

Winter Wildlife Safari: (Available September-March) Grades: K-6


Your class will discover the winter survival behavior of plants and animals found in the park. Hands-on activities such as observing animal furs will be followed by an outdoor safari to look for signs of deer, wintering ducks, and other wildlife. (Please note: this program is completely outdoors at some parks).

Elementary Science	Intermediate Science	High School Science
K-LS1-1 K-LS1-1 K-ESS2-2 K-ESS3-1 2-LS2-2 2-LS4-1	3-LS2-1 3-LS3-2 3-LS4-4 4-LS1-1 5-LS2-1 5-PS3-1	MS-LS4-4 MS-LS2-2
		HS-LS2-6 HS-LS2-7 HS-LS2-8 HS-LS4-2 HS-LS4-4 HS-LS4-5

Contact us:

-  (631)-581-1072
-  LiEnvironmentalEd@parks.ny.gov
-  www.parks.ny.gov

For programs at Sunken Meadow or Nissequogue please contact:

-  (631) 269-4333 ext. 235

Mailing List:

If you would like to receive our quarterly environmental education calendar of public programs, please call (631) 581-1072 or text “osprey” to 42828 to receive it electronically.

SCHOOL PROGRAMS

NEW YORK STATE PARKS ON LONG ISLAND



New York State
Parks, Recreation and
Historic Preservation

parks.ny.gov

CONNECT KIDS TO PARKS FIELD TRIP GRANT

The Connect Kids to Parks Field Trip Grant Program connects New York’s school age children (pre-K through grade 12) with nature, outdoor recreation, and history by reimbursing qualifying transportation costs (bus fees) incurred by eligible entities (see below) for travel to eligible field trip locations in New York State Parks. Applications will be reviewed on a rolling basis in the order they are received, while funding is available.

To be eligible to apply for this grant, applicants must be a public school (including public charter school), BOCES, non-public school (including non-public charter school), municipality, public library, or a not-for-profit organization that serves underserved, environmental justice, and/or inner-city communities in New York State **and** be physically located within a New York State school district that receives Title I funds.

RESERVATIONS:

Field Trip Reservations: The following programs are available to help teachers meet the New York State Curriculum Standards for science. The emphasis will be a hands-on approach to learning. Children will practice problem solving skills, develop a positive attitude toward science, and increase their scientific literacy. Content and duration of educational programs can be adapted to meet your needs.

Cancellations: If you are unable to keep your reservation, please call and cancel so others may have the opportunity to attend. Failure to do so may result in loss of reservations for future programs.

Fees: \$4.00 per person. Fees apply to all students and chaperones. There is no charge for teachers, aides, or nurses. Parking fees may apply depending on the park and time of year.

STANDARDS KEY:

Domains & Disciplinary Core Ideas:

PS = Physical Science; 1. Matter and interactions, 2. Motion and stability: Forces and Interactions, 3. Energy, 4. Wave Properties

LS = Life Science; 1. From Molecules to Organisms: Structures and Properties, 2. Ecosystems: Interactions, Energy, and Dynamics 3. Heredity: Inheritance and Variation of Traits, 4. Biological Evolution: Unity and Diversity

ESS = Earth and Space Science; 1. Earth’s Place in the Universe, 2. Earth’s Systems, 3. Earth and Human Activity

ETS = Engineering, Technology, & Applications of Science; 1. Engineering Design

Team Building: (Available All Seasons) Grades: 4 - 12 & Adults

Start or end the year with team building skills that help your students or staff work together as a group to accomplish a goal. They will do challenging activities that require the group to think creatively and work together to get the job done. Emphasis will be placed on listening, communicating, and collaborating...while also having fun!

Elementary Science, Intermediate Science, and High School Science
Meets Physical Education Learning Standards 1 through 5, while building skills in working with others

Winter Bird Exploration: (Available November-March) Grades: K - 12

Students will learn to identify the wide variety of waterfowl and birds that visit our State Park’s waterways and forests during the winter months. We’ll set up spotting scopes and survey the birds’ feeding areas to observe our feathered friends. Survival adaptation will be explored using costumes (Grades: K-6) or specimen mounts (Grades: 7-12).

Elementary Science	Intermediate Science	High School Science
K-LS1-1 K-ESS2-2 K-ESS3-1 K-ESS3-3 3-LS4-2	4-LS1-1 5-LS1-1 5-LS2-1 MS-LS4-4 MS-LS4-4 (NS&R)	*Can be adapted

Seasonal Nature Walks: (Available All Seasons) Grades: K - 12

Your students will engage in a nature walk through the woodland trails to discover the changes taking place throughout the year.

