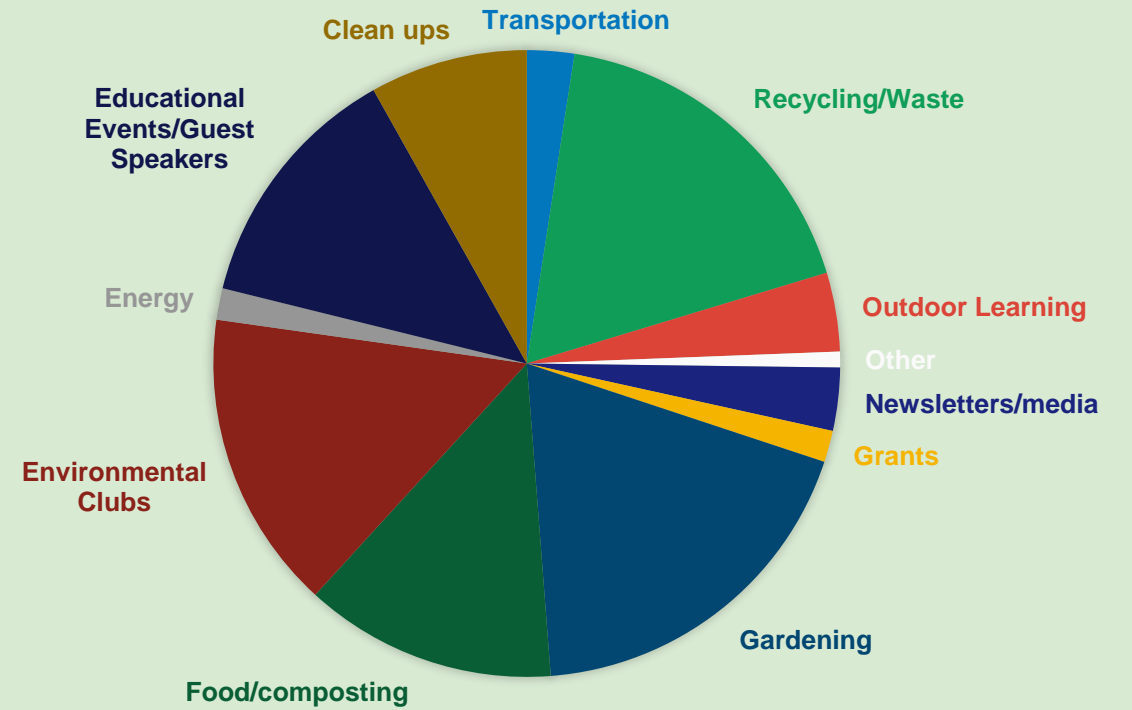
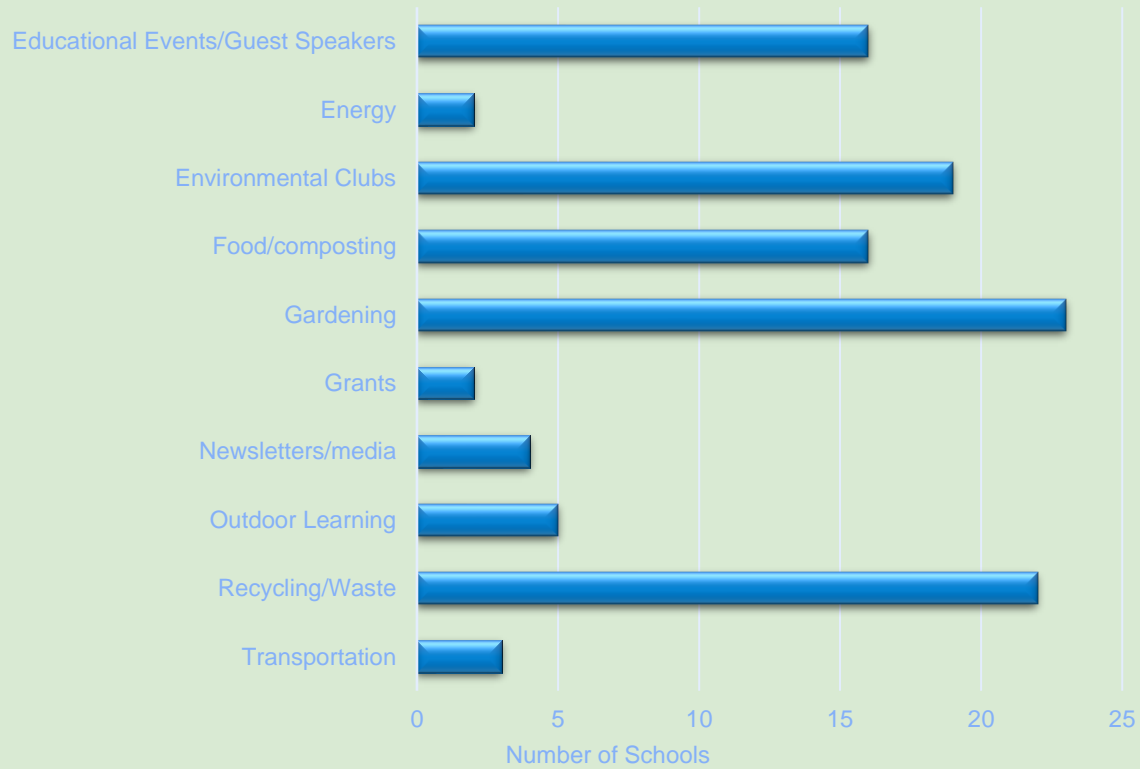


# APS Sustainability Liaison Projects 2022-2023



# School-wide Snapshot



# ECO ACTION TEAM

35 MEMBERS

**P T A**

**RECYCLING  
RANGERS**

**GARDEN  
CLUB**

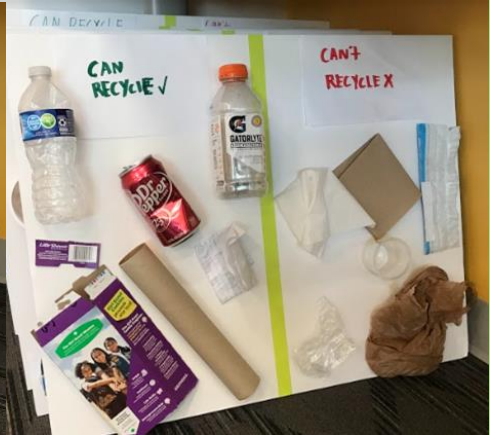
**LITTER  
CREW**



# Abingdon Elementary School

# Alice West Fleet

## The 4th Grade Recycling Ranger Accomplishments!



- Scientist in the classroom!
- Added school yard litter



### Still to come in 2023!

- RR are finalizing plans to launch our first Fleet AFAC food bus!
- RR will lead April School Wide Morning Meeting with an emphasis on Earth Month
- More read alouds to younger grades!
- Setting up the outdoor learning space with help from the PTA.
- 3/22 First Walk to School Wednesday!



