

NYBG

SCHOOL & TEACHER PROGRAMS
2022/2023

NEW YORK BOTANICAL GARDEN



Welcome!

Through inquiry-based methods, children and teachers engage in experiences with plants and the natural world, which will help them to construct understandings of plants, their cultural uses, and overall importance to life on Earth.



**CHILDREN'S EDUCATION PROGRAMS AT THE GARDEN
TAKE PLACE IN THE FOLLOWING LOCATIONS:**



Edible Academy

- Gardening Workshops: The Louise and Henry Loeb School for Children's Gardening
- Multivisit Gardening Program

Everett Children's Adventure Garden

- Plant and Nature Explorations



GreenSchool in the Enid A. Haupt Conservatory and among the Garden Grounds Collections

- Plant Science Workshops
- Interactive Indoor Conservatory Tours
- Outdoor Nature Walks

Throughout NYBG: Professional Learning for Teachers

- Multisession Institutes
- Customized Workshops

Programs at a Glance by Grade

| PROGRAM | p-K | K | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | SEASON |
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| Gardening Workshops (p. 5) | | | | | | | | | | | |
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Key: Spring Summer Fall Winter **Holiday**

Classes with Special Needs
 We are able to tailor our programs to accommodate classes with special needs. Self-contained classes are eligible for a reduced program rate. Please share information about any special needs when registering. See p. 22 for details.

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Be a Gardener

In the Ruth Rea Howell Vegetable Garden at the Edible Academy, students become gardeners as they engage in activities for growing healthful food outdoors and in a state-of-the-art greenhouse. From sowing seeds to watering and harvesting, students build interdisciplinary connections while experiencing the excitement of hands-on gardening throughout the seasons!



HANDS-ON GARDENING WORKSHOPS: THE LOUISE AND HENRY LOEB SCHOOL FOR CHILDREN'S GARDENING at the Edible Academy

Grades Pre-K–8

Fall: October 4–28

Winter: January 10–March 10

Spring: April 4–June 9

Summer: July 5–August 18

Cost: \$165 per class

Times: 10–11:15 a.m. or 11:30 a.m.–12:45 p.m.

Fall, Spring, Summer | How Does Your Garden Grow?

Explore soil, plant seeds or seedlings, and water the garden to discover ways plants grow and change seasonally. Search for plant parts we eat in the garden and pot up an edible plant to grow at home.

Winter | How Does Your Garden Grow?

Explore the garden in winter. Discover ways plants grow and change during cold months in a greenhouse. Pot up indoor plants to grow at home.

Learning with Winter Crops

Explore how gardeners prepare in the garden and in the kitchen for the winter season. Prepare a dish using preserved garden-based ingredients, and take home your own herb blend.

High School Offerings

Visit the Edible Academy to practice organic gardening methods and explore foodways. Consider the implications and applications of the lessons learned at NYBG for your neighborhood. If you are a student or high school teacher, contact our Registration Office to learn more.



HANDS-ON MULTIVISIT GARDENING PROGRAM at the Edible Academy

Grades Pre-K–5

Groups meet four times over the school year to dig deeper into the topics below. Each session builds on the previous, and the Edible Academy educators share post-session activities with teachers that support student learning between sessions.

Cost: \$660 (4 Visits)

Times: 10–11:15 a.m. or 11:30 a.m.–12:45 p.m.

Register by September 30 by calling our Registration Office at 718.817.8181.

Session 1: October 4–November 11

Session 2: November 15–December 23

Session 3: March 28–May 5

Session 4: May 9–June 9

Garden Cycles (Pre-K–K)

Learn about plant life cycles and seasonal change through hands-on gardening and direct observation in the Edible Academy's dynamic landscape. Explore how gardeners prepare and grow throughout the year. Discover more about the parts of a plant, and construct understandings of seasons through observation.

Seeds to Fruits (Grade 1)

Deepen understandings of plant parts and the role they play in the vegetables we grow and the food we eat. Explore and investigate plant needs.

Culinary Communities (Grade 2)

Build understandings about the role plants play in culinary, cultural, and garden communities. Explore the relationships integral to the growth of food crops.

