

Restoration Ecology Education Program

Mission: Promote long-term, community-based stewardship by engaging students, teachers and community members in hands-on restoration ecology education.



From Forest to Fish, A Holistic Approach

Under the guidance of Lomakatsi's professional restoration practitioners, students are engaged in Lomakatsi's active forest and watershed restoration projects through hands-on education and service-learning activities. From upland forested slopes to fish bearing streams, students interact with a wide range of local ecosystems. We incorporate in-class presentations and work collaboratively with a wide range of partners to provide students with a deeper look into the study of ecosystems and actions being taken to restore them.

Subjects Taught:

Botany, wildlife biology, fisheries, soil science, forest and fire ecology, hydrology, water quality, traditional ecological knowledge, and technical ecological forestry.

Service-Learning Activities:

Planting native trees and vegetation, removing noxious weeds, forest thinning for habitat health and fuels reduction, mapping, on-going site maintenance, planning, monitoring, trail management, native plant propagation, nursery care, and forest by-product utilization.

Program Components:

1) In-Class Presentations

Interactive activities, coupled with guest presentations, increase student awareness and support field activities.

2) Site Adoption

Students, youth crews, and community volunteers adopt restoration sites for long-term stewardship.



3) Restoration Planning and Monitoring

Students are engaged in the science behind restoration ecology by taking part in restoration project planning and monitoring.

4) Hands-on Ecological Restoration:

Aquatic Restoration: While participating in restoration projects along local creeks, students learn about stream ecology, watershed function, and the importance of healthy riparian areas. Through hands-on experience, students work to enhance fish and wildlife habitat, protect water quality, and improve overall streamside health.

Forest Restoration: Working in a diversity of forest habitats and plant communities, participants explore a wide range of on-the-ground restoration forestry activities. Restoration strategies aim to protect older forests, reduce the risk of extreme wildfire, diminish the spread of invasive species, and improve the health of native ecosystems.

5) Native Plant Nurseries

Lomakatsi manages four different community based nurseries. Over 10,000 native trees and shrubs, encompassing 25 different species, are grown annually for use in local ecological restoration projects. Through Lomakatsi's nursery program, students learn botany, plant care and nursery management.

Lomakatsi Restoration Project

Organization Mission

Restore ecosystems and the sustainability of communities, cultures and economies.

Lomakatsi is a nonprofit organization that designs ecological restoration projects and trains and employs hundreds of skilled workers to restore forests and watersheds throughout Oregon and northern California. We have been providing thousands of students and community members with hands-on, educational, volunteer opportunities and workforce training in ecological Restoration since the organization's inception in 1995.

What is Ecological Restoration?

The practice of renewing and restoring degraded, damaged or destroyed ecosystems through active human intervention.

What is Restoration Ecology?

The scientific study supporting the practice of ecological restoration.



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www.lomakatsi.org



Restoration Ecology Education Program



Restoring Ecosystems,
Sustaining Communities



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