Fall: Study leaf changes and discuss the different ways that plants and animals prepare for winter.

Winter: What are mammals and birds doing at this time of year? Where can they be found?

Spring: As the snow melts, observe animals and birds returning to their favorite state parks!

Summer: Discover the diversity of trees on Long Island while exploring the blooming forests.

Elementary Science	Intermediate Science	High School Science
4-LS1-1 4-LS1-2	Can be adapted	HS-LS2-2 HS-LS2-7

Sound/Bay/Ocean Studies: (Available All Seasons) Grades 4 – 12

Students will learn about the water cycle and gain an awareness for conserving and protecting our natural resources. They will discover the different ways that humans use and influence the Long Island Sound or the Great South Bay, and in turn, the Atlantic Ocean. The importance of clean water, pollution problems, and water testing can also be addressed.

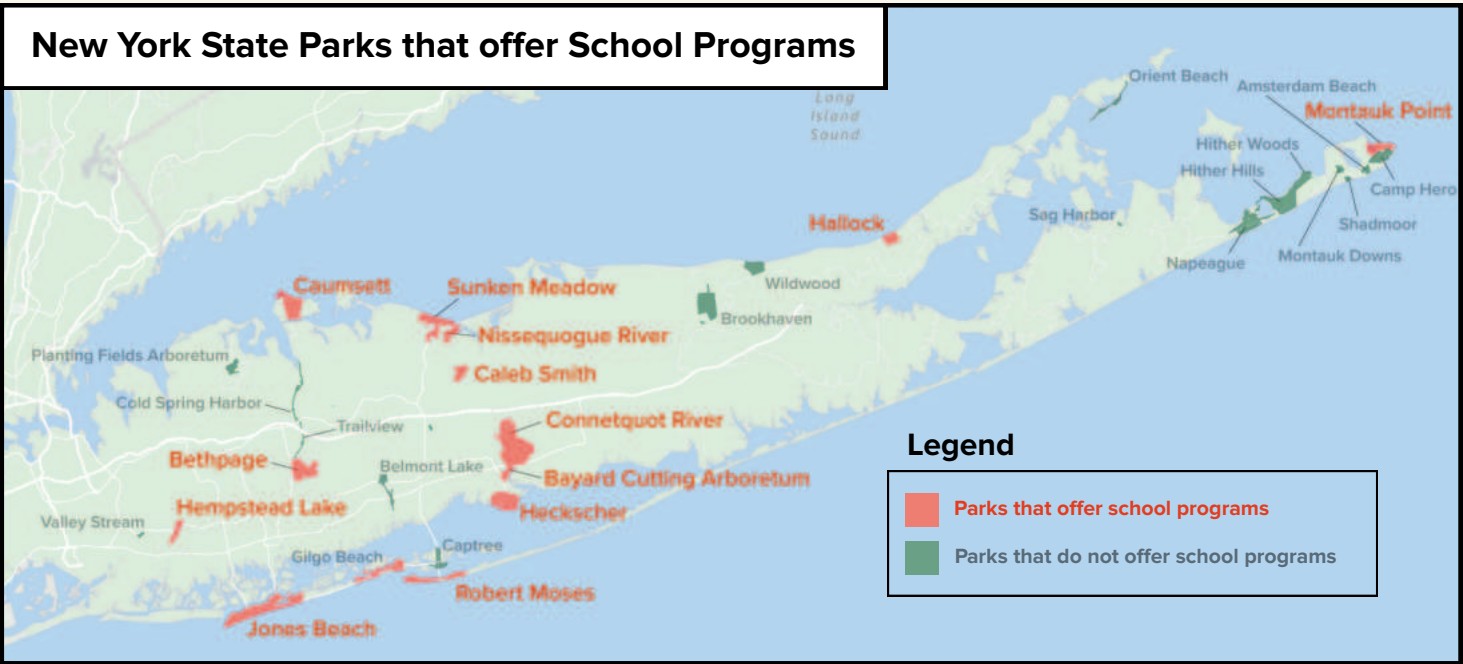
Elementary Science	Intermediate Science	High School Science
2-LS4-1 3-LS4-4 4-LS1-1	MS-ESS2-1 MS-ESS2-4	HS-LS2-7 HS-ESS1-5 HS-ESS1-6

New York State Parks that offer School Programs

Programs can be tailored to meet your needs. If a new subject or concept is not listed in this brochure, if you would like a task to be included, or if you would like to request a different park, please let us know!

