



MOORE FARMS
botanical garden

SCHOOL PROGRAMS CATALOG

Kelli Meeker

Youth and Outreach Coordinator



MOORE FARMS
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School Programs Catalog

Moore Farms Botanical Garden

Basic Information:

- Cost: **Free of charge**
- We **require at least 2 weeks' notice** for field trip bookings, though we prefer more advance notice (Unless otherwise specified on field trip list).
- **Maximum of 60 students per day.**
- **One adult is required per ten students** to ensure a safe and fun environment. No extra adults will be permitted.
- Field trips are **1-1.5 hours** not including pick-up/drop-off.
- Field trips can occur anywhere between 8:30am and 3pm.
- Lunch: If you would like to bring sack lunches, please inform the Youth and Outreach Coordinator when you book your field trip.
- Booking: All programs are booked through Kelli Meeker at kmeeker@moorefarmsbg.org or by phone (843) 210-7582.
- Most programs can be adjusted to match each grades standard requirements. If you see a program you like but it's not listed under the grade you teach, please don't hesitate to ask to see if it's possible for your class.

Questions: Contact Kelli Meeker at kmeeker@moorefarmsbg.org or by phone at (843) 210-7582.

Each program can be tailored to match teachers needs and requirements.



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Grade Level 1 – 2

Roots to Seed	
Capacity: Approx. 60 per time slot	Topic: Plant Parts
It's all about plants! Explore the parts of a plant by using our natural setting as the classroom. Students will discover the structure and function of each plant part by engaging in hands-on activities throughout the garden, from completing leaf rubbings to harvesting right out of our vegetable garden. At the conclusion of our program, students will get to taste different edible plant parts.	
Standards: 1st grade: 1.L.5A.1, 1.L.5B.1, 1.L.5B.2, 1.L.5B.3, 1.E4B.1 2nd grade: 2.L.5A.1, 2.L.5A.2, 2.L.5A.3, 2.L.5B.1, 2.L.5B.2, 2.L.5B.3	
Availability: FALL, SPRING	

Habitats are Homes	
Capacity: Approx. 60 per time slot	Topic: Life Science, Adaptations
Students will learn about different habitats and the living things within them by surveying garden areas including a native pine forest. They will use their observation skills and senses to complete this journey.	
Standards: 1st grade: 1.L.5A.1, 1.L.5B.1, 1.L.5B.2, 1.L.5B.3, 1.E4B.1, 2nd grade: 2.L.5A.1, 2.L.5A.2, 2.L.5A.3, 2.L.5B.1, 2.L.5B.2, 2.L.5B.4	
Availability: FALL, WINTER, SPRING	

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Grade Level 3 – 4

The Soil Hunt	
Capacity: Approx. 60 per time slot	Topic: Geology, Soil
Join the great soil hunt! Students travel to different learning stops throughout the garden. Each stop focuses on a different element of geology and soil science, such as soil composition, erosion and rock types. Students will use tools, the scientific method and experimentation to get through this adventure. Each child will receive a prize at the end of the program.	
Standards: 3rd grade: 3.E.4A.1, 3.E.4A.2, 3.E.4B.1, 3.E.4B.2, 3.L.5A.1, 3.L.5A.2, 3.L.5B.3 4th grade: 4.E.2A.1, 4.E.2A.2	
Availability: FALL, WINTER, SPRING	

Insects: Heros, Villains and Vandals	
Capacity: Approx. 60 per time slot	Topic: Adaptations, Environmental Science
Come explore the ins and outs of invertebrates. Learn about insect habitats and the adaptations that help them survive. During this program students will discover different insects found in the garden, how these creatures impact the world around us and even have an encounter with our resident bee hives. Each student will pot up a plant to take home.	
Standards: 3rd grade: 3.L.5A.2, 3.L.5B.1, 3.L.5B.2, 3.L.5B.3 4th grade: 4.L.5A.1, 4.L.5B.1, 4.L.5B.2, 4.L.5B.3	
Availability: FALL, WINTER, SPRING	

