

Sustainable Jersey for Schools @ NJSBA Workshop



Sustainability Champions

Donna Drewes, Sustainable Jersey
October 27, 2016



Sustainable Jersey

- Free and voluntary certification program
 - Municipal launched in 2009
 - K-12 public schools launched in late 2014
- NJ based and consensus driven



Municipal

Schools



440: 198 Certified



215 (D)/534(S): 118 Certified

Sustainable Jersey Program Participants



Sustainable Jersey

- Three key components:
 - Identifies **actions** to become more sustainable
 - Provides **tools, resources, and guidance** to make progress
 - Provides access to **grants and funding** for municipalities



Why Participate?

- Framework for action
- Positive impact on school community
- Move towards a sustainable future
- Recognize and reinforce progress



Sustainability Champions

- Three Bridges Elementary School, Hunterdon County
 - Kristen Higgins, Principal
 - Tiffany Barca, Educator
- Egg Harbor High School
 - Terry Charlton, Principal
 - James House, Science Educator
- Egg Harbor Alder Avenue Middle School
 - Dr. Joseph Marinelli, Principal
 - John Jones, Educator
- Reeds Road Elementary, Galloway
 - Dr. William Zipparo, Principal
 - Donna McAvoy, Educator



Small Grant for Schools

| Sponsor | Awards | Total \$ |
|------------------|--------|-----------|
| NJEA | 100 | \$360,000 |
| PSEG* | 68 | \$200,000 |
| DOH-Health | 59 | \$236,000 |
| Gardinier-Energy | 14 | \$165,000 |
| Total | 184 | \$961,000 |

- * 2017 PSEG Small Grants Program currently open
 - Applications due 2/3/17
 - \$10,000 and \$2,000 grants available





Using Sustainability to Enhance School Culture and Performance



Three Bridges School

Readington Township
New Jersey

Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Raritan Valley Community College

- Sap to Syrup Tree Tapping Excursion
- Science Training
- Habitat Studies



Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Raritan Headwaters

- Water Festival
- Lesson on Watershed
- River Clean-up
 - Green Apple Day of Service students became Water "Rain"gers and helped clean the South Branch Raritan River
- Water Week
 - Students conducted water survey at school and home
 - Wrote persuasive essays, posters, videos to conserve water and keep it clean



Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Hunterdon Medical Center

- Health Fair
- Nutritionist
- Weight Loss/Exercise Classes



Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Student Philanthropy

- Candy Drive
- Jump Rope for Heart
- Soup-er Bowl Drive
- Adopt a Tiger

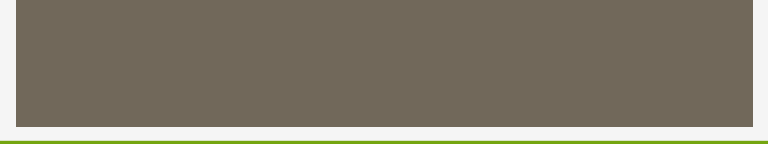




Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Grants

- SJS NJ DOH - Soft Fitness Room - yoga, core, barre workouts
- SJS NJEA - Waterbottle Refilling Stations, Outreach, Water Testing
- SJS Gardinier - Mobile Energy Lab
- Project WET - Water Festival
- Eco Schools Wrigleys - Waste Reduction - Recycling Challenge



Enhancing School Culture and Performance: Three Bridges Elementary in Readington Township School District

Connecting the BOE, School and Community

- Assistance with Township Initiatives
 - Single Stream Recycling
 - Anti-Idling
- Township Green Committee part of our district Green Committee
 - Attended Water Festival - Ran a table
- [Three Bridges School Green Magazine](#)



Enhancing School Culture and Performance: Three Bridges Elementary in
Readington Township School District

District Policies

- [Indoor Air Quality Standards 7421](#)
- [School Integrated Pest Management Plan 7422](#)
- [Green and Healthy Schools Cleaning Policy 7423](#)
- [Energy Conservation 7460](#)
- [Idle-Free School Zone 7471](#)
- [Wellness Policy/Nutrient 8505](#)



Egg Harbor Township High School





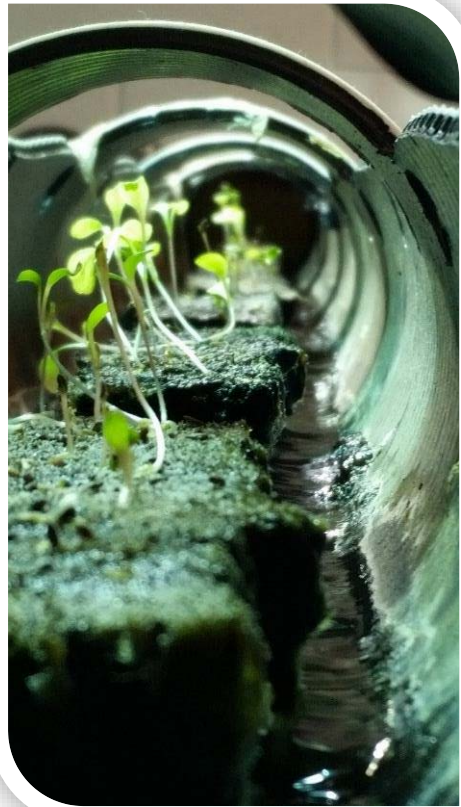
Support

- ▶ BOE
- ▶ Central Office
- ▶ Building Level Administration
- ▶ Custodial, Grounds, and Maintenance
- ▶ Teacher





Sustainable Jersey for EHTHS



- ▶ Recycling and Composting Programs
- ▶ Safe Driving Programs
- ▶ Staff and Student Wellness Programs
- ▶ Comprehensive Fine and Performing Arts Department
- ▶ Dedicated Maintenance Department
- ▶ Solar Rooftop Electrical Generation
- ▶ Sustainable Based Curriculum
- ▶ Sustainability Course



Sustainability Course



Creating Stewards of the Environment



Grant Opportunities

- ▶ \$2,000 Atlantic Care Health and Wellness Grant
- ▶ \$2,000 NJEA School Garden Grant
- ▶ \$10,000 NJEA Schools Grant No Foam Cafeteria Zone (District-wide Grant)
- ▶ \$4,000 Atlantic Care Health and Wellness Grant Hydrating Responsibly
- ▶ \$1,000 Coastal Resiliency Grant

Reeds Road Goes Green



Reeds Road Staff "Goes Green" and pledges to be a sustainable school



**Reeds Road Elementary School 2015-2016
Faculty & Staff**

Goal-

Teach the students what it means to be sustainable and how they can lead more sustainable lives.



