



<b>School Program Name:</b>	<b>Senses Galore</b>
<b>Name of Sanctuary:</b>	Moose Hill Wildlife Sanctuary
<b>Grade Level:</b>	Grades PreK-2
<b>Location Options:</b>	At the sanctuary or your site
<b>Time:</b>	2 hours combine with a second program for a full-day field trip
<b>For more info:</b>	<a href="mailto:moosehilledu@massaudubon.org">moosehilledu@massaudubon.org</a>

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### Program Description

On your Moose Hill adventure children will experience the natural world through their five senses just like wild animals do. Children will use “different eyes” to see like a hawk or an insect, test their noses as they follow a scent trail, and play a game of “owl hears”. As students explore their five senses they will learn how different animals use their senses to survive in the wild.

Significant savings are offered when you select a second program to create a full-day of hands-on learning at Moose Hill. This program combines well with Signs of the Season, Homes are Habitats, or Indian Pathways. Because of our large trail system and full-day option, we can serve up to 130 students for many programs. We provide a ratio of one Moose Hill teacher-naturalist to 12 to 14 students.

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### Massachusetts State Curriculum Frameworks

<b>Subject:</b>	Science and Technology
<b>Topic:</b>	Life Science

### Learning Standards

#### Characteristics of Living Things

PreK-2 Life Science #1: Recognize that animals (including humans) and plants are living things that grow, reproduce, and need food, air, and water.

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

#### Living Things and Their Environment

PreK-2 Life Science #6: Recognize that people and other animals interact with the environment through their senses of sight, hearing, touch, smell, and taste.

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).

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### Massachusetts State Curriculum Frameworks

<b>Subject:</b>	Science and Technology
<b>Topic:</b>	Physical Science

### Learning Standards





### Observable Properties of Objects

PreK-2 Physical Science #1: Sort objects by observable properties such as size, shape, color, weight, and texture.

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### Massachusetts State Curriculum Frameworks

**Subject:** Arts

**Topic:** Visual Arts

### Learning Standards

#### Observation, Abstraction, Invention, and Expression

PreK-12 Visual Arts #3: Students will demonstrate their powers of observation, abstraction, invention, and expression in a variety of media, materials, and techniques.

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### Massachusetts State Curriculum Frameworks

**Subject:** Comprehensive Health

**Topic:** Personal & Community Health

### Learning Standards

#### Ecological Health

PreK-12 Health #13: Students will gain knowledge of the interdependence between the environment and physical health, and will acquire skills to care for the environment.

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### Massachusetts State Curriculum Frameworks

**Subject:** English Language Arts

**Topic:** Language

### Learning Standards

#### Discussion

PreK-12 Language #1: Students will use agreed-upon rules for informal and formal discussions in small and large groups.

#### 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.

#### Vocabulary and Concept Development

PreK-12 Language #4: Students will understand and acquire new vocabulary and use it correctly in reading and writing.



## Lesson Objectives

Students will know and be able to:

- Children will learn how we use all our senses to fully explore our natural world.
  - Students will be able to identify how wild animals have different reasons for using their five senses.
  - Students will be able to explain why animals depend on their senses.
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## Vocabulary

senses	protection	mammal
birds	insect	texture
scent/smell	compound eyes	Survival

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## Assessments

How will the Mass Audubon educator know that the students have met the standards?

- Mass Audubon educator will observe students exploring, observing, and identifying the five senses.
  - Students will participate in answering teacher prompted questions.
  - Students will demonstrate their understanding of five senses and how animals use them by participating in a wrap-up activity.
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## Summarizer

How will the Mass Audubon educator close the lesson to see if students met your objective?

- Children will participate in a discussion of how animals use the five senses in different ways to survive in the wild.
  - Students will participate in games and activities that focus on one sense at a time and they will be able to identify how animals use their senses.
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## 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.

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## 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 when given enough notice.

