

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.

The Girl Scout Climate Challenge puts you at the center of science and community action. 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 your environment, gather data, and share it with scientists. Choose four activities:

- Discover the difference between weather and climate.
- Use the scientific method to [sketch observations](#), [create a field guide](#), or [design an experiment](#).
- Observe the weather more than once to compare changes over days, weeks, or even months!
- [Collect data for climate science](#).
- [Investigate the global ecosystem](#) and connections between land, water, air, and biodiversity.
- Explore greenhouse gases and the carbon cycle.
- Find out how trees and climate are connected with the [Girl Scout Tree Promise](#).
- Discover how biodiversity and climate connect.
- [Interview a global citizen](#) or climate expert.
- [Watch a movie or documentary](#) about climate activists advocating for change.
- Investigate climate laws and policies.
- Interview a gardener or farmer about the impact of climate change on our food supply.

Part 2: Connect with your community. Climate change affects where people live, play, and grow food. Explore how it impacts groups of people differently. Find out what your community is concerned about and how they want to make a difference. Choose four activities:

- Explore climate justice and how climate impacts groups of people in different ways.
- Survey your community about climate change.
- Go to a climate event in your community.
- Explore your community's history of climate action.
- Plant a tree with the [Girl Scout Tree Promise](#).
- [Create a mind map](#) exploring the root causes and impact of climate change on your community.
- Connect with local environmental groups.
- [Examine](#) what local leaders think about climate change.
- Talk to a local climate scientist or organizer.
- Design an [anti-climate change community](#).
- [Make a community map](#) for climate resources.
- Learn about water's role in your community, such as sources, quality, treatment, and management.

Part 3: Share hope. Climate change is a problem no one person can solve, so get others involved! Take what you've learned and turn it into community action. Do both activities:

- Create your challenge project.** Choose a climate issue to address. Research it and design your project. Gather resources and volunteers. Protect your local watershed, create a speakers' series, or design signs for a local trail. It's up to you!
- Share your project with your community.** When you've finished, present your project or hold an event with your community. Increase awareness about climate change and how your community can help. Include an action to get others involved!