# Arlington Community High School

ELD Science students examined microscopic organisms in local stream water.

Students maintain the hydroponic garden.

## Mrs. Clinger Shows Us How to Compost

Have you wondered how you can reduce waste in Arlington AND help the environment?

Do you have a bin that looks like this?

Line it with a compostable paper bag or a certified compostable plastic bag (certified compostable by either the Biodegradable Products Institute (BPI) or the Compost Manufacturing Alliance (CMA)).

You can reduce waste (in the GREEN cans) and then use it to make compost. Composting makes healthy soils for plant growth!

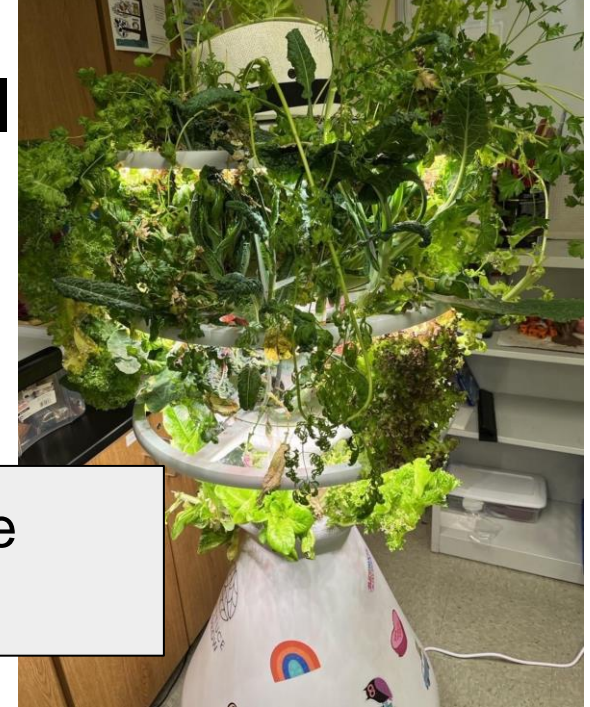
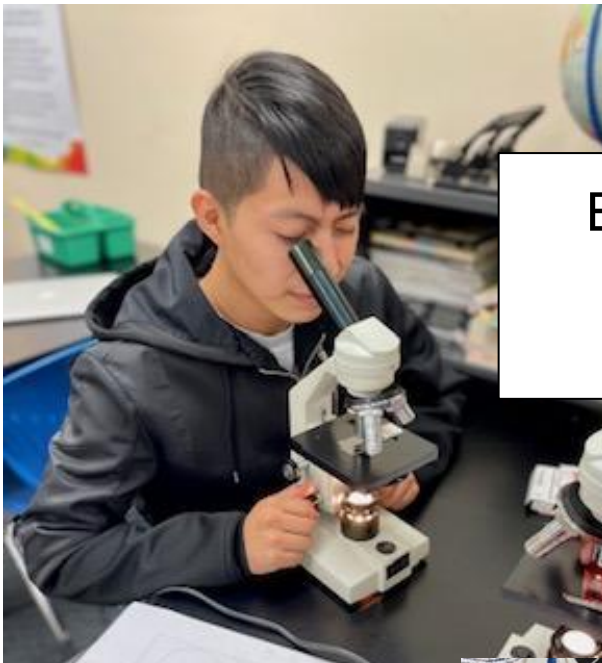
This is a GREAT video to help you: <https://youtu.be/rocDQSPi7sE> (video link from Arlington County Virginia website.)



Newsletter section with focus on sustainability

Picture from the Arlington County Virginia website

<https://www.arlingtonva.gov/Government/Programs/Recycling-and-Traffic/Residential-Organic-Waste/Food-Scraps-Collection/Instructions>  
-2 (under the question tab, "What does the caddy look like?")



Grant application

Staff and students continued sharing gently used items.



# NO PLACE FOR HATE

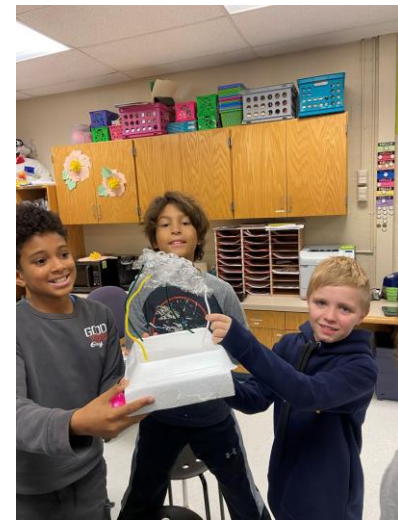
ARLINGTON SCIENCE FOCUS SCHOOL

**\*Fall Gardening:**  
During the science block, students helped weed, mulch, and added new plants to the school grounds.

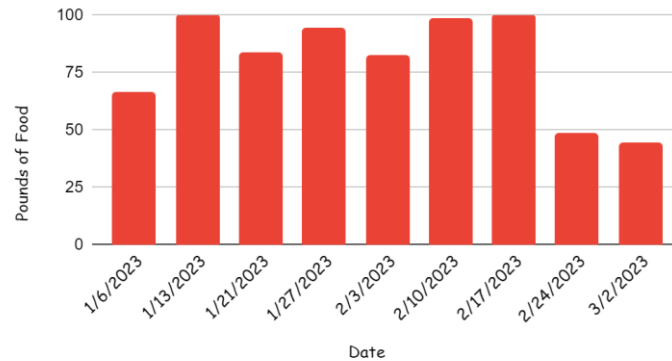


**\*AFAC Food Bus:**  
Since October, we have collected over 1,700 pounds of food to donate.

**\*Outside the Box Day:**  
This is a school-wide event where students use household recyclables to complete different STEM challenges.



AFAC Food Bus



**\*Eco Club:** This club is run by our science lead, Stephanie Lin. Students help keep our courtyard looking beautiful and even harvest some of the vegetables.

