Fostering Stewardship, Community & Inspiration for Learning

2003

An enclosed courtyard approximately 20'x75' connects the new addition with the existing Springhurst building, funded by the

Dobbs Ferry School District

2004

The Vision: Transform the courtyard into an educational space that is utilized as an extension of the traditional classroom, providing endless possibilities for creativity, interaction, observation and instruction

Speech Pathologist, Barbara Miglio takes the lead as the Outdoor Classroom Facilitator, acting as a liaison to the administration and initiating grant writing to move the project forward

Original stakeholders:

Barbara Miglio, Tricia Zarro, Tara Galati, Dorothy Dunn-Brosnahan, Susan Segall, Celia Catania and Sara Cashen



2005



Steering Committee: Barbara Miglio, Tara Galati, Mary Gallagher, Patricia Young, Ellyce Cavanaugh, Jessica Bauer, Jamie Block, Christina Bochicchio, Doug DiStefano, Patty Duane, Patti Giuliano, Winnie Madden, Rosemary Donovan, Sara Cashen, Dorothy Dunn, Lisa Doty and Doug Berry

"Starting From Scratch" School Garden Workshop at Stone Barns and conference from the National Wildlife Federation-Creating Schoolyard Habitats attended by select faculty members

The Dobbs Ferry School Foundation extends the grant to conduct site visits at thirteen Westchester county schools with operational outdoor classrooms and fund teacher initiatives

Beverly Isis, landscape designer uses student, staff and community ideas to guide the vision for the Outdoor Classroom

A presentation of the Outdoor Classroom's growth plan is shared with the **Dobbs Ferry Board of Education** and subsequently, the community

The Dobbs Ferry School Foundation awards initial grant to fund the Outdoor Classroom, including a landscape architect, landscape designer and mini grants for teachers to participate



2006

The Dobbs Ferry School Foundation awards a phase two grant to cover the implementation plan

Eberlin & Eberlin Landscape Architectural Design Services and **Con-Tech Construction** conduct the site clean up, grading and drainage, pavement, concrete sitting wall and stage

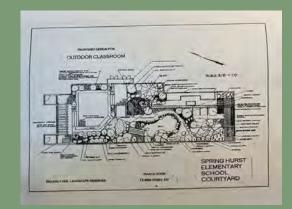
Design & Development

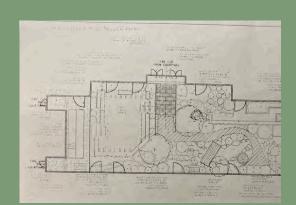
2004-2007

In-Kind Contributions: Dee Dunn, Hettie Jordan Villanova, Summer Design Institute at Cooper Hewitt Design Museum, Dobbs Ferry PTSA, Susan Segall, Elizabeth Martin, Jamie Block, Groundworks Yonkers and The Girl Scouts of America

Barbara Miglio and **Ellyce Cavanaugh** begin "Green Team" meetings to expose the the Outdoor Classroom to faculty members

Proposed Designs





2007-2008

Project Development Quest Grant "Making It Grow" is awarded, providing garden tools, raised garden beds and seeds

Captain Planet Foundation grant awarded for construction of additional raised garden beds, a compost tumbler and vermi-compost materials

Springhurst Ecology Club begins under the leadership of **Ellyce Cavanaugh.** 40 students participate to become the first stewards of the Outdoor Classroom

The first **Harvest Soup Day** takes place, serving vegetable soup to K-5 students during lunch periods

2009

Debra Borwick and **Sara Sellitti** maintain the Outdoor Classroom and begin expanding the Green Team to support its growth

The 2nd Annual **Harvest Soup Day** takes place, and the first ever **Salad Day**, serving organic greens to 669 students

Dobbs Ferry PTSA members contribute time and ingredients for both events

Fundraising for the garden is established through reusable water bottle and plant sales



Sara Sellitti introduces a schedule for seasonal garden tastings and creates a system for classrooms to participate. The Outdoor Classroom quickly becomes a living laboratory