Sustainability Implemented Actions

Professional
Development for
Sustainability

25 Staff Members
attended a two
hour Professional
Development on
recycling and
composting at
home and at
school.

Reeds Road School is offering:

A Two Hour Free Professional Development Workshop:

“Everything you always wanted to know about Recycling & Composting”

Monday, March 21, 2016

3:30-5:30

Reeds Road Library

Pizza, drinks and snacks will be provided

3:30-4:30 Barb Fiedler, Galloway Township Chief Sustainability Director & Ro Goldberg, Galloway Township Green Community School Liaison, will teach about composting, and how to compost correctly at school and at home

4:30-5:30 Michele Bellinger from ACUA, will discuss school, home, and community recycling

Please reply to Donna McAvoy if you plan on attending



Green Challenge



Family School Association parents helping with our sustainability efforts. They are cutting out hand prints so each family can take a pledge to **REDUCE, REUSE, AND RECYCLE.**

I pledge to live a
more sustainable life

REEDS
ROAD
GOES
GREEN

WE ARE
A
TEAM

I pledge to live a
more sustainable life





Flowers are made from handprints signed by Reeds Road Families who took our "Green Challenge."





Students recycling markers

Non-mandated recycling





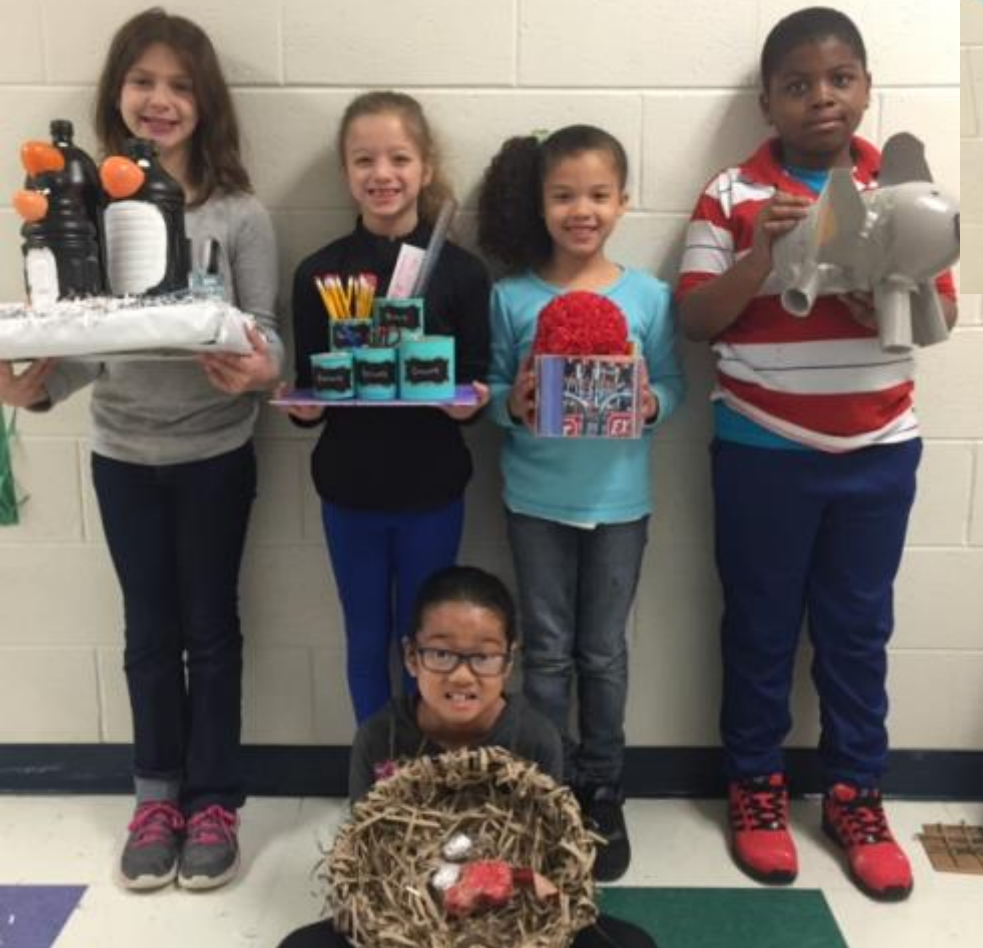
Green Fair- Trash to Treasure











Projects





6th grade teacher Susan Simmons
Repurposed kitchen ware.



Mrs. McAvoy made vases out of
rocks and shells



EI Teachers
made a nautical
display out of
seashells.



