FIELD Investigations

Academic Year
2022-2023

MAYMONT
Bring classroom lessons to life with a trip to Maymont!

Through Field Investigations, Maymont’s talented educators provide active learning opportunities to incorporate into your curriculum framework during the school year across our 100-acre campus. Our educators offer experiential, hands-on adventures that immerse students in the wonders of the natural world, and in the dramatic economic, social and technological changes of the early 20th century. Come explore The Robins Nature Center to discover the remarkable ecology in the “Run of the River” exhibition. Discover stories about the lives of the people who lived and worked in this 33-room mansion during the Gilded Age and Jim Crow era. All programs align with the Virginia Standards of Learning (SOLs) and Common Core standards for science or history/social studies.

Visit Maymont.org/field-investigations to schedule your upcoming trip to Maymont! Questions? Contact our Program Support Assistant at registrar@maymont.org or 804-358-7166, ext. 304.

**TABLE OF CONTENTS**

**Elementary School**
- Kindergarten 2  
- First Grade 3  
- Second Grade 4  
- Third Grade 5  
- Fourth Grade 6  
- Fifth Grade 6  

**Middle School**
- Sixth Grade 8  
- Seventh Grade 9  
- Eighth Grade 10  

**High School**
- Grades Nine to Twelve 12  

registrar@maymont.org
**Richmond Then and Now:**
Through the Lens of Maymont

Subject: Primary Level History and Social Science

SOL: k.1 and k.2

Maximum: 90 students

Length: 45-90 minutes

Investigate inventions from the late 1800s and learn about the people who made up the Richmond community during the Gilded Age, turn of the century and Jim Crow Era. Explore Maymont to compare and contrast life in the past and present through digital experiences, primary sources and artifacts.

**Plant and Creature Features**

Subject: Science

SOL: k.5

Maximum: 120 students

Length: 45-90 minutes

Claws, feathers, thorns, scales and shells… every animal and plant is unique! Learn about special adaptations that allow for animals and plants to survive and thrive, through group activities and real-life encounters with live animals.

**Plant and Creature Features**

Subject: Science

SOL: k.6 and k.7

Maximum: 120 students

Length: 45-90 minutes

Experience a farm animal encounter to learn about their unique features and daily care, and visit Marie’s Butterfly Garden and Jack’s Vegetable Garden to learn about general plant science and how to grow your own food.

**Hooray for Habitats**

Subject: Science

SOL: k.6, k.7, k.10 and k.11

Maximum: 120 students

Length: 45-90 minutes

Every animal needs a habitat to thrive! Learn about the many Virginia habitats and the food, water, shelter and space required for animals to grow, reproduce and survive.

**Richmond Then and Now:**
Through the Lens of Maymont

Subject: History and Social Science

SOL: 1.1, 1.2, 1.3, 1.7, 1.9 and 1.13

Maximum: 90 students

Length: 45-90 minutes

Is a mouse’s life cycle similar to that of a frog? Do apple seeds ever grow into strawberries? Dive into the fascinating world of life cycles for plants with assistance from Maymont’s animals.

**Barnyard Basics**

Subject: Science

SOL: 1.5 and 1.7

Maximum: 120 students

Length: 45-90 minutes

Experience a farm animal encounter to learn about their unique features and daily care, and visit Marie’s Butterfly Garden and Jack’s Vegetable Garden to learn about general plant science and how to grow your own food.

**Plant and Creature Features**

Subject: Science

SOL: 1.4 and 1.5

Maximum: 120 students

Length: 45-90 minutes

Claws, feathers, thorns, scales and shells… every animal and plant is unique! Learn about special adaptations that allow for animals and plants to survive and thrive, through group activities and real-life encounters with live animals.

**Hooray for Habitats**

Subject: Science

SOL: 1.5, 1.7 and 1.8

Maximum: 120 students

Length: 45-90 minutes

Every animal needs a habitat to thrive! Learn about the many Virginia habitats and the food, water, shelter and space required for animals to grow, reproduce and survive.

**Barnyard Basics**

Subject: Science

SOL: 1.5 and 1.7

Maximum: 120 students

Length: 45-90 minutes

Experience a farm animal encounter to learn about their unique features and daily care, and visit Marie’s Butterfly Garden and Jack’s Vegetable Garden to learn about general plant science and how to grow your own food.
Richmond Then and Now: Through the Lens of Maymont
Subject: History and Social Science
SOL: 2.1, 2.2, 2.7, and 2.10
Maximum: 90 students
Length: 45-90 minutes

Investigate how communities solve problems through technological advances in indoor plumbing and electricity. Learn what it means to be a community on the river, from the first Indigenous population to the people who made up two Richmond communities, Maymont and Jackson Ward. Explore Maymont to compare and contrast life in the early 20th century versus the present through digital experiences, primary sources and artifacts.

