New York State Office of Parks, Recreation, and Historic Preservation
Regional Environmental Education Office
P.O. Box 247
Babylon, NY 11702
(631) 581-1072

"Long Island State Parks & Nature"

"The objective is to teach the student to see the land, to understand what he sees, and enjoy what he understands."

NYS Parks-Long Island
School Programs

Discover the Wonder
Through Hands-On Educational Programs

Environmental Education Programs
- Elementary
- Intermediate
- High School

Aligned with New York State Learning Standards
When Visiting Parks:

- For your safety, remain on trails to avoid ticks and poison ivy.
- Help keep wildlife healthy - do not feed wild animals.
- Leave only your footprints - take only your memories.

Registration:

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. Parking fees may apply.

Mailing List

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

Winter Bird Exploration

Available November–March

Your class will identify the wide variety of waterfowl and birds that visit the Park’s waterways during the winter months. We’ll set up spotting scopes and survey the birds’ feeding areas to observe our feathered friends. Using costumes, survival adaptations are explored.

<table>
<thead>
<tr>
<th>Standard 1: S1, S2</th>
<th>Standard 1: S1, S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 4 (PS): 1, 2, 4, (LE): 1, 2, 3.1, 3.2, 4, 5, 6</td>
<td>Standard 2: 1I</td>
</tr>
<tr>
<td>Standard 5: I6</td>
<td>Standard 3: N2</td>
</tr>
<tr>
<td>Standard 6: E1, P5</td>
<td>Standard 4 (PS): 1, 2, 4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>(LE): 1, 2, 3.1, 3.2, 4, 5, 6</td>
</tr>
<tr>
<td></td>
<td>Standard 5: I6</td>
</tr>
<tr>
<td></td>
<td>Standard 6: E1, P5</td>
</tr>
</tbody>
</table>

Winter Wildlife Safari

Available September–March

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

<table>
<thead>
<tr>
<th>Standard 1: S1</th>
<th>Standard 1: S1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 4 (PS): 1, 2</td>
<td>Standard 4 (PS): 1</td>
</tr>
<tr>
<td>(LE): 1, 3.1, 3.2, 4, 5, 6</td>
<td>(LE): 3.1, 3.2, 4, 5, 6</td>
</tr>
<tr>
<td>Standard 6: S1, S4</td>
<td>Standard 6: S1, S4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>Social Studies</td>
</tr>
</tbody>
</table>

Can be adapted
Trees are Terrific

Available All Seasons

Through hands-on activities student will learn about the structures of trees as well as develop identification skills. A short hike will follow to explore the forest in the park where students can put their skills to the test.

<table>
<thead>
<tr>
<th>Elementary Science</th>
<th>Intermediate Science</th>
<th>High School Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 1: S1, S3</td>
<td>Standard 1: S1, S3</td>
<td>Living Environment Standard</td>
</tr>
<tr>
<td>Standard 4 (PS): 2</td>
<td>Standard 4: P2</td>
<td>Standard 1: 1, 2</td>
</tr>
<tr>
<td>(LE): 1, 3, 4, 5, 6, 7</td>
<td>L1, L3, L4, L5, L6, L7</td>
<td>Standard 4: 1.1a, b, 3.1g, 5.1a, b, 5.2a, b, 6.1a, b, c, d, e</td>
</tr>
<tr>
<td>Standard 6: S1, S2</td>
<td>Standard 6: S1, S2</td>
<td>Can be adapted</td>
</tr>
<tr>
<td>Standard 7: C1</td>
<td>Standard 7: C1</td>
<td></td>
</tr>
</tbody>
</table>

Wet & Wild

Available April-October

Students will discover the underwater world of ponds through hands-on sampling and field observations. Water chemistry and testing can be added for higher grades. After visiting the pond, the class will go indoors to look at microscopic organisms and discuss their role in the food chain (attendance limit).

<table>
<thead>
<tr>
<th>Elementary Science</th>
<th>Intermediate Science</th>
<th>High School Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 1: S1, S3</td>
<td>Standard 4 (PS): P2, P3</td>
<td>The Living Environment Standard</td>
</tr>
<tr>
<td>Standard 4 (LE): 1, 2, 3, 4, 5, 6, 7</td>
<td>(LE): 1, 2, 3,</td>
<td>Standard 4: 1.1a, d, f, 3.1g, 5.1a, b, 6.1a</td>
</tr>
<tr>
<td>Standard 6: S1</td>
<td>Standard 7: C1, S2</td>
<td>Can be adapted</td>
</tr>
<tr>
<td>Standard 7: C1, S2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

New York State Parks that offer school programming:

1. Caumsett State Historic Park Preserve (631) 581-1072
2. Sunken Meadow State Park (631) 581-1072
3. Nissequogue River State Park (631) 581-1072
4. Caleb Smith State Park Preserve * (631) 265-1054
5. Connetquot River State Park Preserve (631) 581-1072
6. Bayard Cutting Arboretum (631) 581-1002
7. Heckscher State Park (631) 581-1072
8. Robert Moses State Park (631) 581-1072
9. Jones Beach State Park* (516) 780-3295
10. Hempstead Lake State Park (631) 581-1072
You and your class will enjoy a leisurely walk through the woodland trails to discover the changes taking place throughout the year.

