Citizen Science Stream Mapping Kit

Materials:
- Handheld GPS (1)
- Thermometer (12)
- Data sheets & clipboards (12)
- Dry erase markers (12)
- How to Use SciStarter Guide (1)

Step 1: Visit the Volunteer Toolkit and choose the Think Like a Citizen Scientist Journey.

Step 2: Review the SciStarter Guide in your kit. Follow the instructions to set up a SciStarter account and begin viewing projects to choose from with your troop.

Step 3: Pick a project to complete with your kit. Options that work well for this kit include: Stream Tracker, Stream Selfie, Fieldscope or Fish Watchers. Other projects may work as well, so make the decision as a troop. Review all the videos and resources linked to your project in SciStarter.

Step 4: Share your SciStarter link with girls and start collecting data in SciStarter or via the website for the project you are working on. It is optional to have girls/guardians use a computer to have a SciStarter account. Troop leaders can submit manual entries instead if girls/guardians do not have access to SciStarter.

Step 5: Take your kit outside and get started collecting data. If you cannot meet together as a group, have girls go outdoors in an area of their choice and submit data via SciStarter or back to the troop leader. If outdoors is not an option at all, find a live feed online that will allow you to watch and gather data in real time. Locate a stream segment at least 30 feet in length (flowing or pooled). Turn on the GPS and use the thumb stick to toggle down to the "satellite" icon and select. Record the latitude and longitude on the data sheet. Turn the thermometer on and confirm that the units are in °C. Place the thermometer in the water for 30 seconds. Record the value on the data sheet. If you have a camera, take a picture of the stream. Follow any other instructions included in the project that you have selected.

Step 6: Collect data and submit on SciStarter or the project website you are working with.

Thank you for participating in Citizen Science! Want to do more? Go to your dashboard on SciStarter.org to find a similar project like the ones below or try an entirely different kind of project!