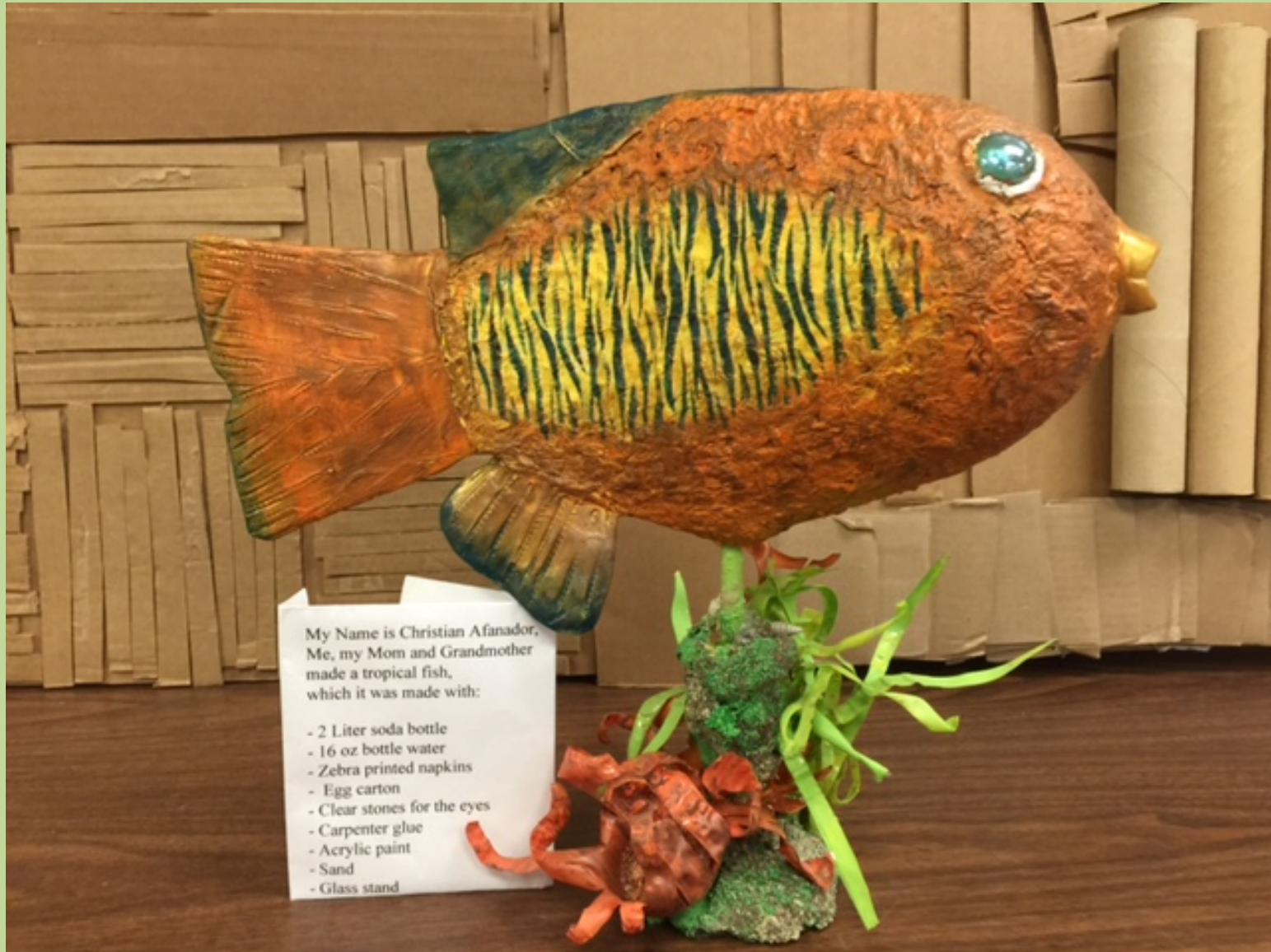
Making crafts at our Fair



Family Projects



Voted "Best In Show!"



Education for Sustainability Lessons



1ST GRADE LESSON ON WATER CONSERVATION

Chloe wearing her water conservation necklace.



Reeds Road School

March 23 at 8:32am · 🌐

The first grade class of Mrs. Mollenkopf and Mrs. Cawley worked on necklaces that represented how little fresh water there is and how important it is to conserve water. There are 97 blue beads to represent salt water, 2 white beads to represent frozen water, and only 1 green bead to represent the small amount of fresh water on earth.