# Sustainability at ATS! – 2022-23

**Invasive Plant Removal**



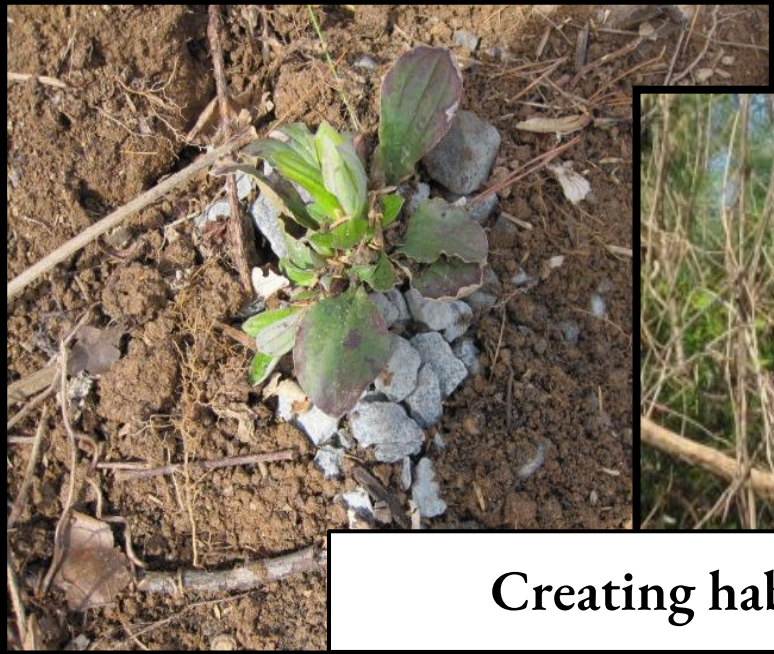
**Planting native plants**



**New gardens!**



**Clothing Recycling at ATS!**



**Creating habitat**

# ***Ashlawn Sustainability***



- ❖ INCLUSIVITY is the word of the year. We have made sure to include ALL Ashlawn students including our fantastic Functional Life Skills classes.
- ❖ Reevesland Planting and Harvesting multiple times throughout the year with all grades!
- ❖ Parents and students brainstorming and fixing runoff issues with our Gaga Ball Court.
- ❖ Understanding the importance of our environment every day!





# Barcroft

1.

Recycling Rangers



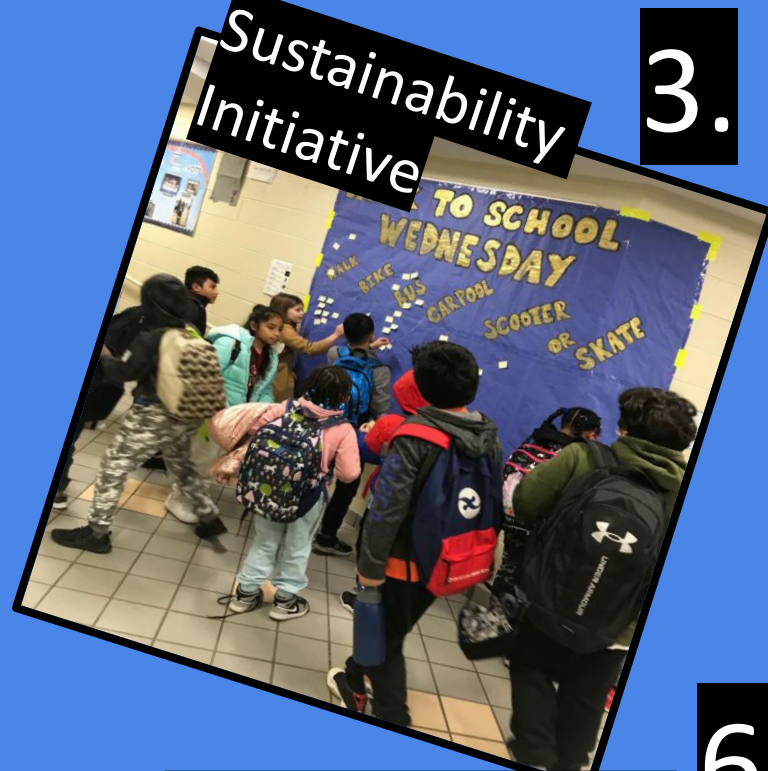
2.

4H Partnership  
MG Volunteers



3.

Sustainability Initiative



4.

Outdoor Education Pilot



5.

Empowering Young People

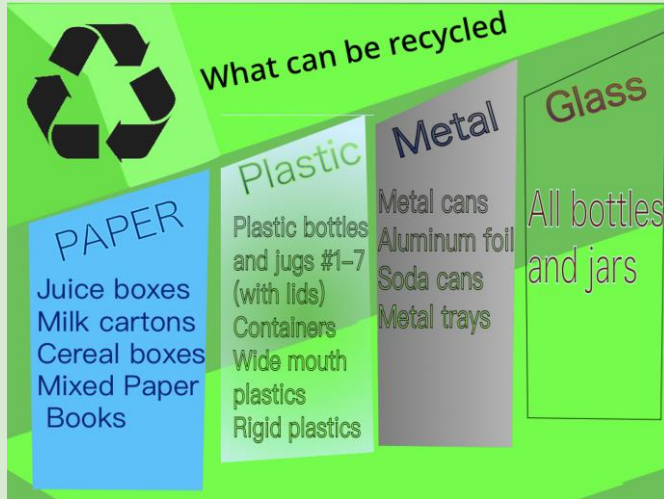


6.

Smithsonian's  
Migratory Bird Program



# Barrett's Sustainability Club



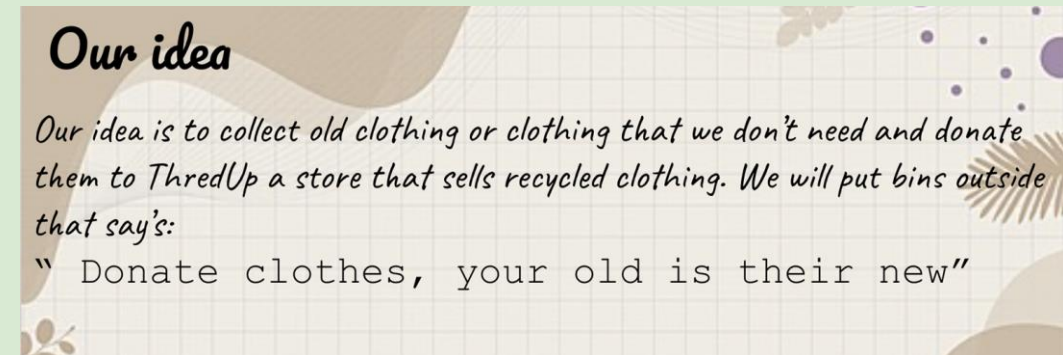
Mrs.Han,

Factory farms contribute to global warming. The animals suffer their whole life being locked up in cages and aren't able to move around. When animals are slaughtered they feel pain and may even cry. Do you really want to think about this while eating meat?

I think we should use family farms meat for the school lunches because even though it's more expensive it's better for the animals. So we can (1) have a fundraiser to fundraise for family farms meat. (2) Make a deal with the family farms company to not have to pay the full amount of money. (3) we can use family farms meat only a few days a week so it's not as expensive. Please give me permission to use factory farms meat. 🙏

Sincerely,  
Natalie from Mrs.Fleenor's class

Students have been researching various sustainable topics such as recycling plastics and papers, deforestation, factory farming, and recycling clothing. Students have taken various actions surrounding their topics. Many have chosen to create a short clip for Barrett's Tiger TV, others have hung posters around the school, one has petitioned to use more sustainable meats in the cafeteria, and others have organized a clothing drive.