Artistic Expression

2010

Haifa Bint-Kadi, artist In residence, designs two mosaics depicting Dobbs Ferry and the Hudson River on the Outdoor Classroom wall. First and second grade students assemble the tiles with the support of **Dobbs Ferry PTSA**



2013

Artists in residence **Jennifer Levine** and **Scott Massarsky** paint the retaining wall with fourth and fifth grade **Ecology Club** students led by **Ellyce Cavanaugh**



Dobbs Ferry PTSA & School Foundation Support









2009-2014

In-Kind Contributions: Celia Catania, Joanie Dinowitz, Debra Borwick, Mary McNamara, Lara

Nasser Shuraida, Sara Sellitti, , The Viggiano Family, Lyndsey Schiff, Linda Davidson, Beth Maas, Carol Kearns, Bruce Paquette, Kim Hord, The Boy Scouts of America, Nancy Delmerico and Abby Connett











Kiode & Edith Winthrop Teacher Center Grants

Four teachers participate in "Growing School Gardens" to teach health, wellness and sustainability, cosponsored by **Stone Barns** and **BOCES Center for Environmental Education**. Three participate at **Manhattanville College Summer Institute**, cosponsored by **CELF Summer Institute** and **Shelburne Farms** in Vermont

In-Kind Contributions: Molly Dempsey, Teresa Williams-Ameen, Farhad Ameen, David Lyons, Daniel Nelson, Robert DiFiore, Nancy Broccoli, Middle School Ecology Club led by Claudia Ducic, the Dobbs Ferry PTSA Wellness Committee and The Dobbs Ferry Garden Club







It Takes A Village



2015

A budget line is created by the **Dobbs Ferry PTSA** for environmental learning under
President **Mary McNamara**, providing
opportunities for all students to participate. The
first chair of the Dobbs Ferry PTSA Green Team
is established, to expand the reach of the
Outdoor Classroom and Garden

The Dobbs Ferry School Foundation awards a grant for a garden irrigation system and grow lights, offering an extension of the growing season to increase student participation and classroom connections by starting seeds

The Edith Winthrop Teacher Center awards a grant "From Soil to Seed to Plant" to begin the first K-3 introduction to compost making by providing materials

The Dobbs Ferry PTSA supports a further expansion of the irrigation system, making the garden more efficient















In-Kind Contributions: Nancy Hartnett, Barbara Miglio, Lisa Callahan, Molly Dempsey, Michelle Jaeger, Patti Hartnett, Brooke Bass, Julie Fischer, Sue Galloway, Beth Suhocki, The Dobbs Ferry Garden Club, Carol Kearns, Jerry Foley and Celia Baldwin



2014-2018

Elizabeth Pinkava and Currier Todd advise the Springhurst Ecology Club







COMPOST KIDS

2015 Compost Kids Curriculum launches under Doug Berry, Assistant Superintendent for Curriculum and Instruction

COMPOST KIDS helps students understand what it means to close the loop on their own food cycle. By learning to divert a valuable resource such as food waste from landfills, students learn stewardship, hands-on methods of waste reduction, and sustainable gardening in the **Outdoor Classroom**

Lessons on Waste Reduction

The lessons teach the fundamentals of composting and soil care as they relate to growing food in a sustainable way. Lessons complement the existing science and social studies units of study for each grade and connects hands-on learning to the Springhurst curriculum and Common Core State Standards. This program provides opportunities for young scientists to do research in a living environment within their own school garden. Students gain the understanding that we don't feed our plants, but instead, we feed the soil to grow healthy food





2016

Barbara Miglio and **Sara Sellitti** partner with **Pamela Davis**, an instructor for Teacher Professional Development at **New York Botanical Gardens**, and Master Composter with **NYC Compost Project**, to present six hands-on lessons. The **Dobbs Ferry PTSA** funds the pilot program in Kindergarten, 1st and 3rd grade classrooms

