card payments only. Need-based scholarships available by request.



What does my registration fee include?

Registration fee covers class materials (unless otherwise noted in class description), parking, lunch, and coffee breaks.

When does the registration form close?

The registration form will close on May 11th at 5 PM. Remember to register early! Classes may fill up before the registration deadline.

Should I register for both Tree School locations?

We recommend attending the location that best suits your management goals and learning objectives.

How do I obtain a need-based scholarship?

Email Kim Ingram, Forest Stewardship Academic Coordinator at kcingram@ucanr.edu.



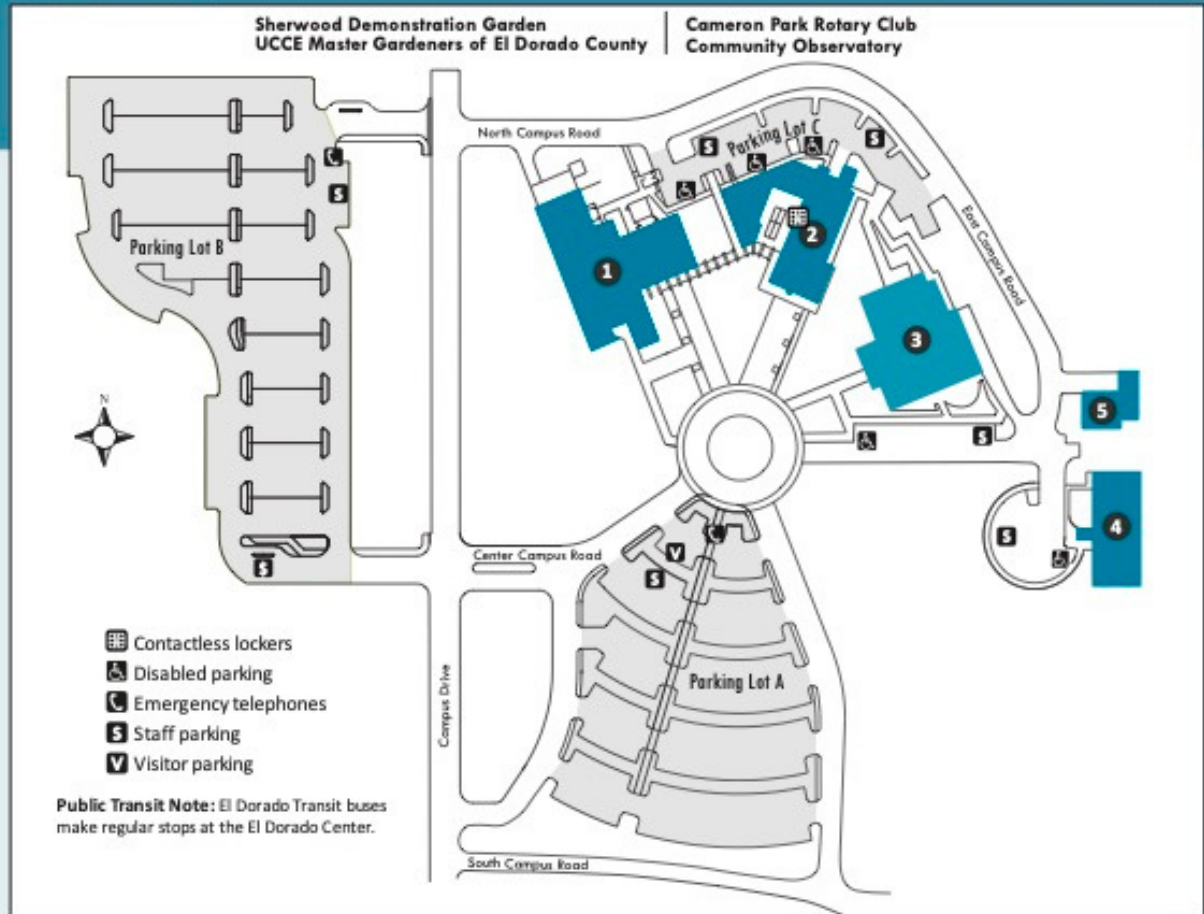
FACILITY MAP

El Dorado

EL DORADO CENTER

6699 CAMPUS DRIVE, PLACERVILLE, CA 95667

(530) 642-5644 | www.flc.losrios.edu



- 1 Building A**
Classrooms A-101 through A-214
Library
- 2 Building B**
First Floor
Admissions & Records
Associated Students (B-143)
College Administration
College Police (B-120)
Conference Room (B-132)
Counseling
DSPS (B-122)
Prairie Falcon Room (B-141)
- 3 Building C**
Classrooms C-101 through C-217
Community Room (C-102)
Computer Lab (C-210)
English Center (C-213)
Tutoring Center (C-204 inside Computer Lab)
- First Floor continued**
Student Lounge
Student Services
- Second Floor**
Conference Room (B-249)
Faculty Offices
- 4 Fitness Center**
- 5 Campus Services**
Custodial
Facilities Management/Grounds
Maintenance
Receiving

4/12/23

Directions From the Sacramento area, take Highway 50 east towards Placerville. Take the El Dorado Road exit and turn left at the first stop sign off the Highway. Continue on this road for 1.3 miles. Turn left at the first traffic signal (Missouri Flat Road). Continue on Missouri Flat Road (which becomes Green Valley Road) for 1.5 miles. Turn right on Campus Drive, which is just past the El Dorado County Office of Education and elementary school.

From the Lake Tahoe area, take Highway 50 west towards Sacramento. Take the El Dorado Road exit and turn left at the first stop sign off the highway. Continue on this road for 1.3 miles. Turn left at the first traffic signal (Missouri Flat Road). Continue on Missouri Flat Road (which becomes Green Valley Road) for 1.5 miles. Turn right on Campus Drive, which is just past the El Dorado County Office of Education and elementary school.