Parks offering programs in this brochure	For Reservations, Call:
Caleb Smith State Park Preserve	(631) 581-1072
Caumsett State Historic Park Preserve	(631) 581-1072
Connetquot River State Park Preserve	(631) 581-1072
Heckscher State Park	(631) 581-1072
Nissequogue River State Park	(631) 269-4333 ext.235
Robert Moses State Park	(631) 581-1072
Sunken Meadow State Park	(631) 269-4333 ext.235

Additional parks that offer school programs, with their own brochure	For Reservations, Call:
Bayard Cutting Arboretum	(516) 462-3393
Hallock State Park Preserve	(631) 315-5475
Hempstead Lake State Park	(516) 766-1029
Jones Beach Energy and Nature Center	(516) 809-8222
Montauk State Park Complex	(631) 668-5000
Bethpage State Park	



Programs from this brochure	Available at the following State Parks
Butterflies and Moths	Nissequogue, Connetquot, Caumsett, Sunken Meadow, Caleb Smith
Creature Creations	Nissequogue, Connetquot, Caumsett, Sunken Meadow, Caleb Smith
Colonial History and Games	Nissequogue, Connetquot, Caumsett, Caleb Smith
Connetquot River Walk	Connetquot
Forest Discovery	Nissequogue, Connetquot, Caumsett, Heckscher, Caleb Smith, Sunken Meadow
Geology Rocks	Nissequogue, Connetquot, Sunken Meadow, Caleb Smith
Long Island Sound Walk	Nissequogue, Sunken Meadow
Pioneers in Science	Nissequogue, Connetquot, Caumsett
Pond Exploration	Connetquot, Caumsett, Caleb Smith
Salt Marsh Biology	Nissequogue, Sunken Meadow
Seashore Biology	Nissequogue, Robert Moses, Caumsett, Heckscher
Seasonal Nature Walks	Nissequogue, Connetquot, Robert Moses, Caumsett, Heckscher, Sunken Meadow, Caleb Smith
Sound/Bay/Ocean Studies	Nissequogue, Caumsett, Robert Moses, Heckscher, Sunken Meadow
Team Building	Nissequogue, Caumsett, Heckscher, Connetquot, Caleb Smith, Sunken Meadow
Winter Bird Exploration	Nissequogue, Connetquot, Robert Moses, Caumsett, Heckscher, Sunken Meadow, Caleb Smith
Winter Wildlife Safari	Nissequogue, Connetquot, Caumsett, Heckscher, Sunken Meadow, Caleb Smith

Pond Exploration: (Available April-October) Grades: K - 12

Students will discover the underwater world found in Willow Pond through hands-on sampling and field observations. A discussion about water chemistry and testing can be added for older grades. After visiting the pond, the class may go indoors to look at microscopic organisms and discuss their role in the food chain. Maximum 25 students for this program (at Connetquot).

Elementary Science		Intermediate Science	High School Science
K-2ETS1-2 2-LS4-1 2-ESS2-3 3-LS3-2 3-LS4-2	3-LS1-1 3-LS4-4 3-LS3-1 4-LS1-1 5-LS2-1 5-ESS2-2	MS-LS2-1 MS-LS2-3	HS-LS2-6

Salt Marsh/Seashore Biology: (Available April-October) Grades: K - 12

As students explore the salt marsh, they will gain a better understanding of this fascinating ecosystem. Students will learn about the importance of wetlands and how plants, animals, and humans depend on them for their well-being.

Elementary Science		Intermediate Science	High School Science
K-LS1-1 K-ESS3-1 2-LS4-1 2-ESS2-3 3-LS1-1	3-LS3-1 3-LS3-2 4-LS1-1 5-LS2-1	MS-ESS2-4 MS-ESS3-1	HS-LS2-6 HS-LS2-7 HS-LS2-8

Long Island Sound Walk: (Available April-October) Grades: 4 - 12

This is the perfect program for a view of the Sound! With a park naturalist as their guide, your students will explore the geology and ecology of the Long Island Sound on a 3-mile hike. Have your bus drop off at Sunken Meadow State Park and then hike to Nissequogue River State Park. Bring lunch, enjoy a picnic at the park, and have the bus pick you up at Nissequogue River State Park.