Seed Stories and History (Grade 3)

Through an exploration of the origins, histories, and stories of seeds, investigate the history of food crops.

Lenape (Delaware) Studies (Grade 4)

Using place-based exploration of the Edible Academy site and the larger New York Botanical Garden, build understandings about the environmental knowledge of the Lenape (Delaware) people past and present. Investigate native plants and Three Sisters gardening.

Grow Green (Grade 5)

Discover the sustainable features of the Edible Academy. Explore ideas about renewable energy technologies, water conservation, composting, and organic gardening.

Be a Nature Explorer

At the Everett Children's Adventure Garden, students become nature explorers as they investigate how plant and animal life they find within a dynamic environment responds to the seasons. Through observation, thematic explorations, and a chance to wonder and discuss ideas with their peers, students experience the natural world up-close.



HANDS-ON PLANT AND NATURE EXPLORATIONS **at the Everett Children's Adventure Garden**

Grades Pre-K-5

Fall: October 4–November 18

Holiday: November 29–January 20

Winter: January 31–March 17 (remote 10 a.m. or 11 a.m.; in-person 10:30 a.m.–12 p.m.)

Spring: March 28–June 9

Cost: \$165

Times: 10 a.m.–11:15 a.m. or 11:45 a.m.–1 p.m.

GRADES PRE-K–2

Plant Parade

Fall & Spring

Observe and compare a variety of whole plants and discover their parts using all five senses. Pot up seeds to grow at home.

GRADES PRE-K–5

Pumpkins

October 4–29

Investigate gourds and giant pumpkins to develop understandings about fruit diversity and the pumpkin life cycle. Conduct seed germination experiments to grow at home.

GRADES PRE-K–5

Evergreen Adaptations

Holiday

Hike winter trails and find evergreen trees and shrubs to construct understandings about adaptations. Take home a fir sachet to keep or give as a gift!

GRADES PRE-K–5

Celebrate Black Botanists!

Winter-remote

Meet amazing Black plant champions working at NYBG! Develop your own science identity by setting up a plant experiment to grow and observe at home.

GRADES 1–3

Seeds on the Move

Fall

Explore the essential question: How do seeds move? Search for evidence of how seeds move by observing plants outdoors. Dissect specimens to develop theories. Pot up seeds to grow at home.

Fantastic Flowers

Spring

Observe a variety of flowers to construct understandings about the role of pollination in a plant life cycle. Pot up seed experiments to grow at home.

GRADES 3–5

Wetland Ecology

Fall and Spring

Perform a site sample of a native wetland and find the connections between plants and animals in healthy ecosystems.

Be a World Explorer

At the GreenSchool in the Enid A. Haupt Conservatory, students become world explorers as they engage in plant investigations inside glass-enclosed rain forests and deserts and discuss their findings with peers in a classroom. By observing and collecting information within diverse habitats, students build connections among life systems that help plants grow successfully.



HANDS-ON PLANT SCIENCE WORKSHOPS at the GreenSchool in the Enid A. Haupt Conservatory

Grades K–8

Fall: October 4–November 18

Winter: November 29–March 17

Spring: March 28–June 9

Cost: \$165 per class

Times: 10–11:15 a.m. or 11:45 a.m.–1 p.m.

GRADES K–2

Plant Parts We Eat

Fall & Spring

Find and compare plant parts to develop understandings about their roles in helping plants survive and grow. Pot up edible plants to grow at home.

GRADES K–5

Life in the Rain Forest

Experience the layers and compare the climatic and vegetative elements between two rain forests. Consider diversity and adaptations and discover plants used for food and medicine. Pot up rain forest plants to grow at home.

GRADES 2–8

Amazing Plant Adaptations

Compare habitat features among rain forests, deserts, and a carnivorous bog. Find traits that allow plants to survive. Pot up plants to grow at home.

Flowers in the Life Cycle

Winter & Spring

Experience diverse environments that allow plants to grow successfully. Dissect specimens to understand the roles of flowers, fruit, and seeds to reproduction. Pot up experiments to grow at home.

