

# CITIZEN SCIENTIST

## Citizenship



### THE ADVENTURE:

Citizen science projects are large-scale research projects that are conducted with the help of amateur scientists. Citizen science projects range in topic from monitoring species populations to classifying music to identifying cities from space. Citizen science projects rely on non-experts to collect and/or analyze data.

There are hundreds of active citizen science projects worldwide, and now it's your turn to contribute. Get out into the wild and help collect data, or contribute through your computer from the comfort of home. You never know – your data could lead to big changes in how we understand population dynamics or the formation of faraway galaxies.

### SAFETY TIP:

- How can you stay safe on the internet when participating in an online citizen science project?
- What precautions do you need to take when collecting data outdoors?

### ONLINE RESOURCES:

- [List of citizen science projects](#)
- [The Awesome Power of Citizen Science](#)
- [Ontario BioBlitz](#)
- [Bumblebee Watch](#)
- [Project Noah](#)
- [Zooniverse](#)
- [Citizen Scientists](#)

### PLAN:

- To what kind of citizen science project do you want to contribute?
- What requirements must your Expedition Team meet in order to participate?
- How long will you participate in this project? Is this a one-time event, or something to which you will contribute over a period of weeks or months?
- What tools do you need in order to participate in this project?

### DO:

- Participate in the collection or analysis of data for a citizen science project.

### REVIEW:

- What do you know now that you did not know before?
- How did you work together to collect or analyze the data?
- How does contributing to citizen science projects help scientists and non-scientists understand our world?
- Why did you choose this particular project? Why was it important to your Expedition Team?
- What elements of STEM were in this adventure? Science? Technology? Engineering? Mathematics?
- What did you like about this adventure? What did you not like? How would you do this adventure differently?