# Campbell



**Thank you Campbell community for making outdoor learning/sustainability a part of our culture!**

**Earth Club also starts March 21st!**



**Learning to grow outdoors**



**Learning to grow indoors**



**Food tasting from the garden**



**Composting**



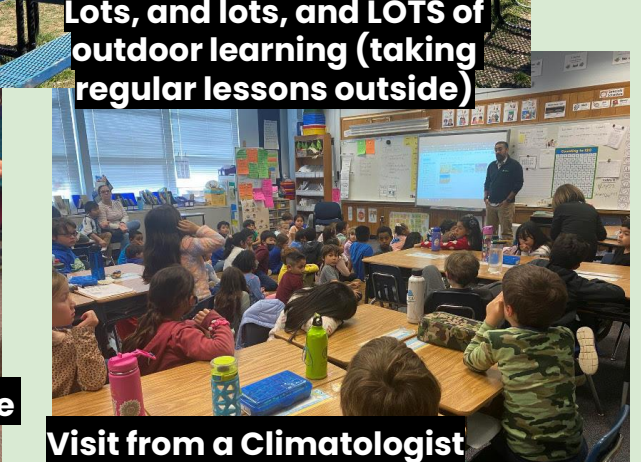
**Nature observation drawing**



**Outdoor Community Meeting**



**Teaching Campbell community about climate change**



**Lots, and lots, and LOTS of outdoor learning (taking regular lessons outside)**

**Visit from a Climatologist**



**Observing germination**



**Upcycle accessories for Ms. Nesselrode!**



## We have a very active Environmental Club!

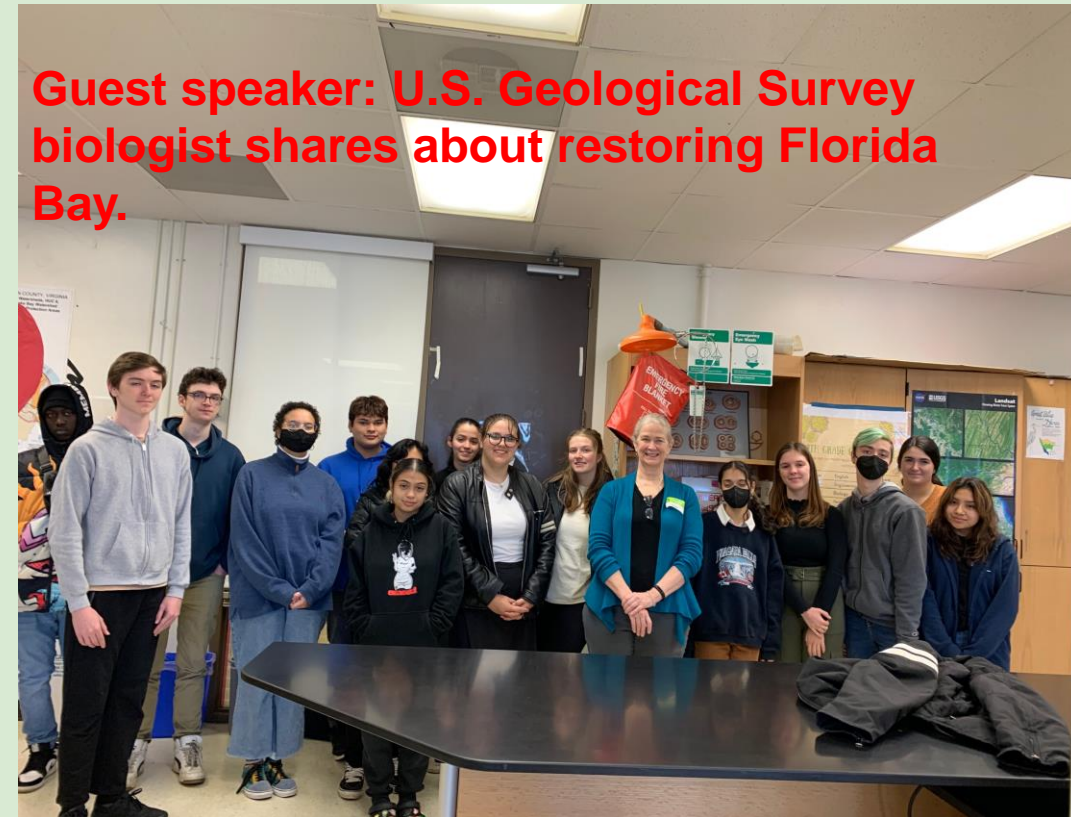
- Two fundraising events for composting
- Monthly excursions to clean up local parks
- Members attended a school board meeting and are working with Arlington Echo to advocate that the planned new building for the Career Center be a zero emissions building.
- Recruit students to help care for and maintain our native plants garden (planted last spring)
- Planned: special event for Earth Day



**EIGHT classes** participating in the [Plant the Moon Challenge!](#) To test out growing food in simulated lunar regolith for the *Artemis* mission.