Patterns of Plants

Winter

Find and compare shape, symmetry, and series in plants and formulate ideas about ways structure relates to function. Create mandalas, an arrangement of plant parts designed in a circle using geometry.

The Water Cycle

Winter & Spring

Find and compare elements of air, water, and terrain of the world's biomes and develop understandings about the role of plants in the water cycle. Build terrariums to take home.

Be a Plant Hunter

During the Enid A. Haupt Conservatory Tours, students become plant hunters as they engage in plant investigations inside the glass-enclosed rain forests and deserts. By observing and collecting information about diverse habitats, students build connections among life systems that help plants grow and experience the excitement of plant hunting.



INDOOR TOURS IN THE ENID A. HAUPT CONSERVATORY

Interactive GreenSchool Guided and Self-Guided Tours

Grades Pre-K–8 (*Grades 6–8 must register for guided indoor programs.*)

Indoor Guided

Cost: \$130 per class | **Times:** 10:15–11:15 a.m. or 11:45 a.m.–12:45 p.m.

Fall: October 4–November 18

Winter: November 29–March 17

Spring: March 28–June 9

Indoor Self-Guided

Cost: \$65 per class | **Times:** 10 a.m.–2 p.m.

Fall: September 27–November 18

Winter and Spring: January 24–June 23

Interactive Guided Conservatory Tours

Grades Pre-K–8

Experience and compare the climatic and vegetative conditions among rain forests, deserts, and a bog. Construct ideas with peers using grade-aligned themes*:

- Grades Pre-K & K: Trees & Seasons
- Grade 1: Weather & Seasons
- Grade 2: Plant Diversity
- Grade 3: Plant Adaptations
- Grade 4: Plants in Their Environment
- Grade 5: Exploring Ecosystems
- Grade 6: Diversity of Life
- Grade 7: Dynamic Equilibrium: Plant Survival
- Grade 8: Humans and the Environment: Needs and Trade-offs

Grades 2–8

Patterns of Plants Tour

Holiday Combination Only

Find and compare shape, symmetry, and series in plants and formulate ideas about their arrangements in the structures found in the *Holiday Train Show*[®].

THE ORCHID SHOW

February to April

Explore the naturalistic and cultivated displays of orchids to understand where and how orchids grow and reproduce successfully around the world.

To register: nybg.org/schools-teachers or 718.817.8181

Be a Naturalist

Students become naturalists as they investigate special collections throughout the Garden's 250 acres. From the Thain Family Forest to the Native Plant Garden and across the Garden grounds, students observe and collect information to construct ideas about ecology with their peers, and build multicurricular connections to the plant world.



OUTDOOR NATURE WALKS

Interactive GreenSchool Guided and Self-Guided Nature Walks Grades Pre-K–8

Outdoor Guided

Cost: \$130 per class | **Times:** 10:15–11:15 a.m. or 11:45 a.m.–12:45 p.m.

Fall: October 4–November 18

Spring: March 28–June 9

Outdoor Self-Guided (Online Registration Only)

Cost: \$50 (Free for New York City schools) | **Times:** All Day

Fall: September 6–November 23

Winter: November 29–March 17

Spring: March 28–June 23

GRADES PRE-K–5

Sensory Walk

Fall & Spring

Engage all senses to deepen plant awareness through observation. Build understandings about how plants grow and survive.

GRADES 2–8

Save Our Native Plants Walk

Fall & Spring

Explore a woodland, wetland, and meadow to build understandings about the role of native plants in ecosystems and conservation action.

GRADES PRE-K–8

50-Acre Thain Family Forest Walks

Fall & Spring

Explore a native forest and construct ideas with peers about forests using grade-aligned themes*:

- Grades Pre-K & K: Trees & Seasons
- Grade 1: Weather & Seasons
- Grade 2: Plant Diversity
- Grade 3: Plant Adaptations
- Grade 4: Plants in Their Environment
- Grade 5: Exploring Ecosystems
- Grade 6: Diversity of Life
- Grade 7: Dynamic Equilibrium: Plant Survival
- Grade 8: Humans and the Environment: Needs and Trade-offs

Rock Garden Walk

Spring

Explore and find the basic conditions necessary to support the growing needs of rock and alpine plants.

