

# Sustainability Initiative Basics

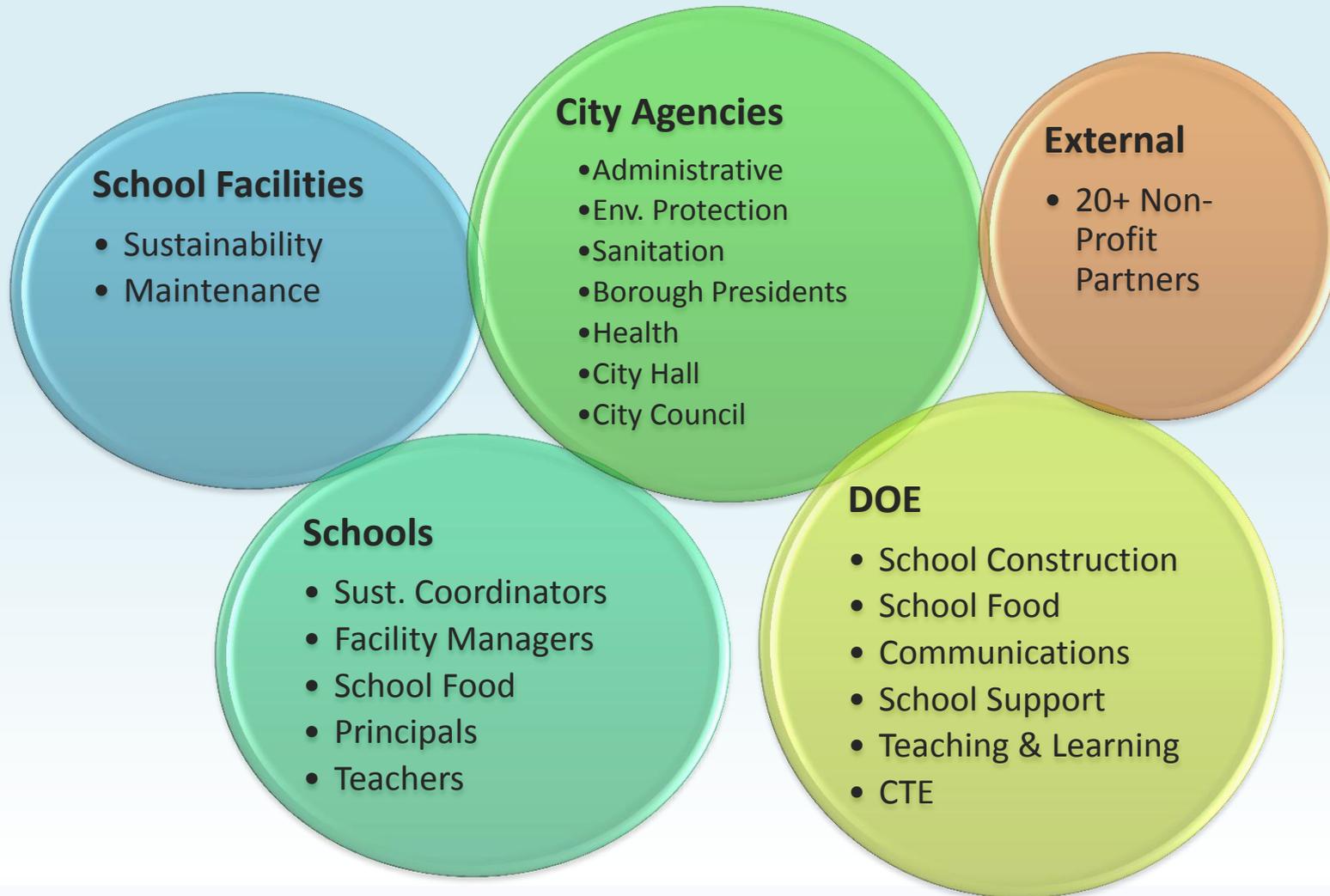


# Agenda

- Sustainability Initiative
- Roles & Responsibilities
- Green Teams
- Project Planning

# NYC DOE Sustainability

*1.1 million students  
135,000 faculty/staff  
1,800+ schools  
1,300+ buildings*