# ***Arlington Tech and Career Center***

**Guest speaker: U.S. Geological Survey biologist shares about restoring Florida Bay.**





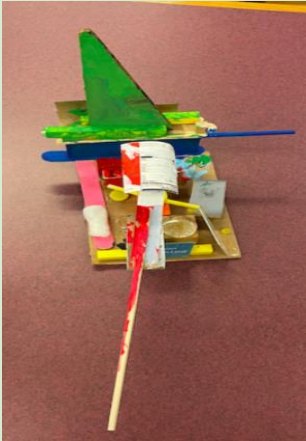
# Carlin Springs

ELEMENTARY SCHOOL





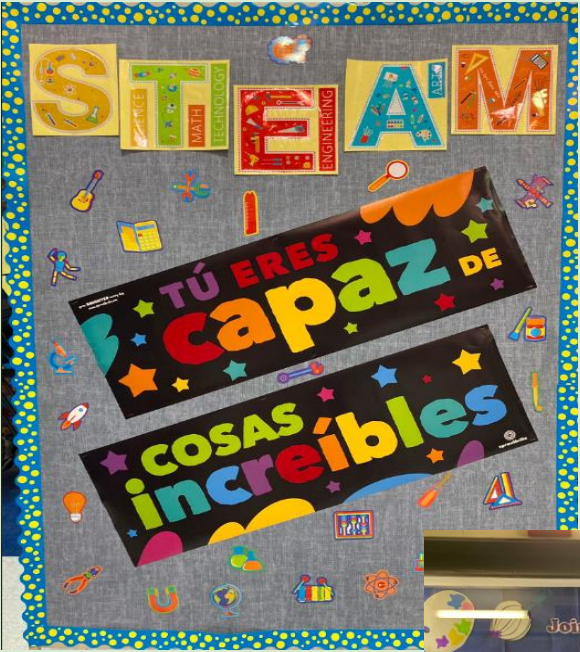
# Recycled Toy Project



# Claremont Immersion School

## STEAM Night

### Trash Club



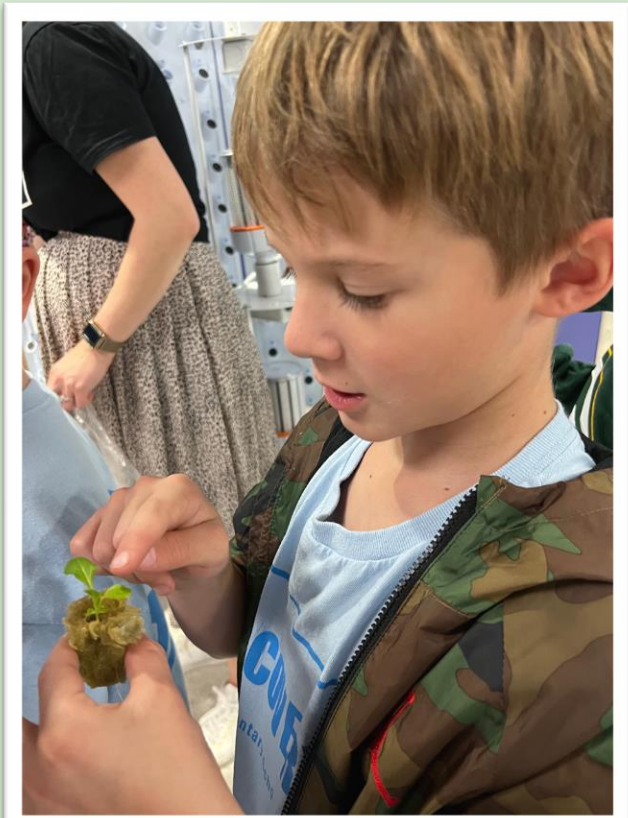
# Discovery Elementary



Garden work days



Sustainable food for our cafeteria  
from our hydroponic gardens

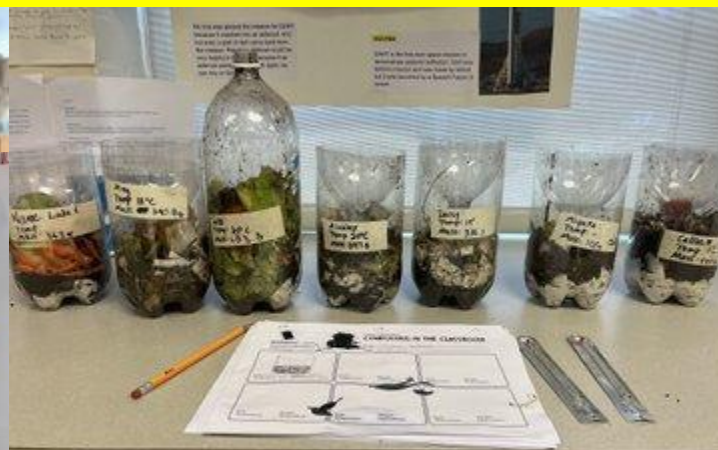


Guest Speakers at  
Eco Action Meetings



# Dorothy Hamm Middle School

The Dorothy Hamm community has been working hard on developing a sustainable mind-set. We started by quizzing the school on it's recycling knowledge, and distributed recycling posters to every classroom so teachers could teach about and show what could and could not be recycled. We've learned about composting by building micro-composters. We participated in the Global Battery Challenge and learned about the challenges of energy storage. We "tried" making reusable bags out of plarn (yarn made from plastic bags.) We made cat-toys out of recycled t-shirts for the Arlington Animal Welfare League and we're currently holding a clothing drive for the organization "Clothesline." We are excited to hold our first Earth Hour on March 24 where we will turn out the lights for 1 hour and participate in activities about climate and sustainability. And the week of April 17 - we're planning a week of Earth Week activities.



**60 EARTH  
HOUR**

[Click here to learn  
about Earth Hour](#)

Since Earth Hour's beginnings in 2007, Earth Hour has been known for the "lights off" moment, with individuals from around the globe switching off their lights to show symbolic support for the planet and to raise awareness of the environmental issues affecting it.

This year, Earth Hour is calling on supporters across the globe to switch off their lights and **give an hour for Earth**, spending 60 minutes doing something - *anything* - positive for our planet.

Earth Hour is happening worldwide on March 25 from 8:30 p.m. to 9:30 p.m.  
**But here at DHMS, we're holding our own Earth Hour on Friday, March 24.**  
What will **you** do for 60 minutes for the Earth? Learn more by visiting [earthhour.org](http://earthhour.org).





- organizing a compost program***
- building compost bins***
- rebuilding raised garden beds***
- attending Saturday garden events***
- connecting with a Master Gardener and our neighborhood community garden organizers***

eventbrite

### Food for Thought: Planning y

Public School Garden Guest

Fairlington Community Center, 3308 South S

Saturday, March 11, 2023 from 1:00 PM to 4:

Free Order

Order Information

Order #5916413999. Ordered by Nathan Stee  
February 22, 2023 4:40 AM

#### Event Information:

Thank you for registering for Food for Thought: P  
School Garden! We are so excited to host you on  
1:00pm - 4:00pm to help you think through and  
garden this year.

The workshop will be held at Fairlington Commu  
118, located at 3308 S Stafford St, Arlington, VA

We will be emailing you with recommended info  
using a downloadable workbook before you atte  
Gathering this information prior to the workshop  
more productive during the workshop! Please be  
this email in the next few days.

If you have any questions, you may contact Exte

**Education & Gardener Resources**  
Virginia Cooperative Extension

**Help Desk:** [mgnetext@mgv.com](mailto:mgnetext@mgv.com) 703 228 6414 9-noon weekdays at 3308 S, Stafford  
St Arlington

**Plant Clinics:** 5 weekly, Apr - Oct: at Arlington and Alexandria Farmer's Markets and  
Central library!

**Demonstration Gardens:** 7- (Organic Vegetable Demonstration Garden at Potomac  
Overlook Park)

Soil Testing, Planting Chart, Insect and disease management, and Crop Profiles.