**Themes follow the NYC Scope and Sequence*

Outdoor Self-Guided Garden Grounds (Online Registration Only)

All Seasons

Download thematic Teacher Guides before arrival and experience 250 acres of seasonal collections. See p. 21.

Celebrate the Holiday Season

Students experience the magical landscapes and model trains of the *Holiday Train Show*® or in combination with an enjoyable winter botanical workshop at the Everett Children's Adventure Garden or GreenSchool.



HOLIDAY PROGRAMS

Holiday: November 29, 2022–January 20, 2023

GRADES PRE-K–8 ***HOLIDAY TRAIN SHOW***[®]

Begins November 29

Location: Conservatory Plaza

Cost: \$140 per class

Times: All Day

During this self-guided visit, experience the model trains and trolleys as they move through magical landscapes of historic New York State buildings made primarily from botanical materials.

GRADES PRE-K–5 **Evergreen Adaptations**

Location: Everett Children's Adventure Garden

Cost: \$165 per class

Times: 10–11:15 a.m. or 11:45 a.m.–1 p.m.

Hike the winter landscape and observe evergreen trees and shrubs to construct understandings about how they survive. Take home a fir sachet to keep or give as a gift.

HOLIDAY COMBINATION: ***HOLIDAY TRAIN SHOW***[®] and ***EVERGREEN EXPRESS***

Location: Everett Children's Adventure Garden and Conservatory Plaza

Cost: \$250 per class

Experience both *Holiday Train Show*[®] and the complementary *EVERGREEN EXPRESS* workshop at the Everett Children's Adventure Garden.

GRADES 2–8 **HOLIDAY COMBINATION: *HOLIDAY TRAIN SHOW***[®] and **Patterns of Plants**

Location: Conservatory Plaza

Cost: \$250 per class

Experience both *Holiday Train Show*[®] and the complementary Patterns of Plants workshop (p. 11) or tour (p. 13) at the GreenSchool in the Enid A. Haupt Conservatory.



Engage in Continuous Learning

Teachers seeking professional learning experience the beautiful collections of the Garden during multisession institutes or customized workshops. Engage in hands-on, inquiry-based field and classroom practices and gain confidence in helping students construct understandings about ecology, plant science, or practical gardening.



PROFESSIONAL LEARNING FOR TEACHERS

Multisession Institutes

Fees include entry into the Garden and all supplies and materials. For more information, visit www.nybg.org/learn/schools-teachers/professional-learning/ e-mail teachered@nybg.org, or call 718.817.8140.

School Gardening 101— Creating a Garden

Dates: February 21–25*

Cost: \$200

*Eligible for 30 CTLE hours and/or 2 P-credits***

Advocate for, plan, create, or revive a school garden or indoor planting system. Hone skills for designing, budgeting, and incorporating the garden across the curriculum, utilizing the resources of the school community.

Ethnobotany for Educators: Exploring Plants Through Cultural Connections

Dates: April 10–15*

Cost: \$250

*Eligible for 45 CTLE hours and/or 3 P-credits***

The relationship between people and plants has shaped foodways for thousands of years. Examine human and plant connections at the intersection of history, food, and culture. Develop strategies for engaging student-driven scientific investigations utilizing plants and food.

Seedlings Institute: Nature and Science for Early Childhood Educators

Dates: July 17–22*

Cost: \$250

*Eligible for 45 CTLE hours and/or 3 P-credits***

Learn how to use plants and nature to engage children in science across the curriculum, with connections to literacy, math, and art. Explore the unique resources available at NYBG.

The Art of Science

Dates: July 24–29*

Cost: \$250

*Eligible for 45 CTLE hours and/or 3 P-credits***

Discover ways to help students experience the wonder of the outdoors through art and science. Hone observational skills and ask questions using the Garden grounds and exhibition as inspiration. Explore how natural forms can provide an inquiry-based framework for learning and art making.