Compost Kids is presented to the Dobbs Ferry Board of Education by Barbara Miglio, Julia Drake and Sara Sellitti, and offers a new way to look at food waste and recycling in a school setting

2017 LoHud

"Circle of Composting Life in Full Swing at Springhurst"

https://www.dfsd.org/cms/lib/NY02214206/Centricity/Domain/75/SpringhurstComposting-LohudArticle.pdf



"Compost kids is a program that I have participated in for years. It is one of my favorites because it instantly connects my students to the needs of our planet. The program helps them take responsibility for the waste they make through hands-on activities. It is so fun to watch them get dirty and ask lots of questions about the composting process, worm bins and growing food."

-Christina Bochicchio, Kindergarten Teacher



COMPOST KIDS

Braeden Cohen, an Organic Waste Recycling Specialist and **Cornell Cooperative Extension** Master Composter Educator, conducts an audit of all waste generated at Springhurst for one week, and proposes a design for a facility size compost system to handle food scraps from the cafeteria and kitchen



The **Dobbs Ferry School District** supports a new infrastructure for recycling and composting on-site, becoming the first school in Westchester County with an aerobic compost system on a facility-size scale



Architect, Liz Van
Der Zandt creates
the first sketch.
Architect, Steve
Sudak, generates
a rendering of the
proposed
educational space
with a carport and
solar panel
component



Head Custodian **Robert DiFiore and Angel Centano** construct the compost system using Urban Farm Plans

<u>Compost Knox</u> and <u>O2 Compost</u> system plans



Will Hord, Eagle Scout, Class of 2020, designs a counter weight system, an engraved patio, and constructs a fence using wood pallets, defining the educational space, advised by Barbara Miglio and Sara Sellitti





Springhurst Recycles & Composts



The **Dobbs Ferry PTSA** awards an Insta Grant to **Barbara Miglio** and **Sara Sellitti** for an in-school assembly to deliver recycling and composting demonstrations, presented by **The Greenburgh Nature Center's Sustainability Team**



A **Slow Food Grant** is awarded for custodial infrastructure supplies to support recycling

Math Olympiad, led by **Josh Rosen**, analyzes the data from the waste audit and presents to the stakeholders



Dobbs Ferry PTSA members provide additional support and train students on NYS recycling laws in the cafeteria and at school-community events



The first food donations are collected in the lunchroom to divert wasted food from the landfill. Food is delivered to several local food pantries by **Barbara Miglio**, **Sequoia Jarrin** and **Sara Sellitti**



Aramark, the school district's food service provider transitions to compostable paper products in the lunchroom, and begins reducing single-use plastics

The Dobbs Ferry School District contracts CRP Sanitation to haul bulk organic material to Sustainable Materials Management in Cortland Manor

A Place For Exploration & Curiosity



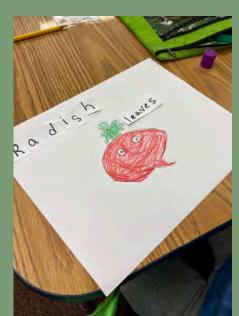






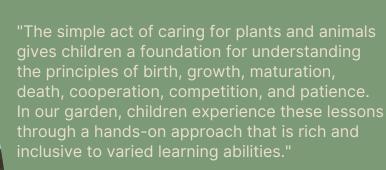












-Emily Mandel, Special Education Teacher







"I loved my time at the Springhurst garden as a senior intern. I found it so meaningful to be a part of it again, and to see how involved the current students are with it."

-Ella Bernheimer, Class of 2022







A Place For All

"SPRING Community Partners and Springhurst Summer Academy program includes the tremendous, impromptu opportunity presented by the summer work that continues in the Springhurst Garden, long after salad day is cleaned up and before soup day is on the radar. As the hallways were being used by the Summer Academy classes, Sara Sellitti, Garden Coordinator extraordinaire, welcomes each grade level and offers to host class sessions for the students to get their hands dirty, help, and learn about tending the garden. The kids are thrilled and enjoy being outdoors, working together, making observations, and asking questions. This adds to the exploration of different project-based learning styles that Summer Academy offers."

