

PEEC Into the Classroom: Virtual Curriculum via Zoom (1 hour per class)

“Water Quality Time”

What’s in your water? Students will learn about different bodies of water and the creatures living there, followed by a simple, at-home experiment on water acidity.

- Pre-Lesson Assignment: Prepare cabbage juice experiment for learning pH
- Introduction to Pond & Stream ecology (10 minutes)
- Meet the Macroinvertebrates Live Stream Q&A (30 minutes)
- Cabbage Juice pH Experiment & Wrap-up (20 minutes)

“What’s in Your Watershed”

Explore where water goes through our EnviroScope demonstration and supporting exploration of storm water management on-site.

- Pre-Lesson Assignment: Draw your neighborhood with water and storm drains. Identify local areas of pollution.
- Introduction to Watersheds & EnviroScope Demonstration (20minutes)
- Neighborhood Watershed Show & Tell (30 minutes)
- Debrief & Wrap-Up (10 minutes)

“Native Plant Life”

Students will explore plant life around their school, from common parking lot weeds to field wildflowers, the goal of this student is to improve observation skills, learn common plant parts and function and gain appreciation for commonly overlooked species.

- Pre-assignment: Find one fallen leaf and two flowers to pick with permission. Soak a dry lima bean overnight in a bag.
- Introduction to Plant Anatomy with Lima Bean & Flower Dissection (20 minutes)
- Plant Identification Show & Tell with leaves and flowers (30 minutes)
- Results Debrief & Wrap-Up (10 minutes)

“Seasonal Survival”

Explore animal strategies of survival for winter. Students will discuss wildlife ecology accompanied by animal artifacts followed by using critical thinking skills to design and build a functional nest site for their gelatin “critters.” Will your students survive the challenge?

- Pre-Lesson Assignment: Use natural objects (leaves & sticks) to make a nest you think an animal would live in.
- Animal Survival Q&A with animal artifacts (30 minutes)
- Animal Nest Show & Tell (20 minutes)
- Debrief & Wrap-Up (10 minutes)





“Digging Geology”

There’s more to rocks than meets the eye. Learn the importance of minerals in our lives and how to geologists classify them through hands-on, empirical methods.

- Pre-Assignment: At-Home Mineral Scavenger Hunt worksheet
- Introduction to Rocks vs. Minerals with Fossils (15mins)
- Mineral Identification Q&A with Scavenger Hunt results (40 minutes)
- Wrap-Up (5 minutes)