**Fall**: Study leaf changes, and discuss the different ways 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 days grow, see animals and birds returning to their favorite State parks!
**Summer**: Discover the diversity of trees on Long Island while exploring the forest.

Students learn about the water cycle and gain an awareness for conserving and protecting our natural resources. They discover the different ways people use and influence the Long Island Sound and the Great South Bay. The importance of clean water and other related issues, such as pollution, can also be addressed.

### Seasonal Nature Walks
**Available All Seasons**

You and your class will enjoy a leisurely walk through the woodland trails to discover the changes taking place throughout the year.

**Fall**: Study leaf changes, and discuss the different ways 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 days grow, see animals and birds returning to their favorite State parks!
**Summer**: Discover the diversity of trees on Long Island while exploring the forest.

<table>
<thead>
<tr>
<th>Program</th>
<th>Available at the Following State Parks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butterflies and Moths</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Creature Creations</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Geology Rocks</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Long Island Sound Saunter</td>
<td>Sunken Meadow, Nissequogue</td>
</tr>
<tr>
<td>Native American History and Games</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>River Walk</td>
<td>Caleb Smith, Connetquot</td>
</tr>
<tr>
<td>Salt Marsh Biology</td>
<td>Sunken Meadow, Nissequogue, Caumsett</td>
</tr>
<tr>
<td>Seashore Biology</td>
<td>Sunken Meadow, Nissequogue, Robert Moses, Jones Beach, Caumsett, Heckscher</td>
</tr>
<tr>
<td>Seasonal Nature Walks</td>
<td>Sunken Meadow, Nissequogue, Caleb Smith, Connetquot, Robert Moses, Jones Beach, Hempstead Lake, Caumsett, Heckscher</td>
</tr>
<tr>
<td>Sound Studies (Bay Studies*)</td>
<td>Sunken Meadow, Nissequogue, Caleb Smith, Connetquot, Robert Moses*, Jones Beach*, Heckscher*</td>
</tr>
<tr>
<td>Trees are Terrific</td>
<td>Sunken Meadow, Nissequogue, Caleb Smith, Connetquot, Caumsett, Heckscher</td>
</tr>
<tr>
<td>Wet &amp; Wild</td>
<td>Caleb Smith, Connetquot, Hempstead</td>
</tr>
<tr>
<td>Winter Bird Exploration</td>
<td>Sunken Meadow, Nissequogue, Caleb Smith, Connetquot, Robert Moses, Jones Beach, Hempstead Lake, Caumsett, Heckscher</td>
</tr>
<tr>
<td>Winter Wildlife Safari</td>
<td>Sunken Meadow, Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead Lake, Caumsett, Heckscher</td>
</tr>
</tbody>
</table>

### Sound/Bay Studies
**Available All Seasons**

Students learn about the water cycle and gain an awareness for conserving and protecting our natural resources. They discover the different ways people use and influence the Long Island Sound and the Great South Bay. The importance of clean water and other related issues, such as pollution, can also be addressed.

<table>
<thead>
<tr>
<th>Program</th>
<th>Available at the Following State Parks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening Environment</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Standard 1: S1</td>
<td>Standard 1: S1</td>
</tr>
<tr>
<td>Standard 4 (PS): 1, 2</td>
<td>Standard 4 (PS): 1, 2</td>
</tr>
<tr>
<td>(LE): 1, 2, 3, 4, 5, 6, 7</td>
<td>(LE): 1, 2, 3, 4, 5, 6, 7</td>
</tr>
<tr>
<td>Standard 6: S1</td>
<td>Standard 6: S1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program</th>
<th>Available at the Following State Parks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening Environment</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Standard 1: S1</td>
<td>Standard 1: S1</td>
</tr>
<tr>
<td>(LE): 5.1, 6.1, 7.1, 7.2</td>
<td>(LE): 5.1, 6.1, 7.1, 7.2</td>
</tr>
<tr>
<td>Earth Science:</td>
<td>Standard 4: 1.3, 4, 7</td>
</tr>
<tr>
<td>Living Environment</td>
<td>Standard 1, 2, 3</td>
</tr>
<tr>
<td>Standard 4: 1.1a, 1.2f, g</td>
<td>Standard 4: 1.1a, 1.2f, g</td>
</tr>
</tbody>
</table>

### Table

<table>
<thead>
<tr>
<th>Program</th>
<th>Available at the Following State Parks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listening Environment</td>
<td>Nissequogue, Caleb Smith, Connetquot, Jones Beach, Hempstead</td>
</tr>
<tr>
<td>Standard 1: S1</td>
<td>Standard 1: S1</td>
</tr>
<tr>
<td>(LE): 5.1, 6.1, 7.1, 7.2</td>
<td>(LE): 5.1, 6.1, 7.1, 7.2</td>
</tr>
<tr>
<td>Earth Science:</td>
<td>Standard 4: 1.3, 4, 7</td>
</tr>
<tr>
<td>Living Environment</td>
<td>Standard 1, 2, 3</td>
</tr>
<tr>
<td>Standard 4: 1.1a, 1.2f, g</td>
<td>Standard 4: 1.1a, 1.2f, g</td>
</tr>
</tbody>
</table>
**River Walk**

