

The logo for Green Horizons is located in the top right corner. It features a yellow background with the text "Green Horizons" in bold black letters. Below the text is a stylized illustration of a sun with rays, a green mountain range, and a blue building with a chimney. The entire logo is partially obscured by a dark green curved shape that frames the main text on the left.

Green Horizons

Green Horizons: Celebrating the 25th Anniversary

Christina McLaughlin, Environmental Educator of Urban Forestry Programs

Trees New York





Brief History & Concept

Green Horizons

New York City's Conference on Careers in Natural Resources & the Environment for Middle School Students

Concept originated and Facilitated by Nancy Wolf

Sponsored/ Funded by Con Edison and other partners

Goal/Mission:

An opportunity for students to have "hands on" exposure to the various careers in natural resources & the environmental sector led by industry professionals.

Focus:

Student-Centered, Accessible , Start the Conversation & Career Exploration

General Outline of Event

Occurs in Mid-October

Follows a 9 a.m. - 2 p.m. Schedule

9:00 -10:00 a.m. – Check-in

10:00-10:40 a.m. – Welcome & Speaker

11:10 – 11:55 a.m. – Session One

12:25 – 1:10 a.m. – Session Two

1:15 – 1:30 a.m. – Students Dismissed

1:30 – 2:00 a.m. – Lunch for Station Leaders, Volunteers & Partners



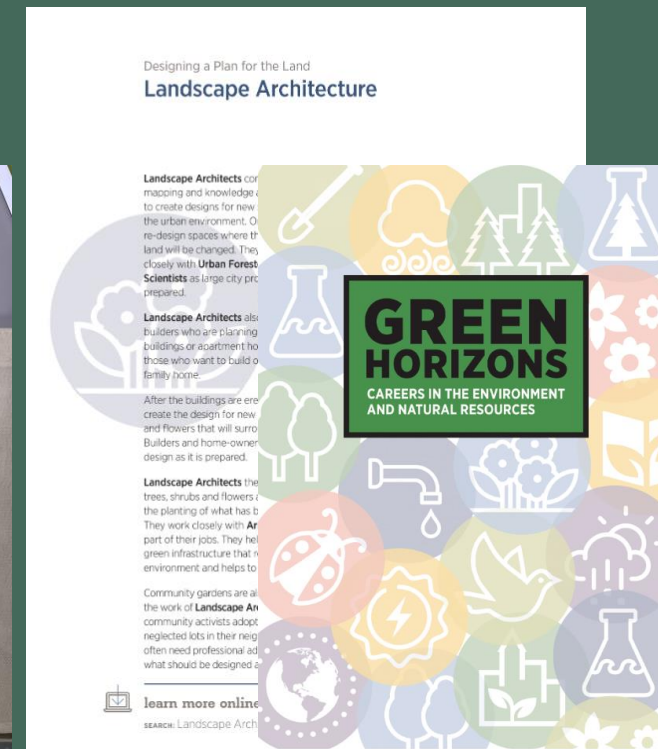


Green Horizons
serves 3 main
functions...

Green Horizons... as a Resource

Students and teachers that attend GH are provided supplemental materials such as:

- Green Horizons Career Booklet
- Green Horizons Event T-shirt
- Partner and Sponsor Brochures and Information provided in "Teacher Bags"



Green Horizons... as a Network & Outreach Opportunity

Station Leaders, Students & Teachers:

- Can connect with one another
- Learn about educational offerings and opportunities
- Discuss shared common interests
- Connect students with local community supports in the field



Green Horizons... as Career Exploration

When students register, they select their "Top 3" stations of interest out of 15-20 stations.

Students are matched with **at least one** of their top 3 stations for their two session opportunities.

We provide a diverse selection of fields for students to explore such as:

- Urban forestry
- Horticulture
- Marine Science
- Science Research
- Ecology
- Zoology, etc.

GREEN HORIZONS

Brooklyn Botanic Garden

Wednesday, October 18th, 2023

Stations

1. Plant Propagation (Horticulture)

Hosted by Patrick Austin, Brooklyn Botanic Garden Plant Propagator

Learn about plant propagation and what you can do with it, and then practice propagating some plant cuttings of your own.

2. Plants In Our Lives: An Exploration in Ethnobotany (Environmental Education)

Hosted by Sara Epstein and Chelsea Forgenie, Brooklyn Botanic Garden

Ever wonder what part of the plant we get cinnamon from? Explore the cinnamon tree and other plants that are used for medicine, food, and in our households. Learn from educators about their career paths and get a chance to practice being an educator as we explore ethnobotany. Pot up a plant to take home!

3. A Solar Future with Solar1 (Solar & Electrical Engineering)

Hosted by Solar One

Students will explore solar installation, one of the fastest growing industries in NYC. After exploring the benefits of clean energy, students will conduct hands-on experiments using small solar panels to observe how solar panels work in different conditions.

4. Urban Forestry in New York City (Arboriculture)

Hosted by Haley Hix, Senior Forester, New York City Parks and Recreation

Trees are essential to the health of our city and its inhabitants. A career in urban forestry is about creating and sustaining green spaces for the community we serve. From planting trees in parks and streets, inspecting damaged and diseased trees, or selecting tree species- get a glimpse of a day in the life of an urban forester!

5. Science Research and Habitat Assessment (Science Research)

Hosted by Christopher Ricker, Program Coordinator & Shannon Erickson, Education Program
Coordinator of Freshkills Park Alliance

Explore the tools, skills, and methods used for field research, science and habitat assessment with the Freshkills Park Alliance.