2nd Grade Lesson

Be an Environmental Hero

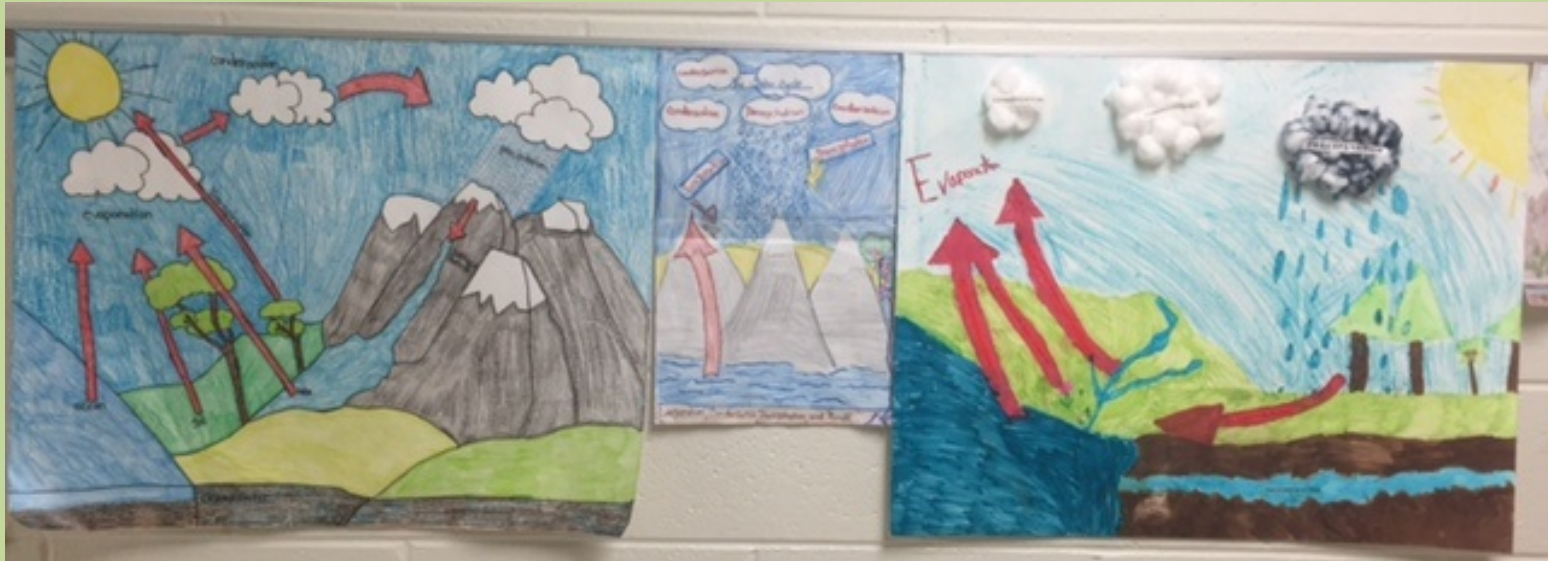


3rd Grade Lesson-Solar Cookers

Mrs. Bruscato and Ms. Harlan's class learned how the Sun's heat can be harnessed to cook food. They created solar cookers and used the Sun to melt cheese on nachos. They also discussed the benefits of using renewable energy sources.



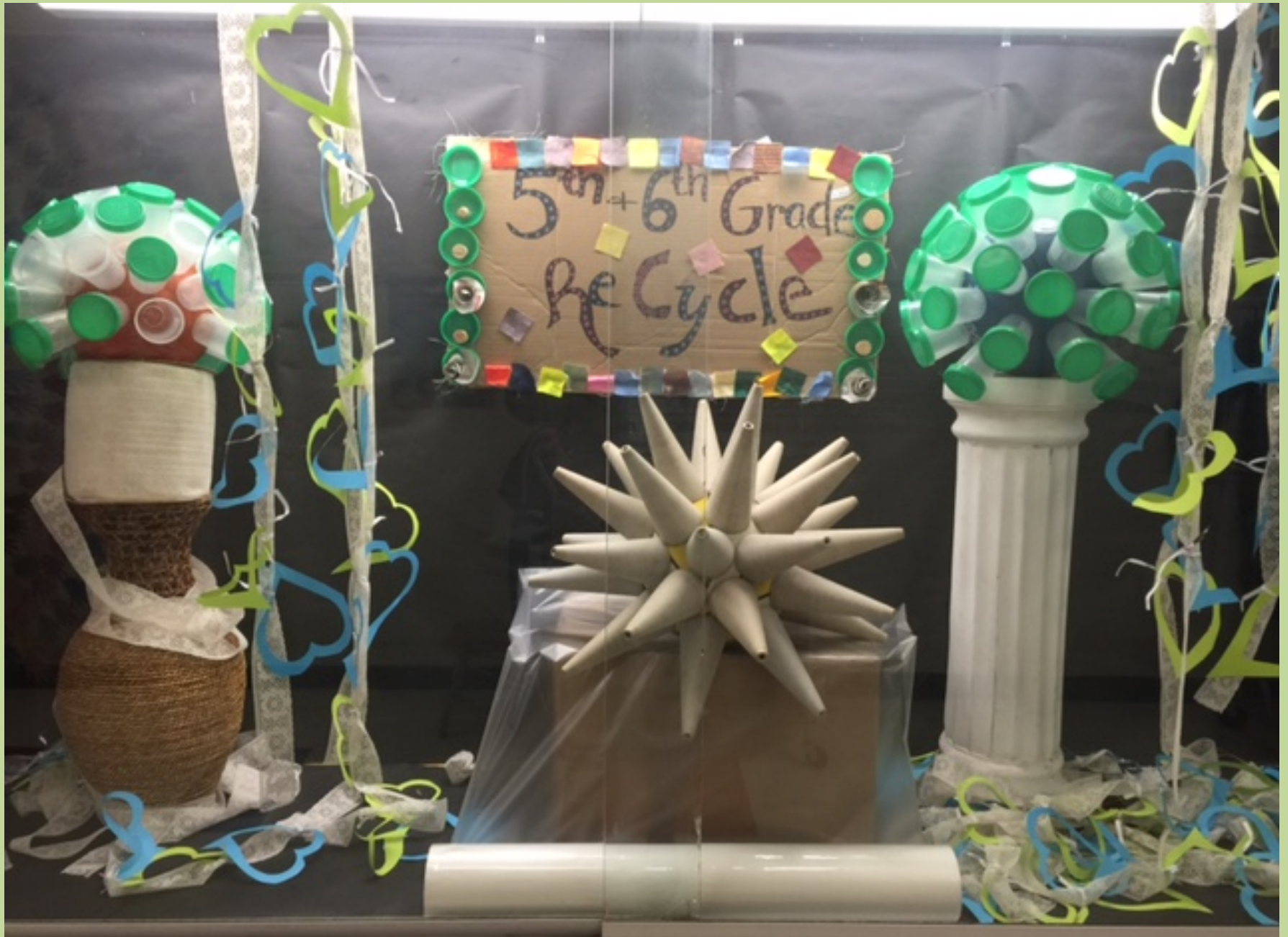
5th Grade Lesson on the Water Cycle



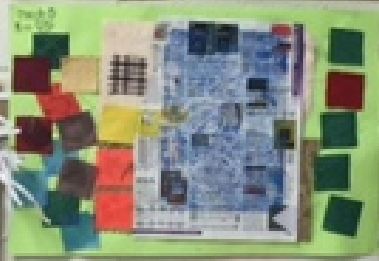
4th Grade Lesson on the Water Bottles



5th & 6th Grade Art Lesson



ART PROJECTS



MORE ART PROJECTS



Lesson on reusing recycled pencil holders





Room 30
Pledges to be more
SUSTAINABLE



I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Kieran

I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Kaylee

I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market
- save water
- ride a bike
- save water
- plant a tree
- save leftovers
- reuse
- recycle
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Earth

I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Emily

I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Nayomi

I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Madison



I Love Earth

pledges:
- turn off lights
- ride a bike
- use both sides of paper
- walk more
- give used things to charity
- reuse
- recycle
- save water
- plant a tree
- save leftovers
- clean up
- rescue animals
- go to a farmers market

Ryan

Invitations that our Student Council made inviting dignitaries to our Green Fair using all recycled materials.