# Five Pillars of Sustainability

- Energy
- Waste Management
- Water
- Curriculum
- Ecology



# One New York

The Plan for a Strong  
and Just City

[nyc.gov/onenyc](https://nyc.gov/onenyc)

## Vision 3

**New York City will be the most sustainable big city in the world and a global leader in the fight against climate change**



80 x 50



Zero Waste



Air Quality



Brownfields



Water  
Management



Parks & Natural  
Resources



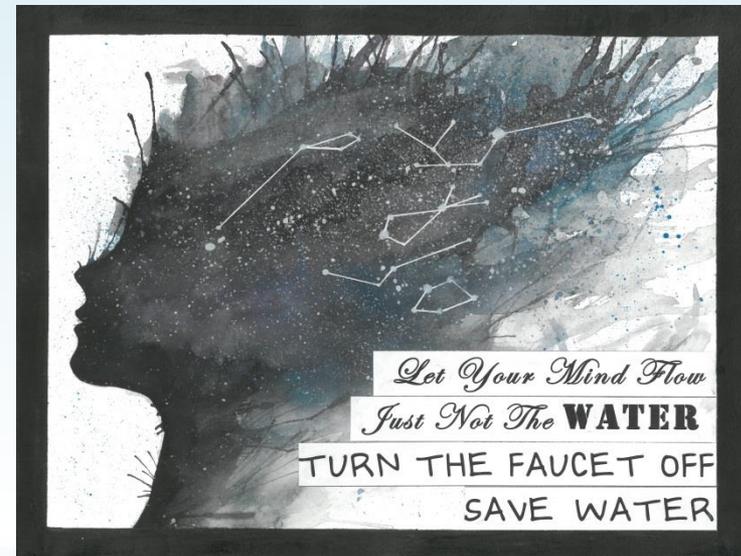
The City of New York  
Mayor Bill de Blasio

Anthony Sominis  
First Deputy Mayor

**NYC**

# Outreach

- Annual Trainings and Webinars
  - Sustainability Coordinators
  - Facility Managers
  - School Food Managers
- Energy Challenges
  - Green Schools Alliance
  - Solar One
- Student Art Contest
- Student Video Contest



# Website

[schools.nyc.gov/sustainability](http://schools.nyc.gov/sustainability)

<a href="#">Home</a>	<a href="#">About</a>	<a href="#">Coordinators</a>	<a href="#">Facility Managers</a>	<a href="#">Teachers</a>
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DOE Home Page > Schools in the Community > Facilities > Sustainability



## New Designation/ Plan Process!

In September, the Sustainability Initiative is unveiling a newsustainability coordinator designation form and annual sustainability plan process in conjunction with Green Schools Alliance. Principals: Designate your coordinator by September 26! Click here for more information.

[Read More](#)

1 2 3



 [Our Newsletter](#)

 [Our Reports](#)

 [Questions?](#)

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## Energy

Reduce greenhouse gas emissions from DOE buildings and schools by 30 percent by 2017



## Waste

The goal is to double the annual recycling rate by 2014 from a 2008 baseline



## Ecology

Participate in citywide green initiatives, programs, and contests that facilitate student environmental activity and



## Water

Provide programs to reduce water consumption and increase water efficiency

# Newsletter

[sustainability@schools.nyc.gov](mailto:sustainability@schools.nyc.gov)



The **NYC DOE**  
Sustainability Initiative

## SUSTAINABILITY INITIATIVE NEWSLETTER

### School Spotlight



Mr. Eco flew into Queens to give the students at P.S. 40 an Eco Hero Experience.

### Partner Spotlight



Materials for the Arts offers programming focused on creative reuse: making art with readily available materials and the ever-changing MFTA warehouse inventory.