Plant, Learn, & Grow: School Gardening 201

Dates: August 21–26*

Cost: \$250

*Eligible for 45 CTLE hours and/or 3 P-credits***

Whether your school garden is plants on your windowsill or in the schoolyard, participate in hands-on gardening methods to build your background knowledge. Topics include pest management, soil quality monitoring, pollinator interactions and more!

Increasing Representation in the Natural World (Online)

Dates: April 22–May 20

Cost: \$100

*Eligible for 15 CTLE hours and/or 1 P-credit***

Engage with natural objects and outdoor environments near you through observation and reflection. Use curated readings and research to highlight disproportionate access to nature, reflect on experiences, and plan for equitable learning in the science classroom.

*Dates are subject to change based on capacity—check website at www.nybg.org/learn/schools-teachers/professional-learning/ for most current offerings

**P or A+ credits include additional fees and requirements. More information is available at pci.nycenet.edu/aspdp/Account/Login

Bring the Garden to Your Classroom

Introduce students to the richness of the Garden's plant collections without leaving the classroom. From virtual explorations of the Enid A. Haupt Conservatory to pre- and post-visit activities ideas, teachers can access practical resources to engage students.



SCHOOL & TEACHER RESOURCES

Customized Workshops

Collaborate with expert Garden educators to plan a half-, full-, or multisession workshop on-site or online that is tailored to meet your needs. Each experience attends to the Next Generation Science Standards (NGSS). Call 718.817.8140 to arrange a workshop.

Suggested workshop topics:

- Equity and the Natural World
- Nature for Early Learners
- Ecosystem Interactions
- Plant Investigations in the Classroom

Cost: Half-day (9 a.m.–12 p.m.): \$35 per teacher/Full-day Workshop (9 a.m.–3 p.m.): \$65 per teacher (Minimum 8 teachers required)

ONLINE RESOURCES

Teacher Guides and Student Activity Packets to Download

nybg.org/learn/schools-teachers/class-trips/pre-post-activity-guides

Effective Garden field trips begin with careful planning and preparation. To help ensure your self-guided class visit is an active learning experience, please download a Teacher Guide and Student Field Journals prior to your class trip.

Teacher Guides include:

- Color Me Autumn
- Into the Woods
- Flower Mystery
- Forest Forays
- Nature Scavenger Hunt
- Mitsubishi Wild Wetland Trail
- Bronx River Walk
- Westchester Native American Trail Walk
- Special Exhibitions

Pre- and Post-Visit Activities Sheets

Supplement Garden visits with suggested pre- and post-visit activities sheets that can be downloaded at nybg.org/learn/schools-teachers/class-trips/pre-post-activity-guides

School Gardening 101

nybg.org/learn/schools-teachers/resources/school-gardening-101

Find lesson plans, videos, and tip sheets that will help you maximize learning opportunities.

Teacher Membership

Become a Member at the Teacher level for only \$86 a year, and enjoy all the benefits of Membership. Call 718.817.8703 for details.

REGISTRATION AND VISIT INFORMATION

Registration and Payment

- To register: nybg.org/schools-teachers or 718.817.8181
- Advance registration and payment are required for all programs.
- An invoice will be e-mailed to the registering teacher detailing visit schedule and payment.
- Payment and/or purchase order copy is due two weeks after registration is received.
- The scheduled visit is not confirmed until payment is received.
- Payment may be made by purchase order, check, money order, or credit card (Mastercard/VISA/AMEX/Discover). New York City Department of Education Vendor Code NEW095000. Please note that you are responsible for forwarding purchase order information to your district.

Class Size and Special Needs

- All guided workshops and programs require one NYBG educator **per class**. In order for students to have the best learning experience, **combining more than one class per educator is not allowed**. Our class sizes are as follows:
 - Pre-Kindergarten: 18 students max., 1 adult per 5 students
 - Kindergarten: 25 students max., 1 adult per 7 students
 - Grades 1–8: 32 students max., 1 adult per 7 students
 - Self-Contained Pre-K–8: 15 students max., 1 adult per 2 studentsThe numbers of classes that can be accommodated vary by program. Please contact the registration office for details on bringing multiple classes: 718.817.8181.
- **Classes with 15 or fewer students are accommodated at a lower fee.**
- Please share information with us about any special considerations that will help ensure a successful field trip experience.

