



Cadette Trees

Pillar: STEAM/Outdoors

When you've earned this badge, you'll have gone to the root of what trees are all about and branched out as a naturalist.



Cadettes will follow these steps to earn their badge:

1. Try some tree fun. (Discover, Connect)
 - a. Enjoy the bounty trees can provide by visiting an apple or peach orchard and learn about how they do business, the fruiting cycle of the trees and what it takes to keep the trees healthy throughout the year. Then go shopping for fruit that comes from trees and have fun sampling the bounty!
 - b. Next, make a dish using a product from trees such as walnuts or lemons. If you picked apples or peaches, use these in a dish. If you're working with other girls, add another element of fun by hosting a tree bounty bake-off and invite some judges to taste-test your creations.
 - c. Create a small recipe book. Include some of your favorite dishes from above and share it with some information about the trees the ingredients came from!

2. Dig into the amazing science of trees. (Discover)
 - a. Do you know how to identify trees? There are several features used to determine tree species—bark, flowers, leaves, needles and more.
[Test Your Leaf Skills by Taking this Leaf Identification Quiz](#)
[Tree Trivia and Quiz Game from Pro-Prefessors.com](#)
[What Tree is that? Identification and Field Guide Arborday.org](#)
 - b. Take a walk in your neighborhood or a park and try to identify at least five different types of trees.
 - c. Learn about tree rings and climate. <https://scied.ucar.edu/learning-zone/how-climate-works/tree-rings-and-climate>

3. Make a creative project starring trees. (Discover, Connect)
 - a. Create a piece of gratitude art. Here's an example: <https://crystalbastrology.com/gratitude-tree/>
 - b. Create a piece of tree art using warm and cool colors. <http://arteascuola.com/2018/04/tree-in-warm-cool-colors/>
 - c. Create a new kind of leaf rubbing! This is a watercolor resist!
<https://www.kitchentableclassroom.com/leaf-rubbing-crayon-resist/>

4. Explore the connection between people and trees. (Discover, Connect)
 - a. Discuss ways in which trees help people (providing food, oxygen, medicine, shelter, fuel, paper and jobs). Sometimes the ways we use trees aren't so simple. Select a tree issue and have a healthy debate among your family or troop. Issues you could tackle include logging, clearcutting or deforestation. To have a fruitful debate, do some research before your meeting. Next, explore careers related to trees.
 - b. Select a tree-related career like those listed below and present it to the group:

Landscape	Soil Scientist	Forest Ranger	Nature Writer
Architect	Woodworker	Tree Biologist	Lumber Harvester
Park Planner	Tree Farmer	Nursery Owner	



5. Help trees thrive. (Discover, Take Action)

- a. Plant Tree in a place where there isn't a lot of them! **Girl Scout Tree Promise** is a service project that aims for Girl Scouts to plant 5 million trees in the next five years, for more information about the program, see our April Family Fun/Service information. <https://www.gsksmo.org/content/dam/girlscouts-gsksmo/OtherDocuments/virtual/April-Family-Fun-and-Service-Tree-Promise.pdf>
- b. Get to know your tools! What tools are the best for the job at hand!
- c. Learn what fertilizers are best to use and how to water efficiently.
- d. Learn how properly prune trees to help them grow and produce fruit.
- e. Check out Heartland Tree Alliance - Bridging the Gap at <https://bridgingthegap.org/heartland-tree-alliance/>. Work with them to plant your tree!

When you're finished: Congratulations, you have earned your badge! You can purchase online at <https://www.girlscoutshop.com/CADETTE-TREES-BADGE>

You can purchase your Girl Scout Virtual main patch and bars at [gsksmo.org/orderpatches](https://www.gsksmo.org/orderpatches).