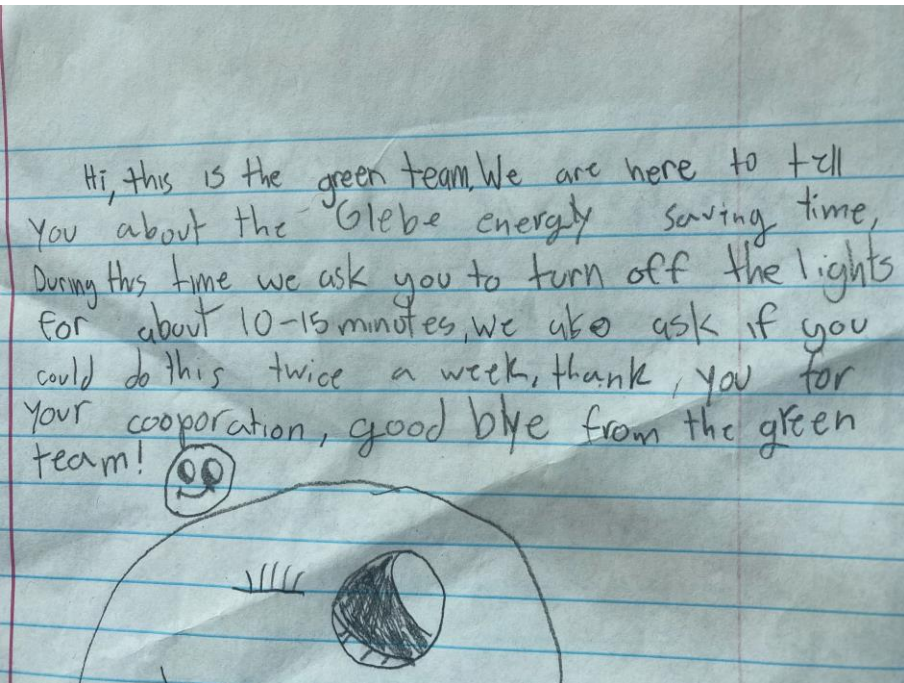
Master Gardeners of Northern Virginia Website: <https://mgv.org/>  
Virtual Classroom and Calendar of Public Education  
Resources for food and landscape gardeners  
Daily and weekly new posts, blog entries, and social media programming

Find us on YouTube, Twitter, Facebook, and Instagram

**Virginia Cooperative Extension**  
Virginia Tech • Virginia State University



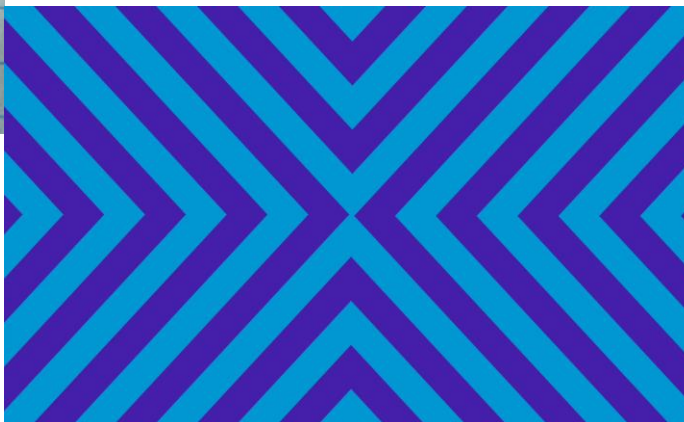
# Glebe Sustainability Projects 2022-2023



Glebe Energy Saving Time



Educational Recycling  
Video



Garden Box Maintenance

This year, the HBW Green Club designed & created a living “green wall” that is being piloted in our science classroom! We hope to make a larger one in the future in the entrance to the school!

# *H-B Woodlawn*



Upcoming activities:  
Earth Week 2023 –  
Plant Sale  
Green clothing swap  
Pinecone bird feeders  
Seed balls!





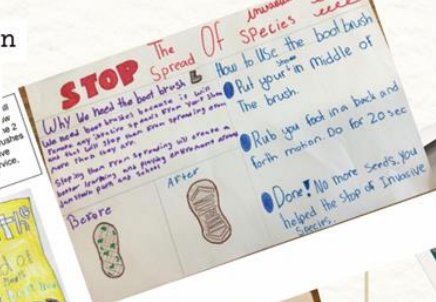
# ***Innovation***



Check out the amazing video  
the rangers created to  
support recycling school



Drafting their grant application for boot brushes in order to prevent invasive species from spreading



Third graders tackle food waste through a media campaign by providing a spot for uneaten whole fruits

Fruit Savers Weekly Tally

Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
19						
0						
1						
2						



Recycling and re-using by building lunar modules!

Drafts of text and images that will be on the 5 signs explaining how to use the boot brushes and the 2 signs explaining how boot brushes help with the issue of invasive species (National Park Service, 2022)



## Jamestown Elementary



Fifth Grade Green team removing sucker branches from cherry trees and students learning from the Master Naturalist



Grown Up Green Team maintains our hydroponic garden and clearing garden beds



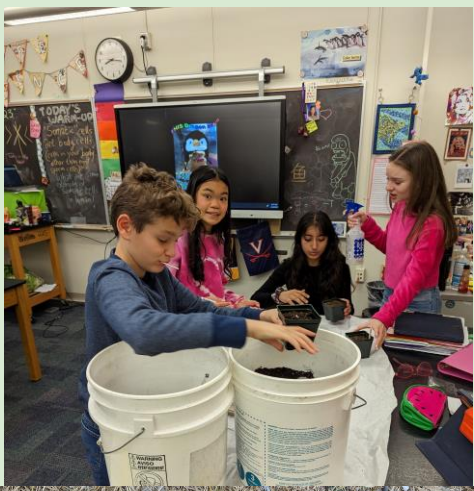
Ms. Leonberger  
@LeonbergerTJMS

Last week students investigated vermicomposting and practiced their experimental design skills! Hope some of these students come to #TJMSCompostClub on Tuesday! 🍏 🍏 🍏 #APSGreen #TJMSrocks



# Thomas Jefferson Middle School

Kaila Leonberger, Sustainability Liaison



# Compost Club

Ms. Leonberger  
@LeonbergerTJMS

The TJMS Compost Club did a great job preparing the compost bins for the Winter this afternoon!  
#TJMSrocks #APSGreen