3rd grade lesson on reducing our Carbon Footprint.



Recycling Lesson



Mrs. Fiedler, Galloway's Chief Sustainability Officer, teaching the 2nd grade students about sustainability.



Another lesson on recycling and reusing 1st graders making bird houses out of milk cartons



Material Reuse

One Man's Trash is Another Man's Treasure-
\$\$\$ used to buy flowers

HAPPY EARTH DAY



ONE MAN'S JUNK IS ANOTHER MAN'S TREASURE!!!

In celebration of Earth Day, we will have a unit yard sale. Not only is a yard sale lots of fun, it's a great way to recycle items that are no longer wanted. More importantly, it helps our environment by keeping these items out of garbage cans and landfills. If you have any unwanted items that are in good shape (books, toys, games, household items, etc.) please send them in by April 18th. All items will be on sale to our unit for a very LOW price. The money raised at our yard sale will be used to purchase flowers and a tree that we will plant at Reeds Road School. This activity provides for a fun economics lesson as well as a way to redistribute and recycle goods without adding to the garbage problem. We will be sending out a letter shortly and ask for parent volunteers to help the day of our event. . Our yard sale will take place on April 22th, 2016. We're looking forward to a successful event!



Innovation Project

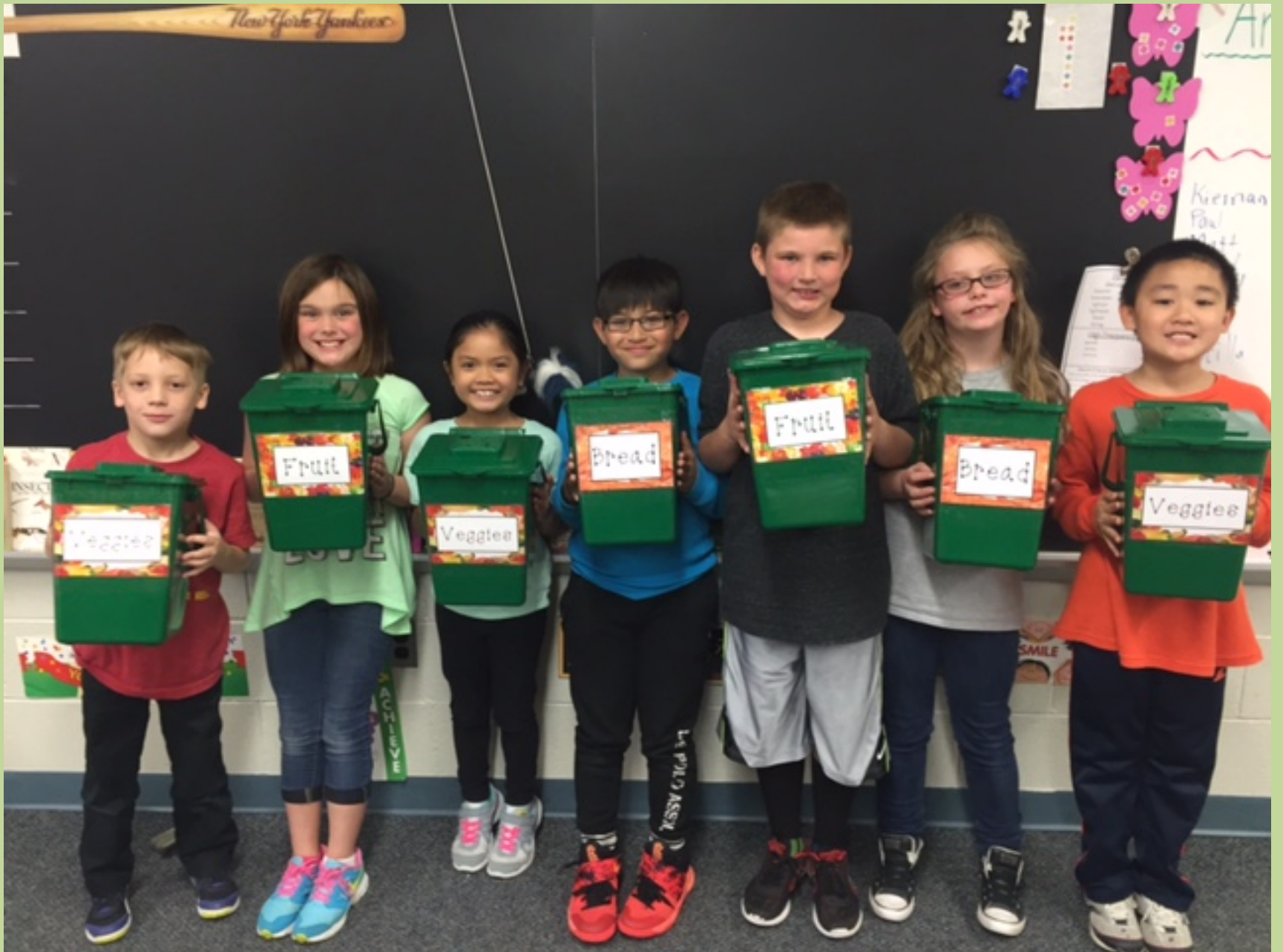


School Gardens



Food Waste Management









Waste Audit





One day of recyclables after our audit





Cafeteria
Recycling



milk cartons

cans



bottles

salad containers



juice containers



yogurt

lunchables



cardboard drinks



fruit cups

(all recycled items
must be emptied out)

