

Mr. E's Classroom - Citizen Science Project - Quarter 4

Citizen Science Projects Blog <http://www.citizensci.com/>

Citizen science is a term used for a project or ongoing program of scientific work in which a network of volunteers, many of whom may have no specific scientific training, perform or manage research-related tasks such as observation, measurement or computation.

The use of such networks often allows scientists to accomplish research objectives more feasibly than would otherwise be possible. In addition, these projects aim to promote public engagement with the research, as well as with science in general. Some programs provide materials specifically for use by primary or secondary school students. As such, citizen science is one approach to informal science education.

The longest-running currently active citizen science project is probably the [Audubon Society's](#) Christmas Bird Count, which started in 1900. Other well-known examples of citizen science programs include [World Water Monitoring Day](#), [NASA's Stardust@home](#) and Clickworkers, and [a variety of projects](#) run by the Cornell Laboratory of Ornithology, such as [Ebird](#). [Distributed computing](#) ventures such as [SETI@home](#) may also be considered citizen science, even though the primary task of computation is performed by volunteers' computers.

Thanks to [Wikipedia](#) for this page information!

Following is a partial list of available Citizen Science projects. Some are more regional than others.

Use this list as a start or do your own search.

Let me know if you find a good one and I will add it to this list.

Frog Watch USA <http://www.nwf.org/frogwatchUSA/>

Minnesota Odonata Survey Project <http://www.mndragonfly.org/index.html>

Great Lakes Worm Watch <http://www.nrri.umn.edu/worms/>

Journey North <http://www.learner.org/jnorth/>

Monarch Larva Monitoring Project <http://www.mlmp.org/>

Roadkill <http://roadkill.edutel.com/>

Galaxy Zoo <http://www.galaxyzoo.org/>

The Great World Wide Star Count <http://starcoun.org/>

Christmas Bird count <http://www.audubon.org/bird/cbc/index.html>

Cornell Laboratory of Ornithology <http://www.birds.cornell.edu/LabPrograms/citSci/index.html>

World Water Monitoring Day <http://www.worldwatermonitoringday.org/>

SETI at Home <http://setiathome.berkeley.edu/>

Stardust at Home <http://stardustathome.ssl.berkeley.edu/>

Clickworkers <http://clickworkers.arc.nasa.gov/>

PlanetQuest Collaborator <http://www.planetquest.org/download/>

American Association of Variable Star Observers <http://www.aavso.org/observing/programs/>

Nature Watch <http://www.naturewatch.ca/english/>

NOAA NWS Cooperative Observer Program <http://www.nws.noaa.gov/om/coop/index.htm>

Citizen Weather Observer Program <http://www.wxqa.com/>

EarthDive <http://www.earthdive.com/>

BOINC: Compute for Science <http://boinc.berkeley.edu/>

Citizen Science

Spider WebWatch <http://www.spiderwebwatch.org/>

Spring Alive <http://www.springalive.net/>

The Great Sunflower Project <http://www.greatsunflower.org/>

Society for Amateur Scientists <http://www.sas.org/>

Task Definition

Research and participate in a Citizen Science opportunity. Pick a science project that interests you, find out how to become involved, and do science! Look under "Pick Your Target" below to decide at what level you want to participate. This is a project every individual needs to complete. Although, some of the science might be fun doing with a friend or two!

Due Date - **Monday, June 1, 2009**

This will not be a project you can leave to the last minute!

So, find one that will interest you and dive in!

Have Fun, Contribute to Science, and Learn Something

Pick Your Target - grading options for this project are as follows:

(all submissions need to be in digital form using drop box, email, flash drive or stored in your school folder)

A = getting involved in a citizen science project this school year

- **Joining a project**
- **Participating in the science**
- **Reporting your contribution/data**
- **Handing in an Abstract of the project (summary description of the purpose and goals of the project) along with your findings/data/etc. Include a short statement on why you chose this project and what you learned personally.**
- **Met expectations below**

B = picking and researching a citizen science project to present to class

- **Choose a project**
- **Research project purpose and goals**
- **Prepare a report for presentation to class in one of the following forms:**
 - **Two-page paper**
 - **Podcast**
 - **Web page**
 - **Interactive Cmap**