-Robin Larkins, Executive Director of SPRING Community Partners

"One of the many gifts of the **Outdoor Classroom** include opportunities to learn from nature's classroom about growing and harvesting fruits and vegetables, attending school special events like Soup Day and Salad Day, the simplicity of reading a book with the sun on our face and the grass underneath us...all are unique and priceless gifts that this outdoor learning space gives to the students of Springhurst. This outdoor learning space is an additional tool in my teacher toolbox that I can use to engage students and excite them about learning."

-Patricia Zarro, 1st Grade Teacher





Barbara Miglio and **Sara Sellitti** launch the Compost Keepers Program, providing leadership roles and peer to peer support for recycling and waste reduction

Student Government, led by **Donna Misrok**, delivers additional peer to peer support to K-3 classrooms









Harvest Soup Day

Hover over the photo to play video





Hover over the photo to play video

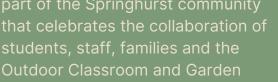


SPRINGHURST OUTDOOR CLASSROOM SOUP DAY 2010





Soup Day, supported by The **Dobbs** Ferry PTSA, has become an integral students, staff, families and the



2022 & 2023 Dobbs Ferry School **District Soup Day Videos**

https://dfsd.hosted.panopto.com/Panopto/Pages/Viewe r.aspx?id=f49f4130-11a5-40be-9a03-af410107cdb7r paragraph text

https://dfsd.hosted.panopto.com/Panopto/Pages/Viewe r.aspx?id=f1efca77-db93-4727-aee6b0a6010a25d6&query=soup%20day









Salad Day







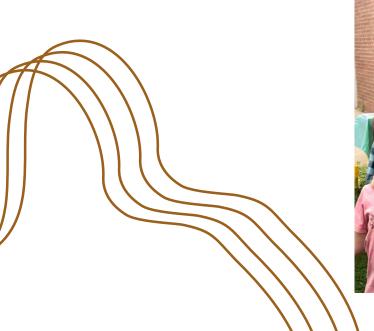
Supported annually by the **Dobbs Ferry PTSA**, salad and other garden offerings are served to 703 students and 140 faculty and staff members in 2023













K-12th Grade Stewardship









2019

Mario Viggiano, Eagle Scout, Class of 2019, designs and constructs a watering can station, outdoor bulletin board and a numbering system for the raised garden beds, advised by Sara Sellitti



















"I loved spending time with younger students caring for the garden and bringing what I learned back home to teach my mom."

-Rachel Masterson, IB CAS Student, Class of 2022

Coordination

2018

After twenty years of teaching in Dobbs Ferry, **Barbara Miglio** retires from Springhurst

Sara Sellitti co-coordinates the Outdoor Classroom with **Dr. Lauren Dwyer**, keeping the vision of the Outdoor Classroom moving forward





The Girl Scouts participate in a Spirit Day to transform the main entrance of the school's landscape and continue to nurture the Outdoor Classroom and Garden

2021

Sara Sellitti becomes the Outdoor Classroom Coordinator for the **Dobbs Ferry School District** and oversees **Compost Kids**

The Outdoor Classroom and Garden is maintained during an unprecedented school closure, and produce is delivered to the Dobbs Ferry Food Pantry at the South Presbyterian Church on a weekly basis for the duration of the pandemic



Sara Sellitti launches Food Recovery Wednesdays. Unused food from the Springhurst cafeteria and garden produce, as well as food from the Middle/High School is transported to the South Presbyterian Church food pantry by a network of Dobbs Ferry PTSA and SPRING Community Partner volunteers on a weekly basis

K-12 Food Rescue is used as a data tracking tool to measure the donated food from the garden, cafeteria and kitchen

Click the link to open a new tab and listen to the podcast



"The collected food items from the school cafeterias have been a vital part of our food rescue program at the food pantry. We are happy to be able to help reduce waste while also providing healthy snacks to our clients. The fresh produce from the school garden is such a welcome treat. We love to tell the clients where the vegetables came from and who the farmers were!"

