

Redwoods and Climate Change Program

Save The Redwoods
LEAGUE

Save the Redwood League's exciting new program brings the redwoods to the classroom and students to the redwoods. Climate change and its impact on redwoods is used as an avenue to talk about conservation of a local resource. The program, aimed at high school students, consists of three classroom lessons and a **field trip to a local redwood forest**. Through this innovative program students analyze real scientific data and have an opportunity to explore the forest as a scientist.

During the hands-on classroom lessons, students will:

- Learn basic **redwood ecology** and conservation
- Be introduced to the topic of **climate change**
- Calculate **biomass and carbon storage** of the classroom
- Analyze and graph **real scientific data** collected from professional redwood researchers



During the redwoods field trip, students will:

- Learn **scientific field techniques** such as measuring tree height, the basal diameter of the trunk, and the depth of fallen leaves on the forest floor
- **Investigate sword fern** size and health as an indicator of drought impacts in the forest
- **Identify redwood forest plants** using a plant identification guide
- **Explore, discover, reflect and appreciate** time in a redwood forest.

"I LOVED that the students were able to take data collected by scientists, analyze it, graph it, and look for trends. As a science teacher, these are skills that I teach all year long and I'm always looking for new data to use to create interesting curriculum for my students."

- Alyssa Pandolfi, teacher at Castlemont High School, Oakland

For more information contact Save the Redwood League's Education and Interpretation Manager at 415.362.2352 or Education@SaveTheRedwoods.org.