[News](#)

[Events](#)

[Opportunities](#)

[Resources](#)

# Sustainability Coordinators

- Mandatory
  - Each school must designate a sustainability coordinator by the last Friday in September
  - Sustainability Coordinator must fill out the online sustainability plan by last Friday in October
  - Sustainability Coordinator must fill out the annual survey by the second Friday in June
- Roles and Responsibilities
  - Develop and implement a site specific Sustainability Plan which shall at a minimum include School Recycling and Waste Reduction Plan
  - Ensure that students are following and practicing Recycling Rules
  - Be the conduit for sustainability initiatives
  - Assist with energy conservation programs
  - If a school is located on a campus, Sustainability Coordinators from each school shall hold periodic campus-wide sustainability meetings to coordinate their sustainability efforts

**\*\* Outlined in Chancellor's Regulation A-850**

# Sustainability Plans/Profiles

[schools.nyc.gov/sustainability](http://schools.nyc.gov/sustainability)

Website is a SEARCHABLE reporting and tracking tool:

- Set goals, measure progress & share best practices with other schools
- Learn about and connect with other schools locally and globally
- Record and report accomplishments

**MEMBER SCHOOL PROFILE PAGES**

Tweet 3  
Like 7



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configure edit vi

Search by School Name

Search by Toolkit Topic:  
<Any>

Search by Country/State:  
-New York

Search by Type:  
<Any>

Search By Urban / Rural:  
<Any>

Search by Boarding / Day:  
<Any>

Search By Grade Range:  
<Any>

Search

New York

Abraham Joshua Heschel School  
Bank Street School for Children  
Berkeley Carroll School, The  
Brearley School, The  
Bronx Center for Science and Mathematics

Allen-Stevenson School, The  
Bedford Central School District  
Blue School, The  
British International School of NY, The  
Brooklyn Friends School

# Checklist

## 4. How We Reduce Our Footprint:

### Building Design & Performance

- New Construction Policy** (Require new buildings to be certified LEED Silver or a comparable third-party rating system.)
- Adaptive Reuse** (Repurpose buildings where possible as needed)

### Energy & Climate Change: Energy Conservation & IT Policy

- Sleep Mode** (Set computers, monitors, & photocopiers to sleep when not in use)
- Temperature Settings** (set night-time/unoccupied mode to save energy)
- Water Heater Settings** (Set no higher than 120 degrees)

### Energy & Climate Change: Energy Efficiency & Management

- Air Conditioning & Heating Efficiency**
- Building Automation Systems** (Set 68 in winter / 74 in summer; each degree raises energy use 2-3%)
- Energy Management Plan** (Develop school-wide or district-wide policy)
- Equipment Purchase Policy** (Use Energy Star<sup>®</sup> electronic purchase policy for Motors, Pumps, Air Conditioners and other Consuming Appliances)
- Signage** (Encourage efficient use of lighting and/or computers)

# Sharing Your Story

[www.greenschoolsalliance.org](http://www.greenschoolsalliance.org)

Use your school profile to engage your school community!

## Q585 MASPETH HIGH SCHOOL



This GSA profile serves as the school's annual sustainability plan and the actions described support the DOE's sustainability goals; to increase waste diversion in schools, to reduce greenhouse gas emissions by 30% by 2017, to encourage participation in citywide ecological and PlaNYC initiatives, and to educate students in environmental stewardship.