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What's a Horticulturist? Beginner

Capacity: Approx. 30 per time slot	Topic: Plant Adaptations, Ecosystem Studies
The job of a Horticulturist can be crazy! Learn about what these gardening experts do and how they use some of the special survival skills that plants have to make our garden beautiful.	
Standards: 3rd grade: 3.L.5A.2, 3.L.5B.1, 3.L.5B.2, 3.L.5B.3 4th grade: 4.L.5A.1, 4.L.5A.2, 4.L.5A.4, 4.L.5B.1, 4.L.5B.3	
Availability: FALL, LATE SPRING (APRIL-JUNE)	

Gardening 101

Capacity: Approx. 60 per time slot	Topic: Plant Lifecycle, Plant Care
This program introduces students to concepts that will enable them to care for plants. From the plant lifecycle and plant needs to seasonality and hardiness zones, students will gain a wealth of knowledge through hands-on activities and exploration in many different areas in the garden. Each student will plant a seed to take home and watch grow. This is a particularly good program for groups who have or are starting a garden or plant project at their school.	
Standards: 4th grade: 4.P.4A.4, 4.L.5A.1, 4.L.5A.2, 4.E.2B.3	
Availability: FALL, WINTER, SPRING	

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More Trees Please

Capacity:

Approx. 60 per time slot

Topic: Tree Structure, Food Web

Come discover just how important trees are to humans and the environment as a whole. We will learn the structure and function of trees, the integral role they play in different ecosystems, and the many ways we use tree products on a daily basis. Students will take home a tree cookie. This is a great program around Arbor Day or Earth Day.

Standards:

3rd grade: 3.L.5A.1, 3.L.5A.2

4th grade: 4.L.5A.1, 4.L.5B.2

Availability: FALL, WINTER, SPRING

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Grade Levels 5 – 6

The Ecology of a Garden	
Capacity: Approx. 60 per time slot	Topic: Plant Adaptations, Ecosystem Studies
This program teaches students about the interconnectedness of abiotic and biotic parts that make our garden possible. Students will be introduced to the garden as an ecosystem through various outdoor activities. We will discover adaptations that aid in plants (and animal) survival and learn how ecology has influenced the practice of gardening.	
Standards: 5th grade: 5.L.4A.1, 5.L.4A.2, 5.L.4B.1, 5.L.4B.2, 5.L.4B.3, 5.L.4B.4 6th grade: 6.L.4B.2, 6.L.5B.4	
Availability: FALL, WINTER, SPRING	

Seeing Green	
Capacity: Approx. 60 per time slot	Topic: Plant Adaptations, Ecosystem Studies
Student will discover some of the major differences that organize the plant kingdom. Covering the gamut of producer, consumer and decomposer, all the way to the seed bearing plants, they will learn principles of classification with hands-on activities.	
Standards: 5th grade: 5.L.4A.2, 5.L.4B.1, 5.L.4B.3 6th grade: 6.L.4A.1, 6.L.4A.2, 6.L.5B.3	
Availability: LATE FALL, WINTER, SPRING	

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What's a Horticulturist? Advanced

Capacity: Approx. 60 per time slot	Topic: Plant Adaptations, Ecosystem Studies
Examine what it means to be a Horticulturist and how we use plant adaptations to our advantage. This includes the use of artificial selection and asexual reproduction in the gardening world. Students will learn how the anatomical structures of plants play a role in propagation and selection. Each student will get hands-on experience with different types of propagation in our greenhouse.	
Standards: 5th grade: 5.L.4A.2, 5.L.4B.1, 5.L.4B.3 6th grade: 6.L.4A.1, 6.L.5B.1, 6.L.5B.2, 6.L.5B.3 7th grade: 7.L.3A.2, 7.L.4A.6	
Availability: FALL, WINTER, SPRING	

