

# Girl Scout Climate Challenge



**Our climate is changing.** Carbon and other greenhouse gases trap heat in the atmosphere. This causes hotter summers and warmer winters. Glaciers are melting, changing beaches and shorelines. Animals and plants are losing their habitats. Weather is more extreme with droughts, hurricanes, and blizzards.

**Be a climate advocate with the Girl Scout Climate Challenge.** Complete ten activities. Use the resources. And check out the [Girl Scout Climate Challenge on SciStarter](#) for citizen science projects!

**Part 1: Explore climate science.** Scientists need data, or information, to understand climate change. Observe nature, gather data, and share it with scientists. Choose four activities:

- Discover the difference between weather and climate.
- Explore greenhouse gases and the carbon cycle.
- Learn the steps of the [scientific method](#).
- Share data with climate scientists.
- Learn about local issues at a water facility.
- Take field notes about your environment.
- Explore [natural habitats](#) and build a home for [bugs](#) or [animals](#).
- Explore land, air, water, and biodiversity at a garden.
- Find out how trees and climate are connected with the [Girl Scout Tree Promise](#).
- Learn about climate change's impact on bees and other pollinators.

**Part 2: Connect with your community.** Climate change happens everywhere, even in your community! Find out what others care about and how they want to make a difference. Choose four activities:

- Find out how climate impacts different groups of people, like women and girls.
- Interview community members about climate change.
- Talk to a local climate scientist, organizer, official, or anyone trying to help the planet.
- Make a map, [art](#), or [model](#) of community resources (from memory or through [observation](#)).
- Plant a tree with the [Girl Scout Tree Promise](#).
- Learn about invasive plants and help remove them from your community.
- Map examples of erosion in your community.
- [Reduce](#) your household's carbon footprint.
- Go to a community event to help the planet.
- Research environmental groups.

**Part 3: Share hope.** Climate change is a big problem no one person can solve, so raise awareness in your community! Make a plan and design your project. Then share it to get others involved. Do both activities:

- Create your challenge project.** Choose a part of climate change that's important to your community. Research and plan a project. Build a rain garden, start a community composting project, or film a video. It's up to you!
- Share your project with your community.** When you've finished, tell your community what you've done. Include an action that challenges others to get involved!