

Bugs:

The Lost Ladybug Project: [Lost Ladybug](#).



The Nine Spotted Ladybug, (the official NY state insect) was once one of the most common ladybugs in North America, but over the past 20 years, sightings of this insect have become increasingly rare. Recording and restoring populations of this lovely little beetle is the inspiration for creating the Lost Ladybug Project.

NY state residents can participate in the nine spotted ladybug restoration project.

<http://www.lostladybug.org/ladybug-larvae-sales-1114.php>.

Birds:



Project Feederwatch: [FeederWatch](#) Identify and count birds at a feeder from November to April. An annual fee of \$18 to participate includes a research kit with instructions, a bird identification poster, and a digital subscription of “Living Bird.”

Celebrate Urban Birds (CUBs): [CUBs](#) is a year round project to engage city dwellers in collecting data on sixteen bird species. This program is for all ages and is offered free of charge.

The Great Backyard Bird Count: [Backyard Bird Count](#) is one of the largest citizen science projects in the United States. Participants record bird sightings for 15 minutes over 4 day period in February.

Air:

Air Sensor Toolbox for Citizen Scientists, Researchers and Developers: [Air Sensor Toolbox](#) The Environmental Protection Agency has a website that provides information on how to purchase and use portable air sensor technology. These low cost air sensors can be used to monitor air quality in your community.

AirCasting: [AirCasting](#) is designed to record, map and share air quality data using the AirBeam Monitoring device paired with an android smartphone or tablet. CELF is using these tools with NYC schools to identify pollution hot spots. *If you are interested in this program please contact Vicky Garufi, victoria@celfeducation.org*

Water:



LifeStraw: STEM & Service Learning: [CEL F LifeStraw](#). Safe drinking water for everyone is essential to promote a just and sustainable future. CEL F has partnered with Vestergaard Frandsen, maker of the LifeStraw water filtration system to inspire students to learn about this global issue and empower them to make change. High School Students can participate in our Student Ambassador program.

<http://www.celfeducation.org/student-ambassador-program-sam>

EarthEcho Water Challenge: [World Water Monitoring Day](#) is a program to build public awareness of global water issues through testing local bodies of water.

The Glass Eel Project [Glass Eel Project](#) is a field study program that collect information on eel migration patterns along tidal estuaries from March through May.

For NY and NJ schools 'Day in the Life of the Hudson River:' [Snapshot Day](#)

This place-based event involves sampling the physical, biological and chemical aspects of the Hudson River on a specific date in October. The data collected informs scientists about how the Hudson River estuary is changing over time.

Water Quality Monitoring [Saw Mill River Citizen Science Water Testing](#)

In partnership with Riverkeeper, Groundwork, and YPRC, Sarah Lawrence College, Center for the Urban River at Beczak (CURB) is monitoring and conducting research on sewage contamination in the Saw Mill and Hudson River. By examining levels of fecal contamination, CURB hopes to highlight key issues facing water quality in Hudson River tributaries, and make suggestions for improvement. A county-wide study from Yonkers to the headwaters in Chappaqua will give a better understanding of the overall health of the watershed, and a focused study of the daylighted portion of the Saw Mill will lead to a better understand the impact of daylighting projects, and the relationships between urban development, public health, and ecological integrity.

Other:

USA National Phenology Network: [About the National Phenology Network](#)



Joining the *USA National Phenology Network*, gives students the opportunity to record observations of natural phenomenon that help inform scientific discovery and political decision-making. This network includes an online tool to record these observations called *Nature's Notebook*. This place-based, hands-on, program promotes cross curricular connections.

Don't see anything here that fits into your curriculum?

Scistarter <http://scistarter.com/finder> has over 1500 vetted Citizen Science and Social Justice projects organized by location and topic.