Water Quality

Capacity: Approx. 60 per time slot	Topic: Water quality, Life Science, Ecology, Sustainability, Scientific Method
This program teaches students the basics about water quality covering pH, salinity, alkalinity and macroinvertebrates. Students will use their observation and experimental skills to test water and determine its quality. They will also learn the affects water quality has on plants and the garden in general. Challenges they will encounter include forming a hypothesis, conducting experiments and forming conclusions based on their data collected.	
Standards: 6th grade: 6.S.1A.1, 6.E.2A.3, 6.L.4B.1, 6.L.5B.1, 6.L.5B.2	
Availability: FALL, WINTER, SPRING	

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Gardening 101	
Capacity: Approx. 60 per time slot	Topic: Plant Lifecycle, Plant Care
This program will dive into the mechanics of plant care, specifically vegetable gardening. Students will learn about the methods of gardening and practice techniques for growing a thriving vegetable garden. Each student will plant seeds to take home and watch grow. This is a particularly good program for groups who have or are starting a garden or plant project at their school.	
Standards: 5 th grade: 5.L.4B.4 6 th grade: 6.L.5B.3	
Availability: FALL, WINTER, SPRING	

More Trees Please	
Capacity: Approx. 60 per time slot	Topic: Tree Structure, Food Web
Come discover just how important trees are to humans and the environment as a whole. We will dig deeper into the role that trees play in the environment and the ramification of deforestation and natural resource depletion. Students will take home a tree cookie. This is a great program around Arbor Day or Earth Day.	
Standards: 5 th grade: 5.L.4B.1, 5.L.4B.2, 5.L.4B.4, 5.E.3B.3 6 th grade: 6.L.5B.1	
Availability: FALL, WINTER, SPRING	

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Grade Levels 7 – 12

Water Quality Survey	
Capacity: Approx. 30 per time slot	Topic: Life Science, Ecology, Sustainability, Scientific Method
Students will use the scientific method to investigate the connection between organisms that live in water and water health. By harvesting water samples, we will learn how to identify aquatic invertebrates, conduct chemical assessments and analyze data to determine our findings. In the classroom, you can use the data students collected to compare with results from local watersheds.	
Standards: 7th grade: 7.P.2B.4, 7.L.3B.1, 7.EC.5A.3, 7.EC.5B.17.EC.5B.3 8th grade: 8.S.1A.1, 8.S.1A.2, 8.S.1A.3, 8.S.1A.4, 8.E.6B.1 9th-12th grade: H.B.6A.1, H.B.6A.2, H.B.6B.1, H.B.6D.1, H.E.1A.1, H.E.1A.2, H.E.1A.3, H.E.1A.4, H.E.1A.5, H.E.1A.6, H.E.1A.7	
Availability: FALL, WINTER, SPRING	

Living Architecture	
Capacity: Approx. 30 per time slot	Topic: Sustainability, Scientific Method, Life Science
Using the MFBG green roof trail plots, students will utilize observation skills and learn to use systematic sampling methods to collect data. Through graphing and analyzing data, students will determine when a green roof is most effective, what plants work best and whether green roofs help with water conservation and land management.	
Standards: 7th grade: 7.S.1A.1, 7.S.1A.47.S.1A.5, 7.EC.5A.2 8th grade: 8.S.1A.1, 8.S.1A.2, 8.S.1A.3, 8.S.1A.4, 8.E.6B.1 9th-12th grade: H.B.6A.1, H.B.6A.2, H.B.6B.1, H.B.6D.1, H.E.1A.1, H.E.1A.2, H.E.1A.3, H.E.1A.4, H.E.1A.5, H.E.1A.6, H.E.1A.7	
Availability: FALL, WINTER, SPRING	

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General Tour	
Capacity: Approx. 30 per time slot	Topic: General Garden
A leisurely, educational walk through the garden. Each tour is focused on seasonal highlights. Tours are 1-2hrs, depending on class size and scheduling.	
Standard: Based on teacher preference.	
Availability: FALL, WINTER, SPRING	

Each program can be tailored to match teachers needs and requirements.