4:37 PM · Nov 29, 2022



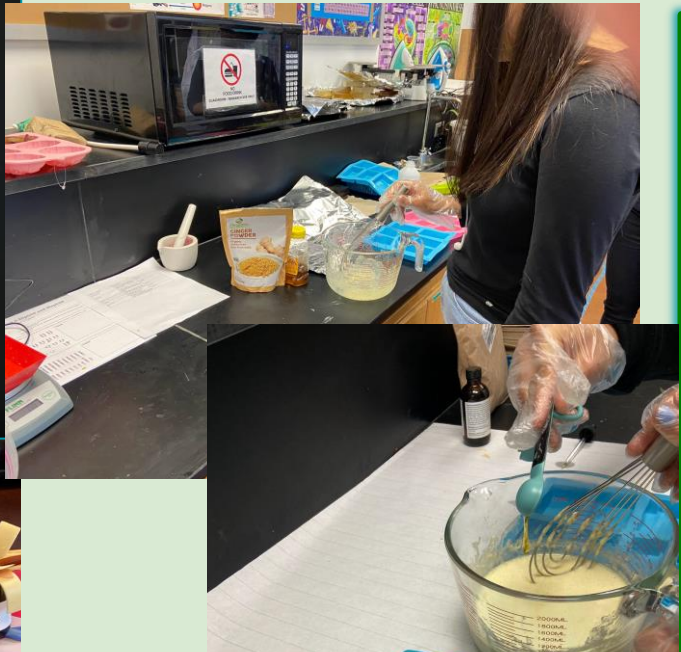
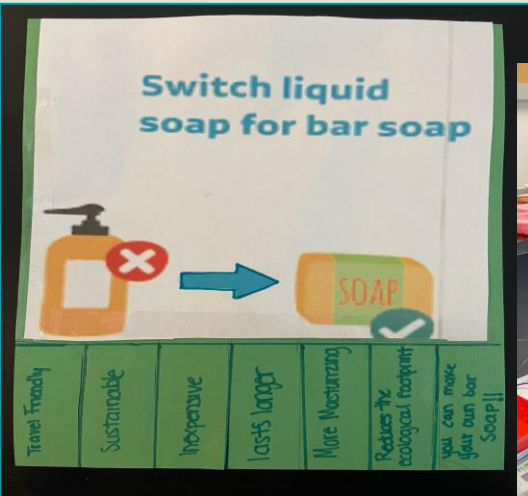
# Jefferson Garden



Jefferson Garden Summer/Fall 2022  
over **900** pounds of fresh produce donated to local food assistance!  
over **2,500** pounds donated since 2019.

Video → Langston's Sustainability PBL Project

# langston's



3 teachers. Mrs. Matus, EL specialist. Mrs. Gibson, business education teacher and Mrs. Gaither Env. Sci teacher collaborated in this PBL project. Students learned to collaborate, problem-solve, market, communicate and apply real world workplace skills.

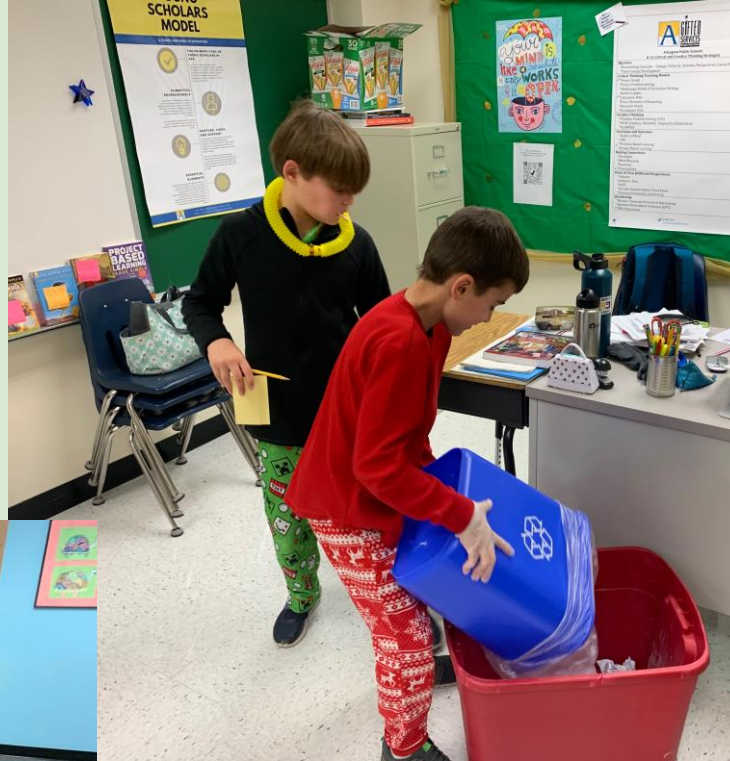




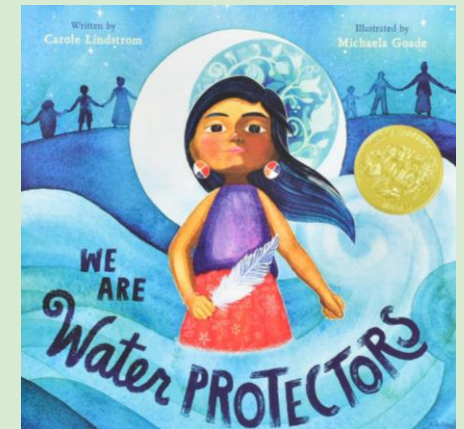
# Long Branch Elementary



Recycling Rangers:  
4<sup>th</sup> and 5<sup>th</sup> Grade Students support our school's recycling program by sorting each room's recycling to make sure only recyclable materials are in the bins!



Coming Soon:  
Sustainability Pen Pals with Jamestown Elementary!  
My Kindergarten class and a class at Jamestown will read the same sustainability themed book and write to each other!



# Sustainability at MPSA

The Importance of Pollinators and Food Waste Reduction

## Can we live without pollinators?



Smithsonian Pollinator Exhibit



Gold Star Butterfly Sanctuary Project



Writing and Sharing Books about Pollinators

## Can we use data to reduce our food waste at MPSA?



Learning About Food Waste



Conducting a Food Audit



Sharing Food

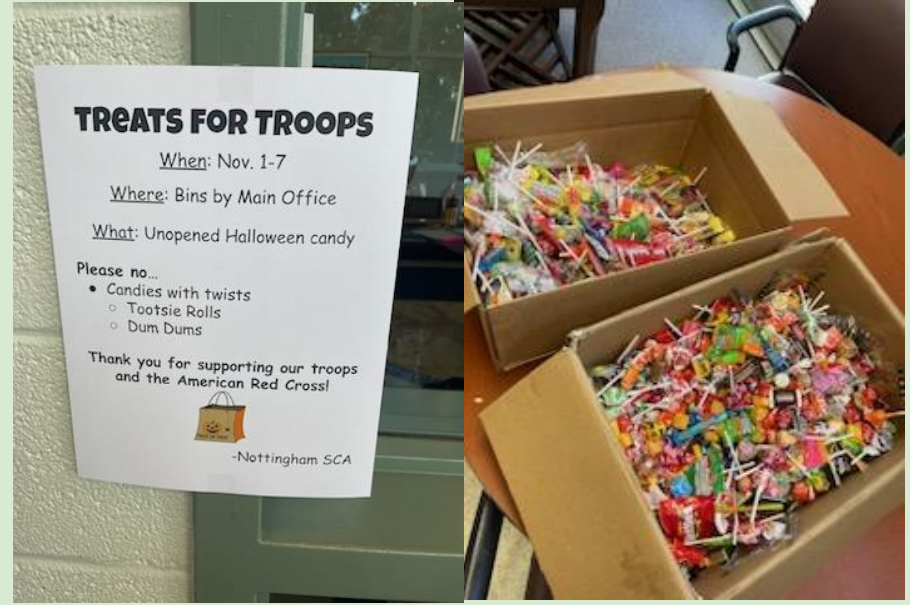


Composting

Still to come... Students will give presentations about How to Reduce Food Waste to the LEM and Primary students followed by a Second Food Audit.