Plant and Creature Features
Subject: Science
SOL: 3.4
Maximum: 120 students
Length: 45-90 minutes

Claws, feathers, thorns, scales and shells...every animal and plant is unique! Learn about adaptations that allow for animals and plants to survive and thrive, through group activities and animal encounters.

Hooray for Habitats
Subject: Science
SOL: 3.4, 3.5, 3.6, and 3.8
Maximum: 120 students
Length: 45-90 minutes

Every animal needs a habitat to thrive! Learn about the many Virginia habitats and the food, water, shelter and space required for animals to grow, reproduce and survive.

Wetland Exploration
Subject: Science
SOL: 3.5, 3.6 and 3.8
Maximum: 120 students
Length: 45-90 minutes

Get your hands dirty and learn about the importance of wetlands! Use dip nets to safely capture and observe aquatic creatures, and learn about the importance of sub-aquatic vegetation for habitats and water quality. Through interactive technology, students will identify their watershed and discuss how wetlands are essential for a healthy James River.

Life Cycles
Subject: Science
SOL: 2.4
Maximum: 120 students
Length: 45-90 minutes

Is a mouse's life cycle similar to that of a frog? Do apple seeds ever grow into strawberries? Dive into the fascinating world of life cycles for animals and plants with assistance from Maymont’s animals.

Hooray for Habitats
Subject: Science
SOL: 2.5 and 2.7
Maximum: 120 students
Length: 45-90 minutes

Every animal needs a habitat to thrive! Learn about the many Virginia habitats and the food, water, shelter and space required for animals to grow, reproduce and survive.
Richmond Then and Now: Resources, Railroads and Advocacy
Subject: History and Social Science
SOL: VS.1, VS.2, VS.8, VS.9, USI.1, USI.2, USII.1, USII.2, USII.3, USII.4, USII.6
Maximum: 90 students
James Dooley played a major role in the railroad business in Richmond and beyond. Investigate the transportation of goods and people by railroad and the social impact of accessibility during the Gilded Age and Jim Crow era by exploring Maymont. Participants will compare and contrast life in the past versus the present through digital experiences, primary sources and artifacts.

Habits of Virginia
Subject: Science
SOL: 4.3
Maximum: 120 students
Length: 45-90 minutes
What makes Virginia beautiful are things that also provide homes for native animals and plants! Learn about different regions of Virginia, the diverse natural resources in these regions, and how plants and animals thrive when they have access to space, food, water and shelter.

Wonders of Watersheds
Subject: Science
SOL: 4.2, 4.3 and 4.8
Maximum: 120 students
Length: 45-90 minutes
Do you know your watershed address? Through hands-on experiences and interactive technology, students will interact directly in the resource, Maymont’s watershed, to learn about their own, to identify major pollutants that threaten water quality, and to understand how pollution impacts the lives of native flora and fauna.

Adaptations: A Game of Survival
Subject: Science
SOL: 4.2 and 4.3
Maximum: 120 students
Length: 45-90 minutes
It’s a tough world out there! Animals and plants use a wide spectrum of adaptations to avoid conflict and thrive. Through group activities and with the assistance of Maymont’s animals, students will learn how camouflage and physical and behavioral characteristics help protect Virginia’s native animals and plants, and keep them alive.

Ecosystem Energy Flow
Subject: Science
SOL: 4.3 and 4.8
Maximum: 120 students
Length: 45-90 minutes
What food fuels animals at Maymont? Explore energy chains, the habitats where these cycles occur and the adaptations of various animals to help them secure food or avoid becoming lunch.