-Gretchen Skaags, Co-Director Dobbs Ferry Food Pantry



Extension Projects

2018-2019 Compost Days

The Girl Scouts, (led by Meagan Baizan and Smita Abraham) and K-12 students and families work with Sara Sellitti to empty the facility compost bins and transport the fertilizer to the Outdoor Classroom and Garden. A partnership develops between the students, community and the school's facilities department

2021 Jr. Green Team

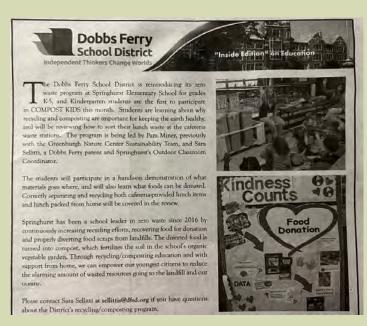
The former Ecology Club is rebranded as Jr. Green Team, an after-school club for environmentally conscious 4th and 5th graders, led by Sara Sellitti. These students become the new stewards of the Outdoor Classroom



Sharon Van Engen and her 8-year-old son, Tighe, sift comp Elementary School on Sunday, Aug. 20, in preparation for it ichool uses four large bins to turn caleteria waste into comp

2022 Recycling & Compost Relaunch

A week long program led by Pam Miner formerly of The **Greenburgh Nature Center Sustainability Team** gets Springhurst students back on track with recycling and waste reduction after a hiatus following the pandemic



2023 Waste Audit

A comprehensive food waste audit is conducted by the Jr. Green Team and families. Comparisons to the 2016 audit are made public, highlighting a reduction in weekly lunchroom waste by 447 pounds, and 18.89 pounds per grade level lunch period



FOOD WASTE

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GONTIFUED FROM PAGE 6

The 2010 New York State Dipartment of the Prison of the

2019 Cabbage Contest

Sara Sellitti secures cabbage seedlings from **Bonnie Plants** and distributes to students in third grade. Nine year old Keric **Roach** wins the national cabbage contest by growing the largest cabbage in New York State. Springhurst holds an assembly to honor Keric and his award-winning vegetable

9-year-old grows award-winning vegetable

Heather Clark Rockland/Westchester Journal
USA TODAY NETWORK

Forget the great pumpkin - it's time for the great

cabbage.

Nine-year-old Keric Roach from Dobbs Ferry has won the National Bonnie Plants Cabbage Program for New York state, thanks to the giant cabbage he grew. The Bonnie Plants Cabbage Program sends participating third-grade classrooms free "O.S. Cross, or oversized, cabbage plants." The program hopes to inspire children to love vegetable gardening. According to Bonnie Plants, over 1 million third-graders participated this year.

Roach's cabbage weighed in at 8 pounds, 13 ounces and measured about 4 feet in width. After being randomly selected by the New York state Agricultrure Department out of over 32,000 participating students, Roach was awarded a \$1,000 savings bond to be used for education.

roach was awared a st,000 savings to into to be used for education.

He said it felt "amazing" to win, adding, "I hugged my mom and thanked her for all her advice."

The program has sparked the young athlete and musician to add "gardener" to his repertoire. According to his mom, llona, Roach read all about growing cabbages and "carefully tended to his plant daily."

Roach said the most exciting part of growing the cabbage was the harvesting.

cabbage was the harvesting.

What did he do with the giant cabbage? Eat it, of

enjoyed colesiaw and stir-fried vegetables the best."
Roach's top tips for growing the biggest and best cabbage are to give it space to grow and supply every-thing it needs, including sunlight, water and good soil. "I have a brother, Keaton, in second grade and he is looking forward to growing his nwn Bonnie cabbage next year," Roach said.