Mail checks and money orders, payable to The New York Botanical Garden, to:

The New York Botanical Garden School Programs

2900 Southern Boulevard, Room M295

Bronx, NY 10458-5153

For payment questions: 718.817.8743

Fax: 718.220.6504 • E-mail: childed@nybg.org

Changes and Cancellations

If you make a scheduling change, we will attempt to reschedule your visit within the school year. After the first scheduling change, a \$15 processing fee will be charged for each additional change. Cancellations made at least 4 weeks in advance will receive a full refund. Cancellations made 2–4 weeks in advance will be refunded 50%. For cancellations made two weeks or less before a program, there are no refunds.

Before Arrival

You will be e-mailed Trip Confirmation materials that include a map with specific entrance and exit procedures for the school group entrance, the Everett Garden Gate. If your group is traveling on more than one bus, please make sure that a teacher on each bus receives this information.

- Please consult these materials before arrival.

Teacher Pre-Trip Planning Voucher

A Teacher Pre-Trip Planning Voucher will be included in the registering teacher's confirmation e-mail. All registered classroom teachers may use this voucher for free entry with a guest to make the most of their experience at the Garden by visiting our one-of-a-kind facilities before bringing their students.

Arrival

Please arrive 15 minutes early to check in and get to your specific program location. All school buses should stop at the Garden's school group entrance, the Everett Garden Gate, located on Southern Boulevard across from Fordham University. From there, based on program registration, they will be directed to either disembark or proceed to a different location. Bus parking is not available within the Garden. However, there is street parking along Southern Boulevard. All programs will end at the originally scheduled time. Groups arriving more than one-half hour late will be cancelled. No refunds are available. School groups are not permitted to board the Tram.

Chaperones

In order to provide the best possible program, we cannot accommodate more than the required chaperones in our classes. A maximum of ten adults can join the class during the workshop or tour. Adult chaperones over the suggested ratio are welcome to freely explore the Garden grounds while the program is in session and then rejoin the students when the program ends. A useful Chaperone Guide will be included in your Trip Confirmation e-mail.

Inclement Weather

Programs run rain or shine. Please have students dress appropriately for the weather. If you choose to reschedule, please call by 8:30 a.m.: 718.817.8181.

Accessibility

The Botanical Garden, its buildings, and its tour vehicles are accessible. Due to the Garden's varied topography, portions of the historic landscape may be inaccessible. Please notify the Registration office of any special needs at least 48 hours in advance of your visit.

Lunch

School groups are invited to eat in the Clay Family Picnic Pavilions located near the Everett Garden Gate. There are no indoor lunch facilities. Groups are not allowed in the Garden dining facilities to eat or purchase food.

TRANSPORTATION AND DIRECTIONS

School Bus

In Google Maps use the “Everett Garden Gate” location for directions. For detailed directions, visit nybg.org/visit/directions

- All school buses should stop at the Garden's school group entrance, Everett Garden Gate, located on Southern Boulevard across from Fordham University. From there, based on programs registration, they will be directed to either disembark or proceed to a different location. Please remain on your bus until directed to disembark. Bus parking is not available within the Garden. However, there is street parking along Southern Boulevard.

Schools Within Walking Distance

Schools within walking distance of the Garden may enter the closest entry point by foot and check in with staff at a ticket window for further instructions. Entry points include:

- **Everett Garden Gate** (School Group Entry Point): Located on Southern Boulevard. In Google Maps use the “Everett Garden Gate” location for directions.
- **East Gate:** Located at the corner of Waring Avenue and Bronx Park East, this entry point is conveniently located within close proximity to the Edible Academy. In Google Maps use the “East Gate” location.
- **Main Entrance:** Located at 2900 Southern Boulevard
- **Mosholu Entrance:** Located at 2950 Southern Boulevard between Mosholu Parkway and Bedford Park Boulevard

Public Transportation

For detailed directions, call 718.817.8779.