### 1. Our School:



**School District:** Community School District 24

**School Code:** Q585

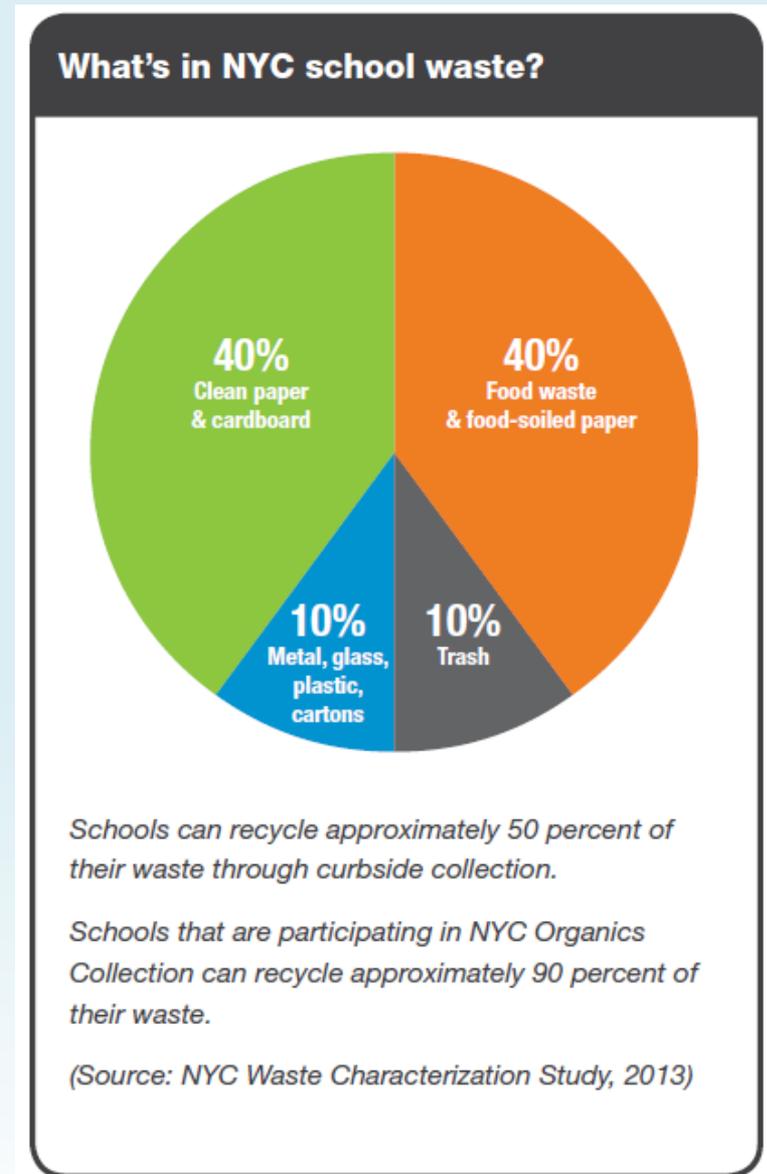
# Waste Management

By Law, schools must:

- **recycle** in cafeterias, classrooms, offices, hallways, auditoriums, gyms – anywhere waste is discarded
- **separate Organic Waste** in cafeterias and kitchens (participating schools)

Online list of Organic Collection schools:

<http://schools.nyc.gov/community/facilities/sustainability/about/waste.htm>



# Collection Schedule for **Organics Schools**

All **organics schools** receive:

- 5x a week organics collection
- 3x a week paper recycling
- 2x metal, glass, plastic, and carton recycling
- 2-3x trash (on residential day)

DOE Building Code: <u>K917</u> Address: <u>350 CONEY ISLAND AVENUE</u>							
Material Type	Instructions	MON	TUE	WED	THU	FRI	SAT
<b>organics</b> 	Set out <b>by 4 PM</b> on collection day in latched organics bins	X	X	X	X	X	
<b>mixed paper &amp; cardboard</b> 	Set out <b>by 4 PM</b> on collection day in clear bags or bundles	X		X		X	
<b>metal, glass, plastic &amp; cartons*</b> 	Set out <b>by 4 PM</b> on collection day in clear bags		X		X		
<b>garbage*</b> 	Set out <b>after 5 PM</b> on day before in clear bags		X		X		X

# Key People for your Recycling Program

- School-Based
  - Principals, Assistant Principals
  - Sustainability Coordinators
  - SchoolFood Staff
  - Teachers
  - Parents
- DOE Support
  - Sustainability Office
  - School Facilities – Deputy Directors of Facilities
  - SchoolFood
  - Superintendents
- Department of Sanitation
- GrowNYC Recycling Champions