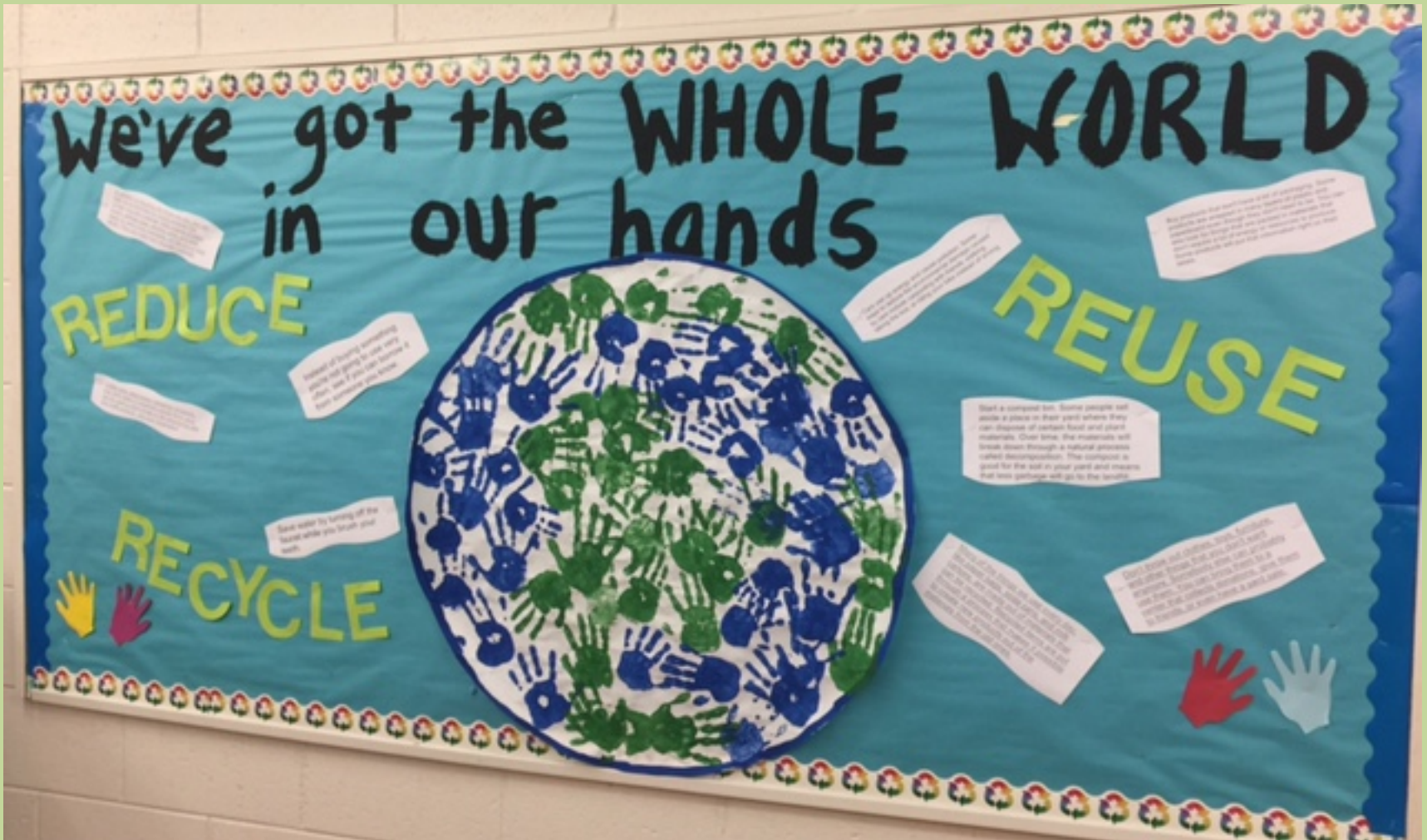
Each day the students fill up two large bins of recycling in the cafeteria.



Reeds Road donates unopened food items to the local Food Bank daily.



