Citizen Science on the Schoolyard: Meeting the Needs of Teachers, Students, and Scientists

Citizen science can motivate and inspire students. They connect to the natural world as they make observations, collect data, and view their findings within the broader scope of the project. Not just learning science, students are actually being scientists.

Participating in citizen science creates opportunities for students to learn science concepts related to life cycles, habitats, adaptation, phenology, and ecological interrelationships. Teachers desire training and lessons related to participation, science content, and inquiry learning.

Supporting Teachers Through...

In-person Workshops

Online Workshops

Teachers at our summer retreat learn about and practice citizen-science protocols and explore data

Curricula, Books, Blog Posts, and Downloadable Lessons

Citizen Science meets NGSS Standards

- Crosscutting Concepts
  - Patterns
  - Scale, proportion, and quantity
  - Structure and function
  - Stability and change
- Scientific Practices
  - Asking questions
  - Planning and carrying out investigations
  - Analyzing and interpreting data
  - Using mathematics and computational thinking
  - Obtaining, evaluating, and communicating information
- Content
  - LS2: Ecosystems: Interactions, energy, and dynamics
  - ESS3: Earth and human activity

Jumping off point for investigations that mirror professional science

Will a Fake Cat Scare Away Birds?

Amy, 4th grade

What Affects the Number of House Sparrows Seen at the Downy Creek Bird Blind Over Time?

7th Graders, Oregon