



## 4 Features of Citizen Science

- Anyone can participate
- Participants use the same protocol so data can be combined and be high quality
- Data can help scientists come to conclusions
- A wide community of scientists and volunteers work together and share data to which the public and scientists have access



Image: normals

Help solve problems important to you

## What is Citizen Science?



Science needs more eyes, ears and perspectives than any scientist possesses. Enter citizen science: a collaboration between scientists and those of us who are just curious or concerned and motivated to make a difference.

### A citizen scientist is someone without specialized training participating in research activities.

People just like you are collecting data on topics that interest them, like taking photos of clouds, documenting changes in nature, or using smartphone sensors to help scientists monitor water and air quality.

The massive collaborations that can occur through citizen science allow investigations at various scales and across decades—leading to discoveries that a single scientist could never achieve on their own.

Source: [scistarter.org/citizen-science](http://scistarter.org/citizen-science)

## Resources & ways to Learn More

[Citizenscience.gov](http://Citizenscience.gov)

Fostering collaboration between the federal government and the public to advance inclusive participation in scientific discovery and research.

[!Naturalist.org](http://!Naturalist.org)

Explore, track, and share your observations of nature.

[Scistarter.org](http://Scistarter.org)

Online hub for citizen science education and for projects around the world. Create an account to save projects and submit data. Take part in real cutting edge research in many fields across the sciences, humanities, and more.

[Zooniverse.org](http://Zooniverse.org)

Take part in real cutting edge research in many fields across the sciences, humanities, and more.



## How Citizen Scientists of all ages can

# Get Involved

There are many ways you can contribute to real research. The projects below are a small sample of available opportunities.

### **Checkout a Kit from the Library of Things**

*North Valley Public Library*

The Library has several kits available for checkout that include the opportunity to gather and submit data. Kits include:

- Birding the Bitterroot
- Starry Sky
- Pollinator Observation

### **Bumble Bee Atlas**

*Xerces Society*

Help track and conserve bumble bees in MT and contribute to a national initiative. Begin at [bumblebeeatlas.org](http://bumblebeeatlas.org)

### **Glacier National Park Citizen Science**

*Glacier National Park*

GNP offers several citizen science projects on various topics. Discover the latest opportunities at [nps.gov/rlc/crown/citizen-science.htm](http://nps.gov/rlc/crown/citizen-science.htm)



### **Nature's Notebook**

*National Phenology Network*

Track changes in the timing of plant and animal seasonal activity. Learn about this project and many others at: [usanpn.org/nn](http://usanpn.org/nn)

### **Riverscape Analysis Project**

*University of Montana*

UM and the Flathead Lake Biological Station are dedicated to trout conservation and need your help collecting valuable samples. Learn more at [umt.edu/riverscape-analysis-project/citizen-science/](http://umt.edu/riverscape-analysis-project/citizen-science/)

### **Project Finder**

*Scistarter.org*

A comprehensive, searchable database with projects on various topics all around the world. Find a project that interests you at [scistarter.org/finder](http://scistarter.org/finder)

## Introducing

# Citizen Science

## For All Ages



smugmug.scistarter.org/Photo-gallery/Citizen-Science-Outside/I-GnjsRfq/A

Turn your curiosity into cutting-edge research



**scistarter**  
Science we can do together.