School Beautification



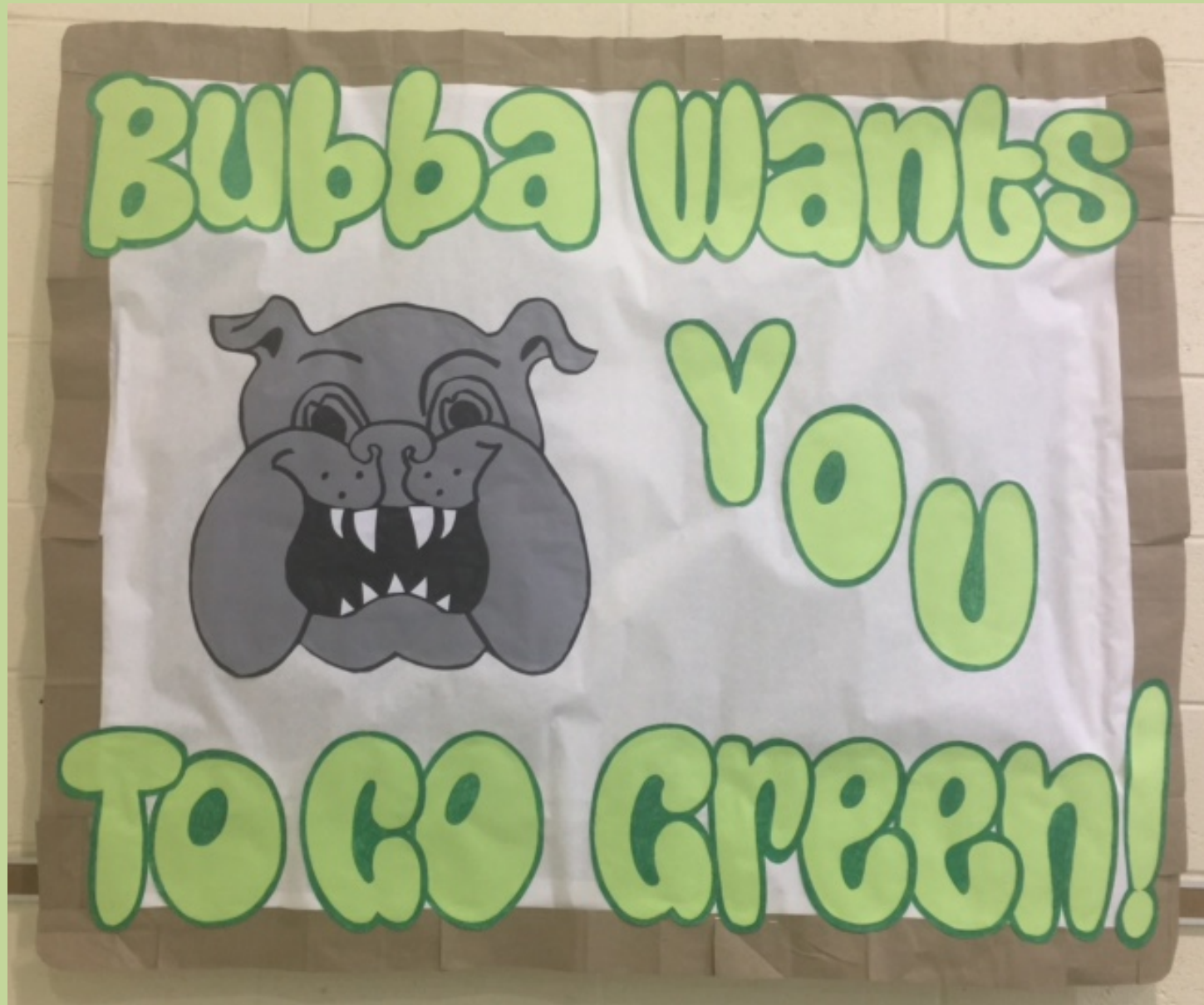
Bulletin board in our school cafeteria



Awesome mural painted by Mrs. Angelo.



Bulletin Boards in Cafeteria



What Does it Mean to be GREEN?

PICK UP TRASH

don't pollute

grow plants

reuse

use both sides of paper

walk more

Recycle

COMPOST

Walk More

hang clothes

Plant Trees

REDUCE





Kindergarten
recycling



1st grade hallway display



Using all recycled materials



Hallway display designed by our Intervention Teachers Mrs. Sweiderk and Mrs. Dougherty.

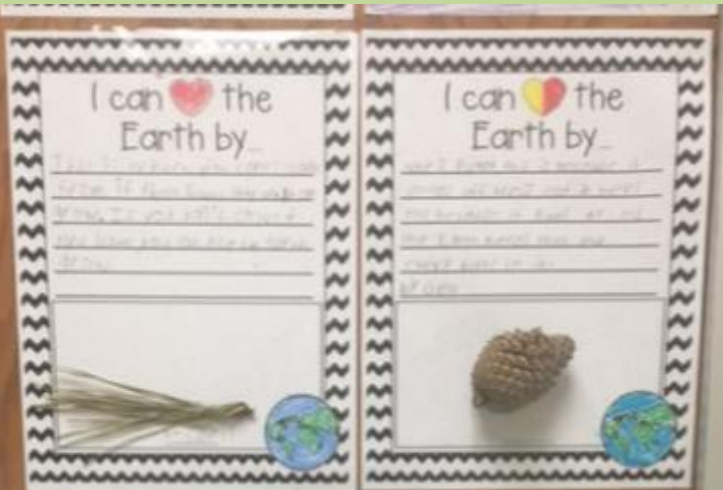




Whole
School
Participated
Doors made
out of
recycled
materials



3rd graders decorate their door by using pinecones and grass.