By Metro-North Railroad

Take the Metro-North Harlem local line to Botanical Garden Station. Walk across Southern Boulevard to the Garden's Mosholu Entrance. Just 20 minutes from Grand Central Terminal in Manhattan! Also convenient from other locations.

By Subway

Take the B, D, or 4 train to Bedford Park Blvd. Station. From the station exit:

- Take the Bx26 bus east to the Garden's Mosholu Entrance.
- OR walk eight blocks down the hill on Bedford Park Blvd. (approximately 20 minutes). Turn left onto Southern Blvd. and walk one block to the Mosholu Entrance.

Take the 2 train to Allerton Avenue Station. From the station exit:

- Walk three blocks west on Allerton Ave. Turn left on Bronx Park East and walk two blocks to Waring Ave. At the park entrance, walk up the small hill leading to the Garden's East Gate. In Google Maps use the “East Gate” location.

By Bronx Bus

- Take the Bx19 to Southern Boulevard and Botanical Garden
- Take the Bx9, Bx12, Bx12-SBS, or Bx22 to Southern Boulevard and East Fordham Road
- Take the Bx26 to Southern Boulevard and Bedford Park Boulevard

For schedules and maps, visit the MTA website at mta.info

CHILDREN'S EDUCATION AND NEXT GENERATION SCIENCE STANDARDS

The development of the Next Generation Science Standards (NGSS) follows the movement to adopt nationwide English language arts and mathematics Common Core learning standards. In 2012 the National Research Council (NRC) published *A Framework for K–12 Science Education* that included the 21st-century skills needed by students to prepare them for college and careers. The *Framework*—validated by science researchers, educators, and cognitive scientists—became the basis for the development of the NGSS.

The NGSS has pushed the science education community further toward engaging students in practices used by scientists and engineers, and using the “big ideas” of science to actively learn about the natural world. With this understanding, Children’s Education programs are designed to teach science as a process of phenomena-based inquiry and explanation that helps students to form a deeper understanding of science concepts and better recognize how science applies to everyday life.

Read more about the Next Generation Science Standards at nextgenscience.org and ngss.nsta.org



ACKNOWLEDGMENTS

The New York Botanical Garden thanks the individuals, foundations, and corporations who generously support Children's Education at the Garden.

Leadership support for Children's Education programs was provided by the following donors from July 1, 2021 through June 30, 2022:

Cornell Douglas Foundation
Cleveland H. Dodge Foundation, Inc.
Everett Foundation
The Farvue Foundation, Inc.
Mitsubishi Corporation (Americas)
New York Community Trust
The Eric & Jane Nord Family Fund
Susan and Gregory Palm
The Pinkerton Foundation

