



**Audubon Community
Nature Center**

**1600 Riverside Road
Jamestown, NY 14701**

**auduboncnc.org
(716) 569-2345**

Audubon Classroom Programs - NY and PA

Before the Audubon presenter comes:

Please review the Curriculum Integration Guide information and materials with your class. We don't need you to teach the lesson, but it helps if students have some basic background in the concepts that we are teaching.

When the Audubon presenter is in your class:

Please remember that we are guests in your school. We appreciate you being present during the lesson, helping with discipline and making connections between our lesson and other things that your students are doing.

After the Audubon presenter leaves:

Please keep the learning going. There is a post visit activity to do, along with many other ways to keep the students learning.

There is a teacher survey at <http://auduboncnc.org/classroomevaluation> that you can complete to tell us how we are doing and what we can do to better suit your needs.

Incredible Insects

Curriculum Integration Guide

Pre-visit Activity

Students will get the most out of this program if they are prepared for having a visitor. Review appropriate behavior, such as listening, taking turns, following directions.

Extend the learning

- Make up more verses for the Insect Song that is on the back of this sheet.
- Capture creepy crawlies from your playground. Put them in a container to observe for a day. Be sure to have a release ceremony before the children go home. Figure out which are insects and which are not.
- Build an insect snack! Use marshmallows, pretzel sticks, raisins, almond slivers, etc. to build snacks that look like insects.
- Ant farms, butterfly kits, and other insect kits are available in catalogs. Raise some insects for observation in your classroom.
- Use a variety of materials to create insect costumes for the children to wear. Headbands can be fitted with antennae. Poster board can be cut in wing shapes and fitted with elastic bands that children can slip their arms through.

Books for students

- *Are You A Ladybug?* – Judy Allen. This book is part of a series of books on insects. Each one explains the whole life cycle of the insect with wonderful illustrations.
- *See How They Grow: Butterfly* – Kim Taylor. Beautiful isolated photos and simple text explain the life cycle of a butterfly.

New York State Science Learning Standards

LS1.A: Structure and Function All organisms have external parts. Different animals use their body parts in different ways to see, hear, grasp objects, protect themselves, move from place to place, and seek, find, and take in food, water and air. Plants also have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow.

This program also addresses P-LS1-1, P-LS1-2, P-LS1-3 and LS1.C

PA Environmental Education Standard

4.7.4 b.1 – Explain how specific adaptations can help a living organism to survive.

Objectives of the program

Students will learn that insects are animals. There are many kinds of insects. All insects have 3 body parts (head, thorax, abdomen) and 6 legs.



Other resources

- *1001 Questions Answered about Insects* – Alexander and Elsie Klots. This is not a field guide. It won't help you identify insects. But it is full of fascinating information. (Available in our Nature Store.)
- Do a web search on insects, or on a particular insect you wish to study. You will be amazed at the number of sites devoted to insects.
- Insect Lore: insectlore.com an on-line store and more. Insect info, activities, and store.

Insect Song (to the tune of *Frere Jacques*)

Crawling Beetle, crawling beetle
On the ground, on the ground.
Crawling, crawling, crawling
Crawling, crawling, crawling,
All around, all around.

Hopping grasshopper, hopping grasshopper
In the grass, in the grass.
hopping, hopping, hopping,
hopping, hopping, hopping,
Very fast, very fast.

Busy bumble bee, busy bumble bee
in the air, in the air
flying, flying, flying,
flying, flying, flying,
Buzzing here, buzzing there.

Head, Thorax, Abdomen (to the tune of *Head, Shoulders, Knees, and Toes*)

Head, Thorax, Abdomen, Abdomen.
Head, Thorax, Abdomen, Abdomen.
Six legs, antennae, and an exoskeleton.
Head, Thorax, Abdomen, Abdomen.

Incredible Insects

Post-Visit Guide

Today you learned about insects.

An insect has 3 body parts called head, thorax, and abdomen.

An insect has 6 legs attached to the thorax.

An insect has 2 compound eyes and 2 antennae on its head.

Some insects have 2 wings. Some have 4.

Wings are attached to the thorax, too.

Add legs, antennae, compound eyes,
wings, and color to this insect.