Beautifully decorated doors







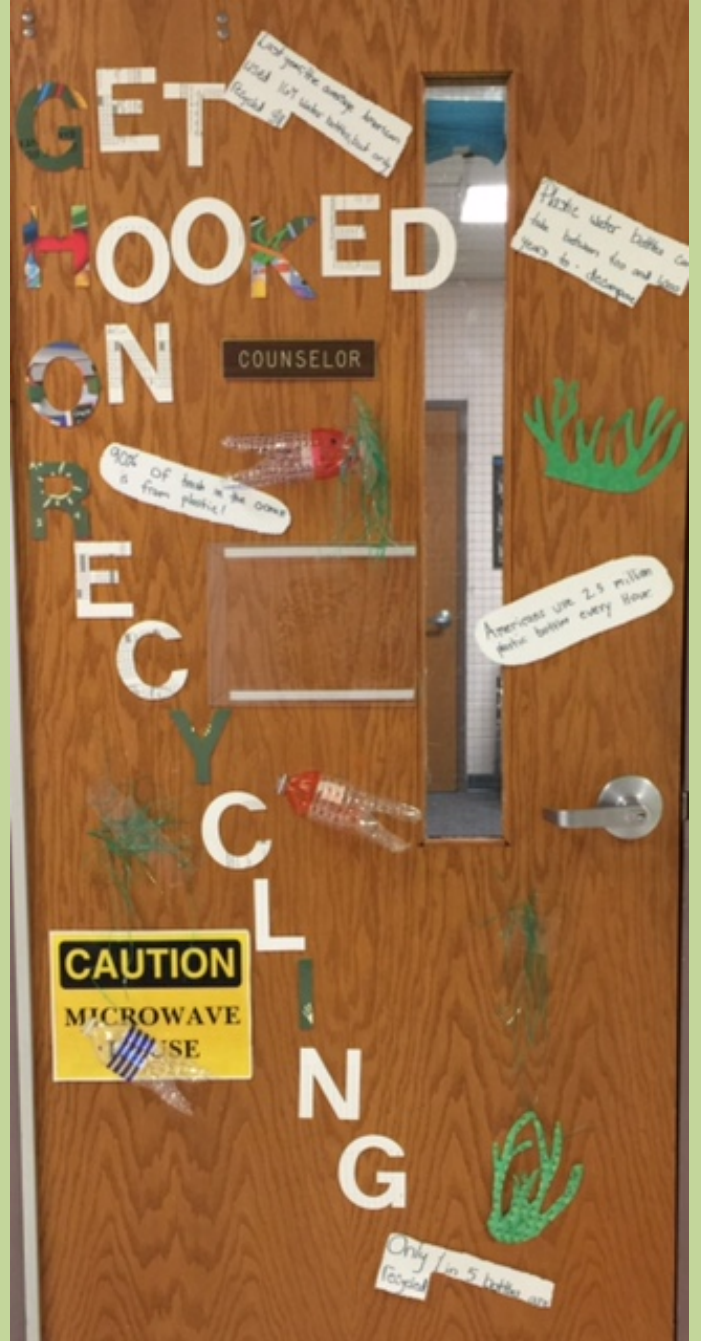
We Speak
for the
TREES



Trash ?

NO!

TREASURE







All it takes is one
person who cares
a whole awful lot!

Go GREEN and
help change the
world!



Winning t-shirt logo designed by three 6th grade students. T-shirts were bought by our FSA for all staff members and students for our Go Green Assembly



OUR GO GREEN ASSEMBLY

Thank you FSA for purchasing our shirts!

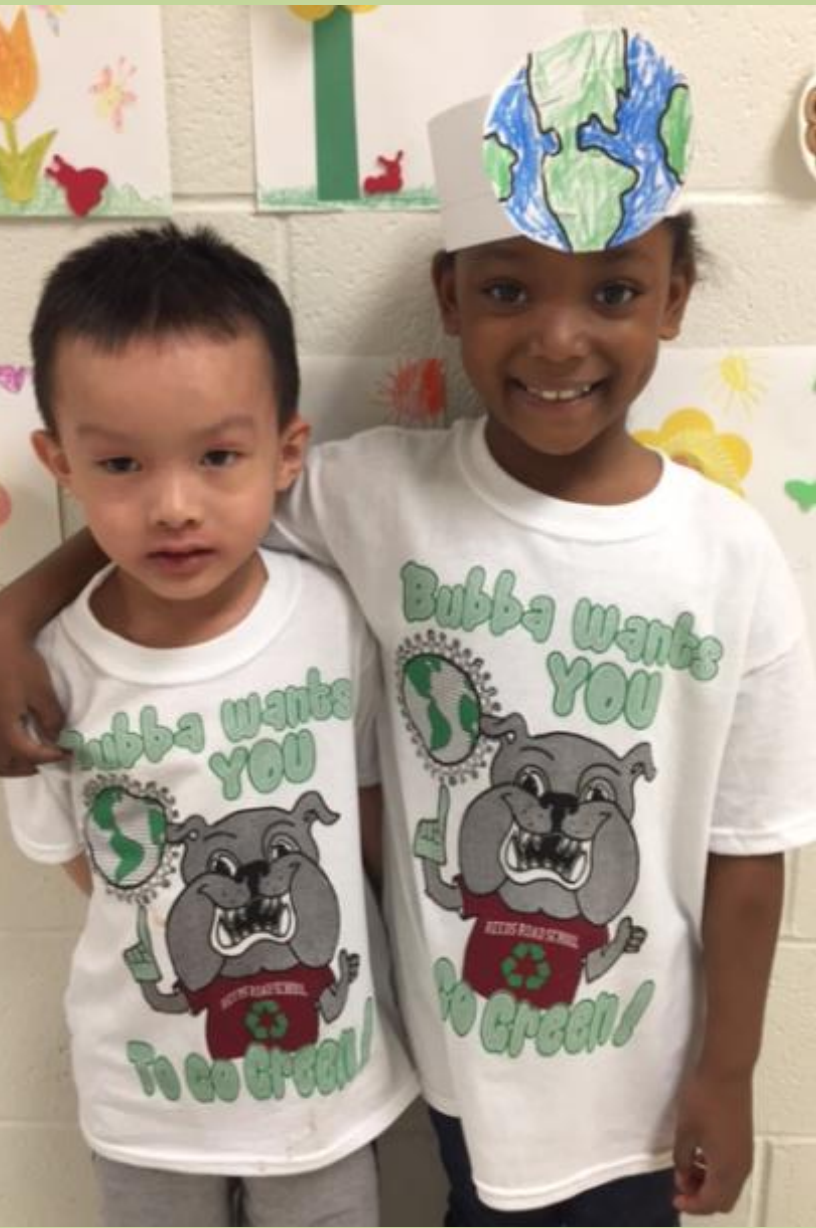


Our
Superintendent,
Dr. Giaquinto,
with “Supercan”









5th Grader Jason
drumming to a rap.







Reeds Road Elementary School

Reeds Road Elementary School is part of an elite group of schools that have achieved the prestigious Sustainable Jersey for Schools certification. Schools that earn the certification are considered by their peers, state government, experts, and civic organizations in New Jersey to be among the leading schools in the state.

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For More Information

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