

4-5th Grade: Discover Redwoods *Teacher Guide*

<p>Next Steps for Teachers</p>	<ol style="list-style-type: none"> 1. Print Journals: Print out the Student Journal for students (optional). The journal may also be used electronically. 2. Review Student Guides: Review student guides (linked below) for each lesson. 3. Share Links with Students: Share the Student Guide link with your students on the day(s) you'd like your students to do the lesson.
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<p>NGSS Content Standards</p>	<p>Performance Expectations 3-LS1-1 4-LS1-1 5-LS1-1, 5-LS2-1</p> <p>SEP's Analyzing and Interpreting Data Constructing Explanations and Designing Solutions</p> <p>DCI's LS1.A: Structure and Function LS1.B: Growth and Development of Organisms LS2.A : Interdependent Relationships in Ecosystems LS2.B: Cycles of Matter and Energy Transfer in Ecosystems</p> <p>CC's Patterns Cause and Effect Stability and Change Systems and Systems Models</p>
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<p>Themes Covered:</p>	<ul style="list-style-type: none"> • Layers of a tree and their functions • How do you determine the age of a tree? • What creatures live in different parts of a redwood forest? • You can tell the age of needles by counting sections of it.
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<p>Guiding Questions</p>	<ul style="list-style-type: none"> • What plants and animals live in a redwood forest?
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- What characteristics of redwoods help them grow and thrive?
- What can the rings of a redwood tree tell us about its life?

Social and Emotional Learning support

A [Redwood Tree Yoga Video](#) is part of this unit.

Lesson #1: Engage

- Pose the guiding questions so students start thinking about redwoods and their forests.
- Students answer questions in their journal.
- [“Redwoods” Storytime Video](#) including the following pause points:
 - 3:34- Push forward with your hands and say “Resist fire”
 - 4:15- Put your hands above your head and make a slurping noise
 - 7:05- How many different animals live in the redwood canopy? (Answer: 8 are listed on this page)
 - 8:20- wave your arms back and forth and intertwine them like the branches of a redwood tree
- Neighborhood Tree Search and journal activity

Lesson #2: Explore

- [Redwood Tree Yoga](#)
- Watch the [Redwood Scavenger Hunt Video](#) and complete the journal questions
- Tree Cookie Activity and journal questions
- [Build a Tree Video](#) and journal questions

Lesson #3: Explore

- Watch the [Banana Slug Video](#)
- Complete the [Redwood Animals](#) and their [Habitats Activity](#)
- [Neighborhood Animal Scavenger Hunt](#)

Lesson #4: Explain

- Study the [tree cookies](#) and tell us about the rings
- Watch the [Redwood Needles Video](#) and count the needle sections and tell us its age
- Revise and add to your answers on the Guiding Questions

Lesson #5: Elaborate

Choose one of the following activities to share with others what you learned about redwoods and redwood forests.

- Option 1: Take our [pledge](#) and commit to helping the redwoods.
- Option 2: Draw a picture of a redwood forest and the different animals that live in it and share it with your family.
- Option 3: Write a poem or haiku about redwoods and share it with education@savetheredwoods.org
- Option 4: Find a redwood park near you to visit with our ExploreRedwoods.org webpage.

Chat with a Naturalist

Additional Resources

- Explore the [Redwood Forest Facts](#) webpage
- Print and play the [Redwood Kingdom Game](#)
- [Coast Redwood Education Brochure and Activity Book](#) (downloadable in English and Spanish)
- Chat with a Naturalist - This is an option if students have more questions or are interested in continuing to engage and ask further questions of a Save the Redwoods League Naturalist. Educators should reach out to **education@savetheredwoods.org** and can schedule a 30 minute zoom session with a Naturalist. Questions should be provided to the Naturalist prior to the date of the check in so they have ample time to prepare and address students' questions thoroughly and thoughtfully.