



School Program Name: Insect Adventure
Name of Sanctuary: Stony Brook
Grade Level: PreK-2
Location Options: At sanctuary
Time: 2 hours
For more info: stonybrook@massaudubon.org or
508-528-3140

Program Description

Creep, crawl, and scoop in search of insects. Investigate the habitats where insects live and learn about their physical features, adaptations, and life cycles. Using nets and bug boxes, discover the variety of insect life in Stony Brook's pond, forest, and field.

Massachusetts Curriculum Frameworks

Framework: Science and Technology
Strand: Life Science
Topic: Characteristics of Living Things
Living Things and Their Environment

Learning Standards

Characteristics of Living Things

PreK-2 Life Science #2: Differentiate between living and nonliving things. Group both living and nonliving things according to the characteristics that they share.

PreK-2 Life Science #3: Recognize that plants and animals have life cycles, and that life cycles vary for different living things.

Living Things and Their Environment

PreK-2 Life Science #8: Identify the ways in which an organism's habitat provides for its basic needs (plants require air, water, nutrients, and light; animals require food, water, air, and shelter).

Massachusetts Curriculum Frameworks

Framework: English Language Arts
Strand: Language
Topic: Questioning, Listening, and Contributing

Learning Standards

Questioning, Listening, and Contributing



PreK-12 Language #2: Students will pose questions, listen to the ideas of others, and contribute their own information or ideas in group discussions or interviews in order to acquire new knowledge.

Lesson Objectives

What will students know and be able to do? These objectives must be observable and measurable.

Students will know and be able to:

- Name the characteristics of an insect.
- Describe some of the life cycle of insects.
- Observe differences and similarities in insects and non-insects found in field and forest habitats.

Vocabulary

Thorax	Pupae	habitat
Abdomen	Larvae	life cycle
Metamorphosis	Gills	

Assessments

How will you know that the students have met the standards?

- Students will participate in answering Mass Audubon Educator-prompted questions
- Mass Audubon Educator will observe students exploring, observing, and identifying insects versus non-insects

Summarizer

How will the Mass Audubon Educator close the lesson to see if students met the objectives?

- Students will participate in answering Mass Audubon Educator-prompted questions



Mass Audubon School Programs

At Mass Audubon we strive to create learning experiences that are enriching, innovative, meaningful, and engaging. All our school programs are aligned with Massachusetts Curriculum Frameworks. Our network of wildlife sanctuaries and nature centers located in urban, suburban, and rural communities around the state enable us to have strong relationships with local schools.

Our Education Foundations

- Place-based education is an educational philosophy that connects learning to what is local for an individual. We help build conservation communities, working with students and teachers in cities and towns to develop place-based environmental education that is linked directly to their home community.
 - Inquiry-based learning is focused on teamwork, being learner-centered, questioning ourselves and the world around us, providing a more focused, time-intensive exploration, promoting lifelong learning, communication, and learning as fun.
 - We are fully committed to creating a positive and supportive environment for all learners.
 - We strive to be culturally sensitive, recognizing and embracing cultural differences.
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Differentiated Instruction

- We strive to create a positive learning environment that is inclusive, supportive to all learners, and sensitive to cultural diversity.
 - Outdoor classroom experiences are structured to meet the needs of the particular learners.
 - Students work in small groups using hands-on materials.
 - A variety of educational media are used, including colorful illustrations.
 - With advance notice, efforts will be made to accommodate all learning styles and physical needs.
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Notes

- Nature exploration is dependent upon the weather and other conditions. A class might observe different wildlife than they expected to see. An outdoor lesson can sometimes provide unexpected, but enriching teachable moments on a natural history topic that was not planned.
- Mass Audubon nature centers each have a unique landscape and will customize programs to work best at their particular site.
- Our lessons can be adapted to incorporate a classroom teacher's needs.