Elementary Science	Intermediate Science	High School Science
4-LS1-1 4-LS1-2		HS-LS2-2 HS-LS2-7

Pioneers in Science: (Available All Seasons) Grades 3-8

Students will learn about African American and Women pioneers in science. They will observe, and participate in, science experiments that portray the significant accomplishments of these scientists.

Elementary Science	Intermediate Science	High School Science
3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4 4-PS3-1 4-PS3-2	4-PS3-3 4-PS3-4 5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4	MS-PS1-7 MS-PS1-8

Butterflies and Moths: (Available April-October) Grades: K-3

Students will discover the secrets of their life cycle, the amazing ways that they ward off enemies, and how they survive during winter. There will be an indoor presentation that includes your students dressing in costumes to learn about insect body parts. Afterwards, your students will go on a short walk to have the opportunity to observe these insects in the wild.

Elementary Science	Intermediate Science	High School Science
K-LS1-1 K-ESS3-1 K-ESS3-3 1-LS1-1 1-LS3-1	3-LS4-4 3-LS1-1 4-LS1-1 5-PS3-1	MS-LS2-2 MS-LS4-4 MS-LS4-6

Creature Creations: (Available All Seasons) Grades: 4 - 12

Students will learn how the physical features of a species are shaped by its environment during a discussion of animal adaptations. (Note: High School classes will discuss natural selection and survival of the fittest). Using simple materials, in small groups, students will be challenged to create a brand-new species that must fit a particular habitat and diet. You can also pick a focus species: Birds, Sharks (fish), Reptiles, Amphibians, or Insects.

Elementary Science	Intermediate Science	High School Science
2-LS4-1 K-2ETS1-1 3-LS3-2 3-LS4-2 3-5ETS1-1	4-LS1-1 4-LS1-2 MS PS1-3 MS-LS4-4 (2 areas) MS-LS3-2 MS-LS4-1 MS-LS4-4	MS-LS4-6 HS-LS2-8 HS-LS4-2 HS-LS4-5

Colonial History and Games: (Available September – March) Grades: K-5

Students will journey into the past, participate in games that students played in Colonial times, and learn a new skill. A tour of the Nichol’s Grist Mill can be added at Connetquot. This helps with the social studies standards.

Elementary Science & Intermediate Science	High School Science
Gathering, Interpreting & using Evidence Chronological Reasoning & Causation Comparison & Contextualization Geographic Reasoning	Can be adapted

Connetquot River Walk: (Available All Seasons) Grades: 3 - 12

We will examine the importance of clean water, the role that the Pine Barrens play in keeping our groundwater clean, and how humans influence the environment. Students will explore the Connetquot River with a walk through the various habitats.

Elementary Science	Intermediate Science	High School Science
2ESS2-3 3LS4-3 3LS4-4 5ESS2-2	MS-LS1-6 MS-LS2-1 MS-LS2-3 MS-LS2-4 MS-LS2-5	HS-LS2-3 HS-LS2-6 HS-LS2-7 HS-ESS3-1

Forest Discovery: (Available All Seasons) Grades: 4 - 12

Through hands-on activities, students will learn about the structures of trees and develop identification skills. A short hike will follow to explore the park’s forest where students can put their tree identification skills to the test.

Elementary Science	Intermediate Science	High School Science
(walk = K-LS1-1, ESS2-2, ESS3-1, ESS3-3) 2-LS2-2 5-PS3-1 2-LS4-1 5-LS1-1 4-LS1-1 5-LS2-1	MS-LS1-6 2-5 MS-LS2-1 2-3 (matter) MS-LS -3 LS1-5 2-4 2-2	HS-LS2-6 HS-LS2-7 HS-LS2-8

Geology Rocks: (Available All Seasons) Grades: 4 – 12

Students will be introduced to the basics of geology using a variety of hands-on activities and simple experiments. They will explore the properties of rocks including density, conductivity, and magnetism. We will wrap up with an eye-opening discussion on the practical uses of rocks and minerals in their daily lives.

Elementary Science	Intermediate Science	High School Science
3-LS4-1 4-PS3-4 3-ESS2-3 4-ESS2-1 4-PS3-1 5-PS1-3 4-PS3-2 4-PS3-3	MS-PS1-4 MS-PS1-7 MS-ESS2-1 MS-ESS2-4	Can be adapted