**Available All Seasons**

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

<table>
<thead>
<tr>
<th>Elementary Science</th>
<th>Intermediate Science</th>
<th>High School Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 1: S1</td>
<td>Standard 1: S1</td>
<td>Living Environment Standard 4: 1.1b</td>
</tr>
<tr>
<td>Standard 4 (PS): 1, 2, 4, 5</td>
<td>Standard 4 (PS): 1, 2, 4, 5</td>
<td>Can be adapted</td>
</tr>
<tr>
<td>(LE): 1, 6, 7</td>
<td>(LE): 3, 6, 7</td>
<td></td>
</tr>
<tr>
<td>Standard 5: 5</td>
<td>Standard 5: 5</td>
<td></td>
</tr>
<tr>
<td>Standard 6: 1</td>
<td>Standard 6: 1</td>
<td></td>
</tr>
</tbody>
</table>

**Salt Marsh/Seashore Biology**

**Available April-October**

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

<table>
<thead>
<tr>
<th>Elementary Science</th>
<th>Intermediate Science</th>
<th>High School Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 1: S1.1a, S1.1b, S1.2a, S1.3, 6.1</td>
<td>Standard 1: S2.1, I3.2</td>
<td>Living Environment</td>
</tr>
<tr>
<td>Standard 4 (LE): 1.1, 1.2, 3.1, 3.2, 4.1, 4.2, 5.1, 5.2, 6.1, 7.1 (PS): 1.1, 2.1, 3.1g, 3.2</td>
<td>Standard 4</td>
<td>Standard 1.1</td>
</tr>
<tr>
<td>(PS): 1.1e, 2.1h, I, j</td>
<td>Standard 4 (PS): 1.1e, 2.1h, I, j</td>
<td>Standard 4: 1, 3, 4, 7</td>
</tr>
<tr>
<td>(LE): 1.1, 3.2, 5.1, 6.1, 7.1, 7.2</td>
<td>(LE): 1.1, 3.2, 5.1, 6.1, 7.1, 7.2</td>
<td>Earth Science</td>
</tr>
<tr>
<td>Standard 6: 1, 3.4</td>
<td>Standard 4: 1.1a, I, 2.1.a 2.2</td>
<td>Standard 4: 1.1a, I, 2.1.a 2.2</td>
</tr>
<tr>
<td>Can be adapted</td>
<td>Can be adapted</td>
<td>Can be adapted</td>
</tr>
</tbody>
</table>

**Bayard Cutting Arboretum State Park:**

**School Programs:** (also offers guided tours)

- **The Arboretum** – Walk through the gardens
- **Westbrook Manor** – Discover the history of the 1886 manor house
- **CSA Farm** – A 14-acre garden that offers a seasonal hands-on activity

**Standards Key:**

- Standard 1: Analysis, Inquiry, and Design. M=Mathematical, S=Scientific
- Standard 2: Information Systems. I=Information Systems
- Standard 3: Mathematics. N=Numbers, M=Measurements
- Standard 4: Science. PS=Physical Setting, LE=Living Environment
- Standard 5: Technology. I=Impacts

**EDUCATION PROGRAMS**

**Butterflies and Moths**

**Available April-October**

Students will unlock the secrets of the life cycles of these insects, discover the amazing ways that they ward off enemies and how they survive the winter. There will be an indoor presentation with some surprises followed by a short hike to allow students to observe these insects in the wild.

<table>
<thead>
<tr>
<th>Elementary Science</th>
<th>Intermediate Science</th>
<th>High School Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 6: 1,3,4</td>
<td>Standard 4 (LE): 1.1g, 1.1h, 4.3d, 5.1a, 5.1b</td>
<td>Living Environment Standard 4: 1.1b, 3.1g, 4.1a</td>
</tr>
<tr>
<td>Standard 4 (LE): 2.1a, 2.1b, 3.1a, 3.1c, 4.1a-g, 5.1b, 5.2b-e</td>
<td>Can be adapted</td>
<td>Can be adapted</td>
</tr>
</tbody>
</table>
Creature Creations

Learn how the physical features of a species are shaped by its environment during a discussion of animal adaptations (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 bird species that must fit a particular habitat and diet.

Geology Rocks

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 for rocks and minerals in our daily life.

Long Island Sound Saunter

The perfect program for a view of the sound! With a Park Naturalist as your guide, you will explore the geology and ecology of the Long Island Sound along your hike. The bus can drop you off at either Nissequogue River or Sunken Meadow State Park and hike from one park to the other, approximately 3 miles. Bring lunch and enjoy a picnic at the Park where the bus will pick you up or make it a round trip.

Native American History and Games

Students will explore the land once traveled by the Secatogue Indians on a short hike. They will discover how Native Americans learned survival skills and played games using local resources. Students will understand where Native Americans got their clothing, and food, and how very little of their resources were wasted.