Fifth Grade

Maymont Then and Now: Resources, Railroads and Advocacy
Subject: History and Social Science
SOL: VS.1, VS.2, VS.8, VS.9, USI.1, USI.2, USII.1, USII.2, USII.3, USII.4, USII.6
Maximum: 90 students
James Dooley played a major role in the railroad business in Richmond and beyond. Investigate the transportation of goods and people by railroad, and the social impact of accessibility during the Gilded Age and Jim Crow era by exploring Maymont. Participants will compare and contrast life in the past and present through digital experiences, primary sources and artifacts.
**SEVENTH GRADE**

**Adaptations: A Game of Survival**
Subject: Science
SOL: LS.6 and LS.7
Maximum: 120 students
Length: 45-90 minutes

It’s a tough world out there! Animals and plants use a wide spectrum of adaptations to avoid conflict and thrive. Through group activities and animal encounters, students will learn how camouflage and physical and behavioral characteristics help protect Virginia’s native animals and plants, and the many behaviors that keep them alive.

**Ecosystem Energy Flow**
Subject: Science
SOL: LS.4 and LS.5
Maximum: 120 students
Length: 45-90 minutes

What food fuels animals at Maymont? Explore energy chains, the habitats where these cycles occur, and the adaptations of various animals to help them secure food or avoid becoming lunch.
What Lies Beneath the Gilded Age?
African American Resilience and Women’s Suffrage

Subject: History and Social Science
SOL: Vary depending on grade level
Maximum: 75 students

Through digital experiences, and by examining primary sources and artifacts, students will leave with a better understanding of the women’s suffrage movement in Richmond and the impact of Jim Crow laws on Maymont’s African American domestic staff.

Wonders of Watersheds

Subject: Science
SOL: ES.6, ES.8 and ES.10
Maximum: 120 students
Length: 45-90 minutes

Do you know your watershed address? Get your hands dirty directly in the natural resource, Maymont’s watershed, to learn about your own, to identify major pollutants that threaten water quality, and to understand how pollution impacts the lives of native flora and fauna.

Skull Lab and Ecosystem Dynamics

Subject: Science
SOL: BIO.6, BIO.7, BIO.8
Maximum: 120 students
Length: 45-90 minutes

Ever find an animal skull in the woods? Observe and discuss physiological differences of skulls among omnivores, carnivores and herbivores native to Virginia and gain a deeper understanding of the structure and purpose of specific teeth and other skull formations.

Behavioral Adaptations and Ecosystem Dynamics

Subject: Science
SOL: BIO.6, BIO.7 and BIO.8
Maximum: 120 students
Length: 45-90 minutes

Why do birds fly south during the winter? Why do some species stop migrating? How does this impact the ecosystems? Learn how animals adopt behaviors to survive in their new environment. Through an animal encounter, learn about migration, hibernation and instincts, and how these behaviors impact ecosystems.
HIGH SCHOOL PROGRAMS

What Lies Beneath the Gilded Age: Migration of Art and People
Subject: History and Social Science
SOL: Vary depending on grade level
Maximum: 75 students
Through digital experiences, and by examining primary sources and artifacts, students will leave with a better understanding of the social significance of imported Asian art during the Gilded Age and how the Great Migration of families from the South to the North influenced African American art.

What Lies Beneath the Gilded Age: Social Influence and Domestic Labor
Subject: History and Social Science
SOL: Vary depending on grade level
Maximum: 75 students
Through digital experiences, and by examining primary sources and artifacts, students will leave with a better understanding of how social circles influenced politics and domestic life during the post-Reconstruction Gilded Age and Jim Crow era.

Wonders of Watersheds
Subject: Science
SOL: ES.6, ES.8 and ES.10
Maximum: 120 students
Length: 45-90 minutes
Do you know your watershed address? Get your hands dirty directly in the natural resource, Maymont’s watershed, to learn about your own, to identify major pollutants that threaten water quality, and to understand how pollution impacts the lives of native flora and fauna.

Skull Lab and Ecosystem Dynamics
Subject: Science
SOL: (varying by grade level) LS.5, LS.6, LS.7, LS.11, BIO.6, BIO.7, BIO.8
Maximum: 120 students
Length: 45-90 minutes
Ever find an animal skull in the woods? Observe and discuss physiological differences among skulls for omnivores, carnivores and herbivores native to Virginia, and will gain a deeper understanding of the structure and purpose of specific teeth and other skull formations.

Behavioral Adaptations and Ecosystem Dynamics
Subject: Science
SOL: BIO.6, BIO.7, BIO.8
Maximum: 120 students
Length: 45-90 minutes
Why do birds fly south during the winter? Why do some species stop migrating? How does that impact the ecosystems? Learn about the many ways that animals adopt behaviors and actions to survive in their environment. Meet Maymont’s animals and learn about behavioral adaptations such as migration, hibernation and instincts, and how these behaviors impact ecosystems.