The Knights are busy this year!  
Food Drive for AFAC  
Treats for Troops  
Holiday Toy, Coat & Book Drive  
Path Forward – Walk for Homelessness



# ***Oakridge***



Before



Midway.....More to come

**THIS BUS IS US**  
**WALKING**  
**SCHOOL**  
**BUS**



Spring Mulching Day



# ***Randolph Elementary***

April- Earth Day Options

EARTH DAY

Randolph Elementary April 2023  
Sustainability Committee

Randolph Elementary Sustainability Committee Formed



## Student iRide Sign-Up

Over 100 students registered for iRide cards!



## Green Team Clean-Up Days

Monthly trash pickup on Swanson grounds with student volunteers.



## Bike, Walk, and Roll to School Day

Upcoming Green Team Projects: Earth Week (April 17-21), vegetable planting, plastic bag recycling program, "Food Bus" in cafeteria - students can leave/take unopened/whole foods to reduce food waste.



# Taylor Elementary School

Share Table Pilot Program with DC Food Project



School Garden Planning!

Kids Giving Projects





**Tuckahoe**  
ELEMENTARY SCHOOL

## 2022-2023 Highlights:

- ✓ Outdoor Learning @ every grade level
- ✓ 5<sup>th</sup> Grade Green Team meets weekly
- ✓ AFAC Food Bus
- ✓ Cardboard Night
- ✓ Vermicomposting
- ✓ Growing over 200lbs of food to donate
- ✓ Monthly Community Garden Days
- ✓ Salad Day
- ✓ Student Led Litter Clean-up
- ✓ Earth Day Tree Plantings





# Wakefield High School



## SCIENCE TALKS

Join us for virtual visiting researchers talking about their professional experiences and the journey that got them there.

Malcolm Barnard, Baylor University  
Harmful Algal Blooms

Wed, Nov. 30  
3:15 - 4:15 pm  
Room B-213

Sponsored by the  
Environmentally Conscious  
Organization of Students



## SCIENCE TALKS

Join us for virtual visiting researchers talking about their professional experiences and the journey that got them there.

Neil Hurwitz, Founder: Eco-Statistics  
Plant evolution & game design

Tue, Dec 13  
3:15 - 4:15 pm  
Room B-213

Sponsored by the  
Environmentally Conscious  
Organization of Students



## SCIENCE TALKS

Join us for visiting researchers discussing their professional experiences and the journey that got them there.

Kristen Patterson, Project Drawdown  
Climate change, poverty, and human health

Tue, Jan 24  
3:15 - 4:15 pm  
Room B-213

Sponsored by the  
Environmentally Conscious  
Organization of Students



Garden Club sprouting seeds

Upcoming  
Garden Club planting  
Next Newsletter  
Earth Day Clean up  
City Nature  
Challenge  
Next Science Talk



Campus clean up Oct 18

## Science Talks!

Visiting researchers talking about what they do and how they got there:

- Nov 30 - Harmful Algal Blooms
- Dec 13 - Plant Evolution and Game Design
- Jan 24 - Climate Change, Poverty, and Human Health
- Apr 25 - Metrology and Photonics



Science Talk Dec 13

# Washington-Liberty HS



- **Hydroponic Plant Project**
- **Proposing Alternative Green Cleaners to APS School Board**
- **Clothes Drive for Turkey**
- **Composting in the Cafeteria**



# Williamsburg MS

## TerraCycle Oral Care Recycling Program

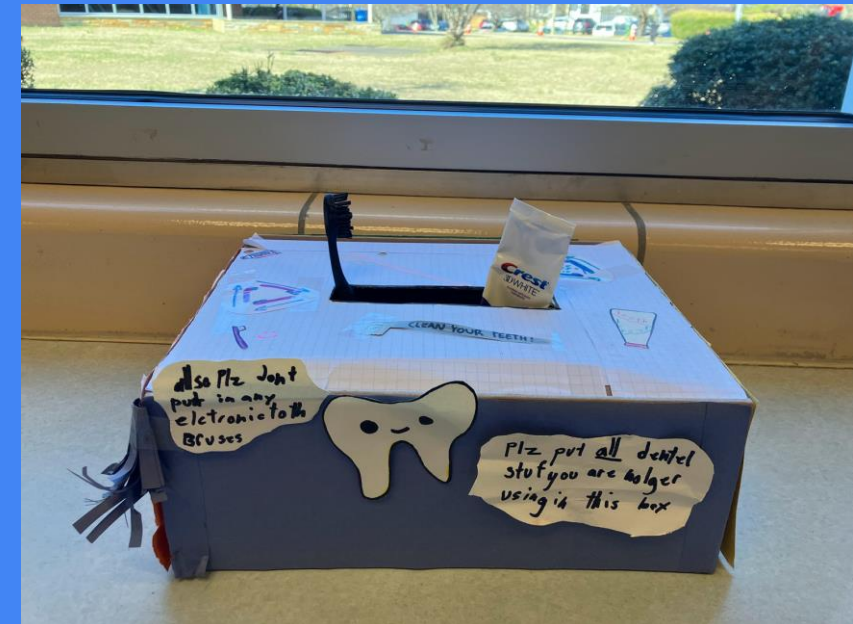
Science teachers have placed collection boxes for old oral care products to be recycled (toothbrushes, empty toothpaste tubes, floss containers). Supplies will be sent away to be recycled.



## GotSneakers? Recycling/Fundraising Program

Unused shoes were collected and donated/recycled depending on the condition. As of mid-March, we have filled four bags (~40 pairs of shoes) to be recycled or donated to those in need.

Proceeds from *GotSneakers?* will be donated to EcoAction Arlington.



# Yorktown High School's Environmental Club



Our projects have included:

1. Continuing a composting program along with the Life Skills classes.
2. Fundraising for EcoAction Arlington.
3. Removing invasive species from Chestnut Hill Park near Yorktown HS and planting native species.
4. Continuing Donaldson Run Stream Cleanups
5. Had Alonso Abugattas come to speak to the club. He is Natural Resources Manager for Arlington County.

