

Part III: Wetland Walk Educational Kit Outline and Supplemental Activities

Why do we provide the Educational Kit?

This activity kit is designed to familiarize your students with topics presented in the “Wetland Walk” field trip, and to provide a depth of experience and opportunity to apply knowledge after the trip. The activities within this kit will give your students a better understanding of such topics as **adaptations, the wetland habitat, change in environments, and data collection** using unique artifacts and hands-on exploration. They are designed to build a strong background for the field trip itself, thereby enhancing your students’ outdoor experience.

How does it work?

We recommend that these activities are done in the order that they are presented, for a more comprehensive understanding of relevant concepts. These activities can be adjusted to different age or learning groups. If you feel that your students could benefit from more written analyses, the kit’s curriculum includes extensional writing prompts with particular activities, which help to further understanding and scientific observational skills.

Wetland Kit Contents

1. Supplemental Activity Curriculum Descriptions
2. Materials to support curriculum
3. Visual Aids to support curriculum, including habitat photos, diagrams, and worksheets
4. Artifacts to let students get up close and personal with wetland plants and animals

List of Activities and Key Concepts Covered

1. **Bill Nye Wetlands DVD** - *Wetland habitat and ecosystem values*
This DVD and its related activity help students further understand the important roles wetlands play in our lives and how we can better care for them.
2. **Building a Wetland*** - *Wetland values*
This activity builds on the Bill Nye video using modeling to show the values of wetlands. (the kit does not include the materials for this activity as they are highly single use, however the materials are easy to come by and relatively inexpensive)
3. **Neary Bird Guide** - *Adaptations, identification skills*
Students learn about different local birds and create their own field identification cards.

4. **Using Binoculars** - *Identification/observation skills, using scientific equipment*
Students practice using binoculars in the classroom to hone skills prior to using them on the field trip.
5. **Bird Beak Buffet** - *Adaptations, ecological niche*
Students use stimulated beak types to pick up different food sources to show importance of beak adaptations.
6. **History of Neary Lagoon** - *Changing environments, adaptations*
Students learn the history of neary lagoon using a timeline in the classroom.
7. **Wetland Draw Along** - *Changing environments, wetland values*
Students follow along with teacher in learning the flow of wetlands through different scenarios.
8. **Importance of Wetlands** - *Wetland values*
This activity reviews the classroom presentation covering the 6 reasons why wetlands are important.
9. **Bird Report*** - *Adaptations, data, research*
Students pick a local bird and do a research report on it
10. **Migration Hopscotch** - *Wetland values, data collection*
Students learn the challenges of bird migrations and the important roles wetlands play in this annual event.
11. **“Who Am I” Game** - *Adaptations*
Students play 20 questions to try to figure out what animal identity they have been given.

* These activities are described below. The Wetland Kit includes the visual aids and materials for all activities, but many can be recreated with materials in most classrooms.