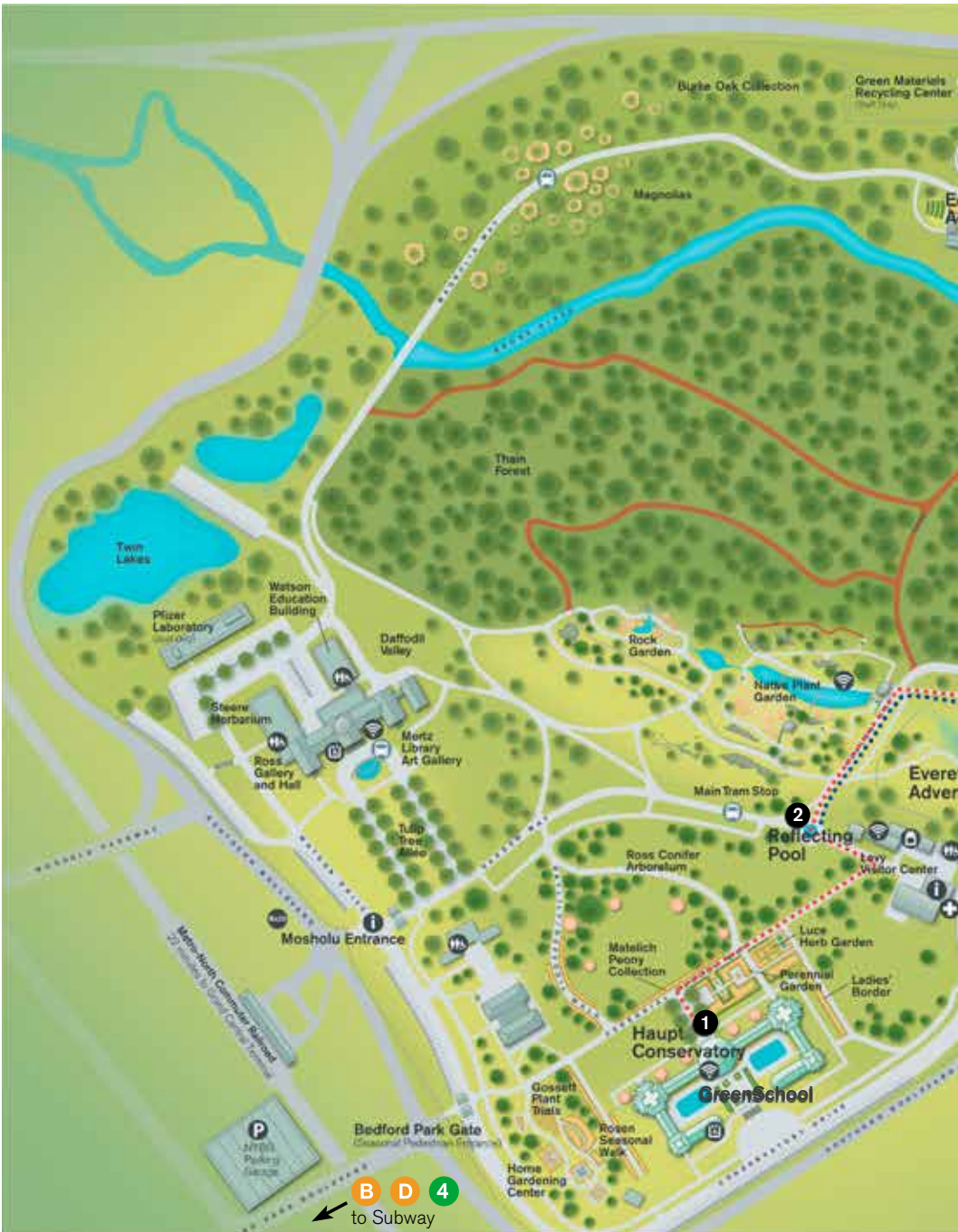
Additional support was provided by:

Frank J. Antun Foundation
The William O. and Carole P. Bailey Family Foundation
Joan N. and Norman Bluestone Foundation
BNY Mellon
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The Everett Children's Adventure Garden has been made possible by the leadership generosity of Edith and Henry Everett.

NYC Cultural Affairs The New York Botanical Garden is located on property owned in full by the City of New York, and its operation is made possible in part by public funds provided through the New York City Department of Cultural Affairs. A portion of the Garden's general operating funds is provided by The New York City Council and The New York State Office of Parks, Recreation and Historic Preservation. The Bronx Borough President and Bronx elected representatives in the City Council and State Legislature provide leadership funding.





NYBG School Group Map

1 **Lunch at Clay Family Picnic Pavilions:** All school groups must bring lunches. School groups are invited to eat in the outdoor Clay Family Picnic Pavilions located near the Everett Garden Gate. There are no indoor lunch facilities.



1 Enid A. Haupt Conservatory (.47 of a mile)

3 Everett Children's Adventure Garden (340 ft)

- Plant Science Workshops
- Indoor Tours in the GreenSchool

- Nature Explorations

2 Reflecting Pool (.32 of a mile)

4 Edible Academy (.47 of a mile)

- Outdoor Nature Walks

- Gardening Workshops

Estimated walking distance from School Group Check-In Booth

New York Botanical Garden
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nybg.org

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