# Recognition Programs

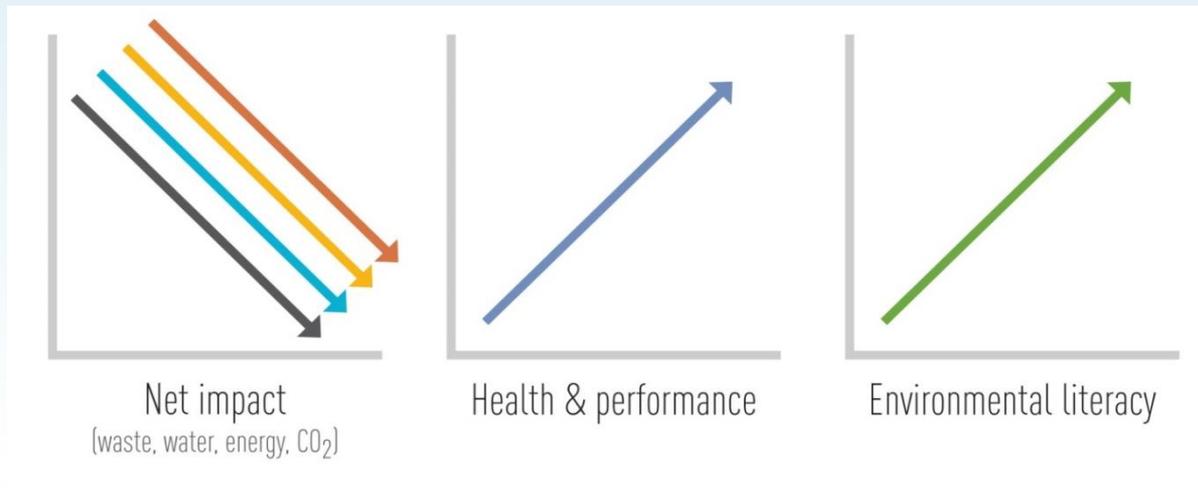
## DOE Sustainability Excellence Awards

District-Level Recognition



NWF Eco-Schools Green Flag Award

## US DOE Green Ribbon Schools



# Partners



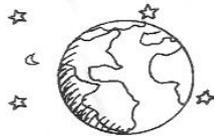
# Build a Green Team



- Student driven and inclusive
- Informs and provides a link to the greater school community
- Often takes the lead in determining how best to carry out Environmental Audits and develop Action Plans

# Recruiting Your Green Team

THE GREEN TEAM NEEDS  
YOU!!!  
TO PROTECT  
THE ENVIRONMENT  
& ITS ECOSYSTEMS



SO..WHAT CAN YOU DO?

- SIGN UP TO BECOME A TEAM MEMBER
- LEARN ABOUT ENDANGERED ANIMALS
- HELP OUR SCHOOL SAVE ENERGY AND REDUCE WASTE
- BE A SPOKEPERSON FOR WILDLIFE!!
- BECOME A CITIZEN FOR GLOBAL CHANGE
  
- BEGINNING 10/29/13, APPLICATIONS WILL BE OUTSIDE ROOM 306 IN A MANILA ENVELOPE AND OTHER LOCATIONS IN SCHOOL (TBA)
- OPEN TO GRADES: 3,4,AND 5 ONLY
- MEETINGS ARE FRIDAY 8:00 A.M.
- PARENTAL PERMISSION NEEDED!!!  
\* MRS. MIDDLETON  
SUSTAINABILITY COORDINATOR



# Diversity = Resiliency



# Build Green Team Unity!



# Choose a Project or Goal



Eco-Schools USA  
NATIONAL WILDLIFE FEDERATION®



# Community Involvement



Maspeth High School Green Club and Million Trees NYC distribute free trees, Fall 2013

Connect with another school, a local business, a non-profit, a city agency! Share what you have accomplished, collaborate on projects, and/or tap into resources, advice and help.