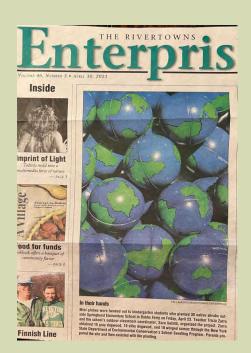
His school will be holding a special assembly where

Extension Projects

2020-2023 Habitat Restoration

Tricia Zarro and **Sara Sellitti** receive native shrubs and trees from the NYS Department of Environmental Conservation Trees for Tribs Program, and organize the first phase of a habitat restoration. This collective effort rejuvenates the landscape by the Beacon Hill stairs, creating a habitat for pollinators and wildlife for students to explore

Participants: 2021 Kindergarten, 2022 First Grade, 2022 Janet Foresti's Fourth Grade Class, High School IB CAS, senior internship students, the 2023 Girl Scouts of America, Sue Galloway, Haven Colgate, Sustainable Dobbs and Elisa Zazzera









2021-2022 Pumpkin Smash Pilot

Victoria Coren, Melinda Canary and **Emily Mandel's students** smash pumpkins in the Outdoor Classroom. Students learn that food is not trash and pumpkins can be recycled to provide fertilizer for the garden







Sara Sellitti creates the first school-wide Earth Day Celebration. The **Dobbs Ferry PTSA** supports the event which connects the work in the Outdoor Classroom and Compost Kids for every K-5 student, through the theme of respect for the Earth



2022 & 2023 DFSD Earth Day Videos https://www.dfsd.org/Page/2943

https://dfsd.hosted.panopto.com/Panopto/Pages/iewer.aspx?id=7c8f3a2c-1fd8-42b1-8723-afeb01711eac&query=salad%20day

2022-2023 Sensory Garden Design

A pollinator garden is established with native plants offering opportunities for social emotional learning. The Outdoor Classroom is designated as a <u>Pollinator Pathway</u> and Monarch Way Station through <u>Monarch Watch</u>, a nonprofit education, conservation, and research program based at the University of Kansas that focuses on the preservation of the monarch butterfly, an endangered species



In-Kind Contributions: Molly Dempsey, Lily Collins, Sue Galloway, The Girl Scouts of America and Gabrielle Tjaden

Press

2016 Rivertown Enterprise



Dobbs Ferry's independent thinkers will change the world

2017 Rivertown Enterprise

Springhurst sets standard for composting





Composting



Composting



2018 Rivertown Enterprise

Five honored for supporting sustainability

litti and barbarat suggin. Enliciptive with the dime in the fore-yering and composting the part of the

Springhurst programs aid food pantry

Springhurst programs aid food pantry
To the Editor:

Springhurst School has been a friend to
the Dobbs Ferry Food Pantry from its begin
ning. In fact, the pantry was started at rise
augustion of SPRING Community Partners,
an important group affiliated with the Dobbs
Ferry schools.
For several years, parents and teachers at
Springhurst have organized a campaign
called "Kids Cam" in which children bringshelf-stable food to school for the pantry.
This year parent Noda Long has been directing this effort, and on Wednesday, Nov. I, shaand her group brought to us eight huge bose
filled with food, cleaning supplies, toiletties
and, importantly, diapers. She's planning,
another food collection in February, and a
third in May. Food collections like Kids Can
are the lifeblood of the pantry, and they keep
us going throughout the year.
In addition to the Kids Can project, parent Sara Sellitti and speech pathologist bar-

Eagle Awards

2019 Rivertown Enterprise

Dobbs schools double down on composting

By Kris DiLorenzo

The compost is for sale or is domated to make a composition of the past. FERRY — Doubling down on efforts to achieve environmentally friendly and waste-efficient campuses, the Dobbs Ferry School District has replaced traditional disposable service-ware with compostable items in the same bin as food scraps, and the waste ends up becoming combination of the past. Rather than beyinghurst cafeteria and the middle/high school Commons.