6. Making Paper without Trees! (Arts & Nature)

Hosted by Michele Brody, local artist

Learn how the earliest forms of paper from Egypt and China were naturally made from reeds and flowering plants without the need to cut down and process trees with polluting chemicals. Environmental Artist Michele Brody will demonstrate a hands-on workshop on how to make paper from Papyrus and Milkweed plants, which she collects from around her home/studio in The Bronx. Be prepared to get your hands wet!

7. Garden Design: Right Plant, Right Place, Right Purpose (Landscape Design)

Hosted by Rashid Poulson, Brooklyn Bridge Park

Explore how a piece of land, such as Brooklyn Bridge Park, is designed. Learn how the site has been imagined and interpreted. Then, create your own design!

8. Let's Explore! An Intro to the Urban Garden as a Learning Space (Urban Agriculture)

Hosted by Zahra Booth and Tania Bagan, The Garden Apprentice Program (BBG)

Practice your teamwork and observation skills in a group scavenger hunt. Explore and learn about the food and flowers that are growing in the Children's Garden at BBG.

9. Experience Forest Bathing: a restorative walk in nature (Forest Therapy & Wellness)

Hosted by Lori Klammer, Certified Forest Therapy Guide

Learn techniques for relaxing, focusing, breathing, connecting. Use all your senses to play in Earth's playground.



25th Anniversary
of Green Horizons
Snapshot

25th Anniversary Metrics

Brooklyn Botanic Garden

- Over 200 Individuals participated
- 7 NYC Schools
 - PS/IS Alfred De. B. Mason
 - M.A.C.A.D.E.M.Y School of Science & Tech
 - IS 51 Edwin Markham Intermediate School
 - Brooklyn Science & Engineering Academy
 - IS 285 Meyer Levin School of Performing Arts
 - IS 184 The Newport School
 - IS 392 The School for Gifted & Talented
- 141 Students & 17 Teachers & Chaperones
- 25 Station Leaders
- 16 Stations
- 18 Community Partners & Organizations
- 20 Volunteers



GREEN HORIZONS
Brooklyn Botanic Garden
Wednesday, October 18th, 2023

9:00 – 10:00 a.m. - Students Check-In

Students and Chaperones arrive at Brooklyn Botanical Garden by bus or mass transit and are led to check-in. At Check-In, students will receive their station assignments, T-shirts, a Day Itinerary and other materials. Students and Chaperones will then be led into the auditorium.

9:30 – 10:00 a.m. – Station Leader Check-In

Station Leaders will arrive at this point and will receive a nametag or lanyard, station number on a stick, map, their table (labeled), a blank contact form and access to a breakfast of coffee and pastries.

10:00 – 10:15 a.m. - Welcome to Green Horizons 25th Anniversary

At this time, Brooklyn Botanic Garden will welcome the attendees to the event.

10:20 – 10:40 a.m. - Panel Discussion with Environmental Professionals

The Panel Discussion will be time for previously submitted questions by the students to be posed to professionals who can discuss their experiences and thoughtful responses to encourage the students. Trees New York may have supplemental questions to add to the panel and maybe some time for the students to ask new ones that came to mind as well.

10:45 – 11:00 a.m. - Students will be dismissed to Session One

Students will travel to their first assigned session.

11:10 – 11:55 a.m. - First Session

Station Leaders will have a 45-minute educational session prepared for the students with a hands-on component.

12:00 – 12:15 p.m. - Students report to Auditorium/ Led to Session Two

Students will travel to their second assigned session.

12:25 – 1:10 p.m. - Second Session

Station Leaders will have a 45-minute educational session prepared for the students with a hands-on component.

1:15 – 1:25 p.m. – Students report to Auditorium

At this time, students can either be dismissed with their chaperones to the buses or other transportation or are welcome to stay for their lunch.



Green Horizons Station Map

Morning Tabling Opportunity

Participating Tables:

- Bartlett Tree Experts
- Gowanus Canal Conservancy
- Freshkills Park Alliance
- Brooklyn Academy of Science & the Environment
- Poetry Activity with Local Educator



Panel Discussion

Panelists:

- Anthony Acevedo, an Arborist with Urban Arborist
- Aurelia Casey, youth program manager of Gowanus Canal Conservancy
- Christine Cieslak, an intern and urban avian educator of National Audubon Society
- Nichole Henderson-Roy, director of NYC Parks Stewardship team with Environment & Planning



Stations at a Glance:



New Stations!



Standout Stations



Responses & Reactions

"I just wanted to say thank you so much for helping put together such a great experience for my students. Please forward our gratitude to Christina and all others involved. We so look forward to next year!," said Lisa Giaimo, IS51 Students and Science Club Staff

Michelle Jennings of Brooklyn Science & Engineering Academy (BSEA), Lead Science and Robotics Teacher and Chaperone at this event, expressed that she was very appreciative to Green Horizons to expose her students to a day like this where her students had the opportunity to explore environmentally focused careers and learn in an outdoor, out of the classroom environment.

Learning Moments



- Check-in Tabling Opportunity was successful
- Develop "Teacher Bags" more
- Panel was successful but maybe in another format
- Schedule to be re-adjusted for school transportation accommodations
- 45 minute lectures may be slightly too long but overall, well-received
- Students responded well to the new station additions of arts-related and nature-adjacent stations.



Next Green Horizons.... Queens?

*Interested in supporting Green Horizons? Email Christina at **christina@treesny.org***