**Most Important: HAVE FUN!**



# Project Planning



# Make it a team effort

Principal

Guidance Counselor

Parent Coordinator

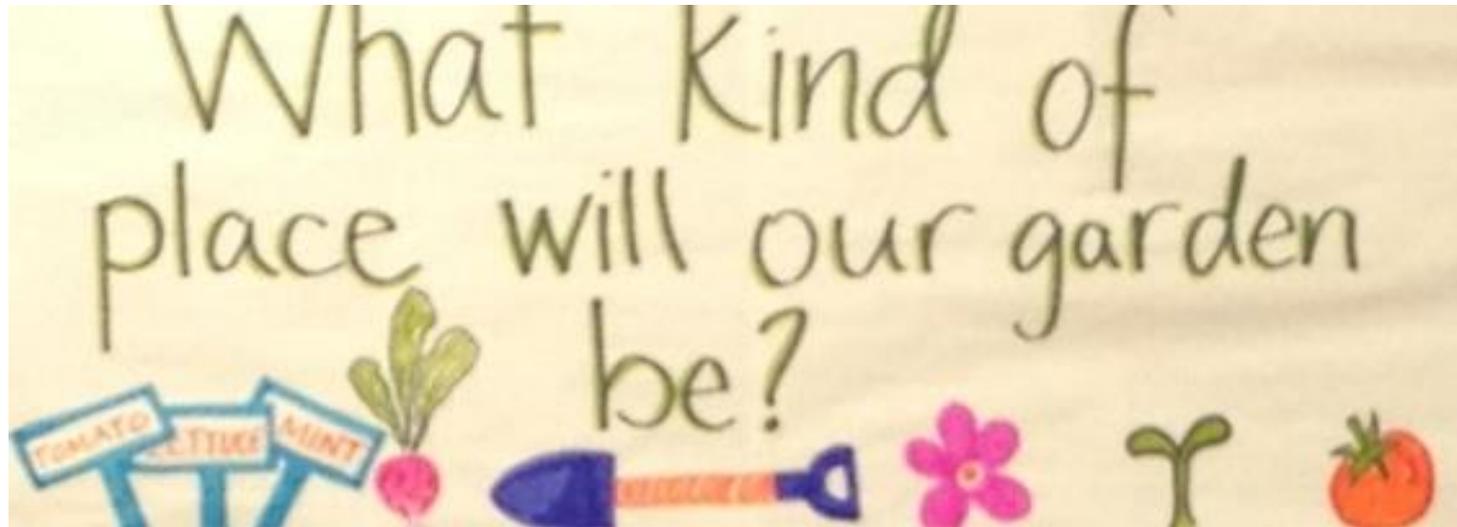
Custodian

Science Teacher



P.S. 226 (Bronx, NY)

# Have a shared vision



Why do we want the school to have a garden?

How will the garden support the educational goals and values of the school?

What are our goals for our first growing season?

Where will we build our garden?

Which classes/grades will work in the garden? What subjects will we teach there?

How will we work with parents and the school community?

# Start small





# Create a budget

Item	Cost (Per Unit)	Est. #	Total Cost	
<b>Garden Supplies</b>				
Rubbermaid Horizontal Garden Shed	400 (per piece)	1	400.00	Target
Seed starting kit, 24	16.95 (per kit)	10	169.50	Garden Supply Company
Tulip & Hiacynth bulbs	0.75 (each)	250	187.50	
Superhoops, set of 6	14.85 (per set)	3	44.55	Garden Supply Company
Large set of Markers, set of 25	16.95 (per set)	2	33.90	Garden Supply Company
Herb, flower and veggie seeds	1.3 (per Packet)	50	65.00	
Garbage Bags	16.99 (30 recycled plastic bag	2	33.98	
Wooden Stakes	1.68 (each)	12	20.16	Garden Supply Company
Soil / bagged	7.97 (per 2 cu. Ft.)	35	278.95	Lowes
Twine	2.24 (per 190 Ft.)	4	8.96	

# Don't go it alone

## Government Partners



New York State  
Department  
Of Agriculture  
And Markets



## Non-Government Partners



# Learn what you can before you start

growTo  
LEARNnyc

**Grow to Learn Workshop: Grant Writing  
and Garden Planning Workshop**

Tuesday, October 15th



**Street Tree Care for Kids**

Tuesday, October 21st



**Teaching in the Urban School Garden**

Thursday, October 23rd



NYC Parks  
GreenThumb

**Fall Planting and Season Extension**

Wednesday, November 5th

# Get what you can for free



**NYC Parks**  
GreenThumb



growTo  
**LEARN**nyc



THE DAFFODIL PROJECT



**NEW YORKERS  
FOR PARKS**



million**trees**NYC™

A PLANYC INITIATIVE WITH NYC PARKS AND NEW YORK RESTORATION PROJECT

# Celebrate victories!



# Project Planning

- Make it a team effort
- Have a shared vision
- Start small
- Spend time creating a plan
- Create a budget
- Don't go it alone
- Learn what you can before you start
- Get what you can for free
- Celebrate victories!



**Empower  
our Youth!**

# Contact Us

[sustainability@schools.nyc.gov](mailto:sustainability@schools.nyc.gov)

718-349-5738

<http://schools.nyc.gov/sustainability>