Paper and plastic products are more affectively and plastic, the take-out containers, polates, cups, and bowls are made of sigarcane fiber; trays consist of 100 percent molded fiber made from material will be shipped there instead.

Composting

CONTINUER FROM PAGE I

Weinborg asserted. "An apple came from the ground and it's going back in the ground." Brady thinks that as cafeterias offer

more fresh vegetables, less sugar, and healthier eating options, students will learn responsibility for their own health and wellbeing, and become better stewards of themselves and the environards of themselves and the environ-ment. She sees that goal as part of social responsibility and a way of reinforcing students' education in those areas. Brady is a zealot about recycling and composting being done properly. "Twe become a dumpster diver," she admitted. "In the cafeteria I'm moving things around the kids see me doing it.

admitted. "In the cateteria I'm moying things around, the kids see me doing it, and kids come up to talk to me."

Outside of school, "I become crazy I can't walk past any garbage pails anymore without making sure everything belongs where it goes," she said. "Once you get it in your system, you

DFSD Press Releases and Video Links

2016 Compost Kids

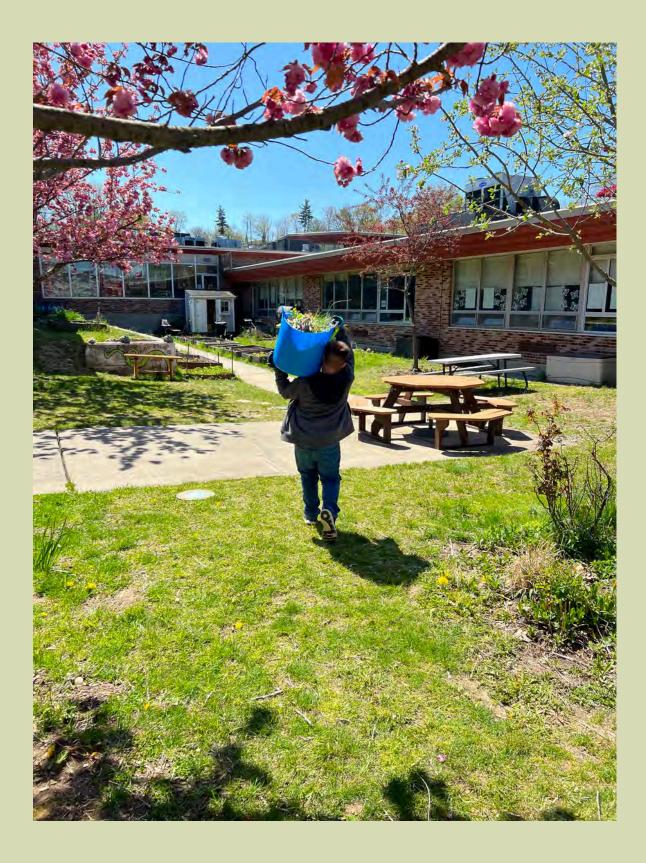
<u> https://www.dfsd.org/site/handlers/filedownload.ashx?</u> <u>moduleinstanceid=2123&dataid=498&FileName=Compost</u> Kids.pdf

2018 Compost Day

https://www.dfsd.org/Page/2254



To Be Continued...



"Salad Day is a beloved tradition that is the product of an enormous amount of love, dedication, hard work and learning. Salad Day is also an incredible example of 'full circle' learning with children engaged in every step of the process: composting, planting seeds in the soil they have created, harvesting, and coming together as a community to eat and enjoy the fruits of their labor. The full school community supports this event and is needed in order to make it happen. Numerous parents/guardians/staff/students and community come together throughout the various stages of Salad Day preparation and execution, donating their time and energy in various ways that support sustainable and healthy living. The result is a special culminating moment to come together as one community to celebrate and enjoy. It's a one-of-a-kind experience that is a highlight of the Springhurst program!"

-Dr. Julia Drake, Principal Springhurst Elementary