**Citizen Science Project**

**Introduction:**

“At SLCSE, we develop the character and skills necessary to Change Reality.” Throughout the biology course, you have learned about a variety of topics in the life sciences. Applying these concepts to “Change Reality” is one of the hallmarks of SLCSE. In this End of Year Project, you will have the opportunity to participate in large-scale biology-centric data collection experience that you feel passionate about by contributing to a citizen science project.

Citizen science is a great way for any individual in the general public to be involved in some element of data collection, regardless of one’s academic and/or career pursuits. Citizen science research allows one to be actively engaged in a research topic that they are passionate about and that connects directly to local and/or global communities. As you prepare to leave SLCSE but continue to embody some of our SLCSE-isms, citizen science projects are one way you may continue to “take care of our abundant resources and use them to serve our school community and beyond.”

**Objective:**

To apply biological concepts to relevant, community-based scientific questions for which you have a passion and to demonstrate a mastery of understanding of how classroom topics relate and support meaningful large-scale data collection experiences.

**Citizen Science Projects:**

*The following are possible citizen science projects that can be considered for your end of year project, but you are not limited to these ideas.*

* [Utah Water Watch](https://extension.usu.edu/utahwaterwatch/) – monthly water quality survey
* [Beaver Monitoring](https://extension.usu.edu/utahwaterwatch/citizenscience/beavermonitoringapp/)
* [City Nature Challenge BioBlitz](https://nhmu.utah.edu/programs/city-nature-challenge-wasatch-front)
* [Boreal Toad Survey](https://www.hoglezoo.org/meet_our_animals/conservation/boreal_toad_conservation/)
* [iNaturalist](https://www.inaturalist.org/)
* [Utah Fox Squirrel](https://nhmu.utah.edu/programs/utah-fox-squirrels)
* [Stream Tracker](http://citsci.org/cwis438/Browse/Project/Project_Info.php?ProjectID=950)
* [Globe Observer](https://www.globe.gov/globe-data/data-entry/globe-observer)
* [Genetics Citizen Science](http://blogs.discovermagazine.com/citizen-science-salon/2016/01/28/genetics/#.Ws2FZtPwbOQ)
* [Stardust at Home](http://stardustathome.ssl.berkeley.edu/)
* [Firefly Watch](https://nhmu.utah.edu/newsdesk/releases/citizen-scientists-needed-firefly-watch)
* [Light Pollution C.S.](https://www.darkskyslc.org/citizenscience/)
* [Protein folding](http://folding.stanford.edu/)

**Project Selection:**

*Explore a few (2-4) citizen science projects that may be of interest to you to get a better understanding of what you might select as your end of project.*

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| **C.S. Project** | **Project Description** | **URL** | **Logistics**  **(**Dates, Location, Time, # of Participants, etc.) |
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*Select one project from those explored above on which you will explore in your EOY project. What did you choose and why?*

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**Project Proposal**

*In this project, I/we will*

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*The logistics (date, time, location, etc.) I/we need to know to successfully participate in this project are*

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*To document my valuable participation in this project, I/we will*

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*This project relates to topics discussed in biology because*

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