

## Green, Healthy, Smart Challenges for City Schools 2012/2013 APPLICATION

I am applying for the (you may check one or both options):

- City Schools Energy Challenge (\$1,000 for an energy conservation project and one year of support from BEC)
- City Schools Sustainability Challenge (\$1,000 for a sustainability project and a one-time project or presentation with BEC)

### School Information

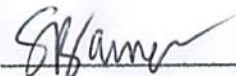
School Name: Federal Hill Preparatory

School Number: 45

School Address: 1040 William Street, Baltimore MD 21230

Principal's Name: Sabree Barnes

Principal's Email: sbarnes01@bcps.k12.md.us

Principal's Signature (required): 

Please provide a brief summary of your school, including name(s) of the surrounding neighborhoods, grades served, community partnerships, and any past projects dealing with energy or sustainability:

Federal Hill Preparatory School is public school located in the historic neighborhood of Federal Hill. We have a diverse population of students including students from Locust Point, Riverside, South Baltimore, Sharp-Leadenhall, and some come from scattered parts of the city. This is our first year as a PreK-5 grade school focusing on readiness in reading, writing, math, science, art with a heart, music, and athletics. At a time when there are many options to consider, FHPS is succeeding- not just in helping students pass standardized tests but in preparing children for a lifetime of learning. Drawing on proven instructional methods from around the world, FHPS gives its students the knowledge and skills they need to be good citizens today and community leaders tomorrow.

Federal Hill Preparatory students are exposed to a multitude of experiences inside and outside the classroom as part of a robust curriculum. Enrichment programs include many assemblies and field trips throughout the year.

Past trips have included: Seed to table, The Living Classroom, the Maryland Science Center, Masonville Cove, The Walters Art Museum, The National Aquarium, The Maryland Historical Society, Camden Yards, Ravens Stadium, Irvine nature Center, Reginald F. Lewis Museum of Maryland African American History, National Cryptologic Museum, Waste Management, Great Kids Farm, and the Museum of Industry. Visitors to our school have

included Don Thomas NASA Astronaut, an African Drum Troup, Pennies for Patients, a poet, and the Baltimore City Mayor.

Students have been involved in several projects promoting sustainability. Our biggest project has been our compost and recycling program

*Project Coordinator Information*

The Project Coordinator is the administrator, teacher, or volunteer who will take the lead in helping the Green Team implement their project. This person must be an adult. If your school is applying for more than one challenge, and different people are coordinating different challenges, please list the information for both coordinators below. The Project Coordinator(s) will be the point of contact for notification of funding, reporting requirements, and special events and opportunities related to the program.

Project Coordinator's Name: Amy Thomas

Project Coordinator's Position at the School: Parent Volunteer PTO

Project Coordinator's Phone Number: 410-493-8170

Project Coordinator's Email: amythomas1102@yahoo.com

If applying for both challenges, which will this person manage? \_\_\_\_\_

Project Coordinator's Name: \_\_\_\_\_

Project Coordinator's Position at the School: \_\_\_\_\_

Project Coordinator's Phone Number: \_\_\_\_\_

Project Coordinator's Email: \_\_\_\_\_

If applying for both challenges, which will this person manage? \_\_\_\_\_



Student "Green Team" Information

A Green Team is a group of students working together to make their school a more environmentally friendly and healthy place, either during or after school. If your school does not currently have a Green Team, you must form one in order to apply. Please include the names and signatures for at least five students. If more than ten students are actively involved, you may attach an extra sheet. If you are applying for more than one challenge, and different student teams will be working on different challenges (please note that this is not required – one team may complete both challenges), please attach an extra sheet with the second team's names and signatures, and indicate which team will be working on which challenge.

Student Names and Signatures:

1. Noel Thomas
2. Kennedi Gardner
3. Olivia Holden
4. Gary Akbar
5. Alyzae Flaughner
6. Alex Owen
7. Camden Rende
8. Ester Johns
9. Brynn Murphy
10. Jasmine Miller

1. Noel Thomas
2. Nakel Rush
3. Alisha Mitchell
4. Dausha Williams
5. Amira Armstrong
6. Talyian Hayes
7. Arie Holmes
8. Luisana Penera
9. Kalilah Bethnea
10. Angel Davison

Please provide a brief description of your Green Team, including which class(es)/grade(s) the participating students are drawn from, when the group formed, and what other projects, if any, they have worked on so far:

Cody Kayes  
Alyson Cavazos  
Diamond  
Nykesia  
Sierra Lewis

DeAndre McKenzie  
Samuel Hunter



Please provide a brief description of your Green Team, including which class(es)/grade(s) the participating students are drawn from, when the group formed, and what other projects, if any, they have worked on so far:

The green team involved in this project are students in the 4<sup>th</sup> and 5<sup>th</sup> grades. The group was formed in 2011. They continue to enforce the turning out of lights at the end of the day and reduced lights during the day. Recycling of paper on Thursdays. Taking shifts in the cafeteria to make sure everyone is composting properly. Creating signage for the cafeteria. Coordinating the teracycle of plastic bags, crayons and corks. But their biggest project was last years Sustainability challenge. They did a wonderful job diverting food waste from the landfill. Based on the data, one finds that:

In APRIL - the school diverted 1934 lbs in April (before compostable/paper trays were implemented). At 200 lunches being served, that makes it 9.7 lbs per lunch/month. Or, taking the entire school population of 352, 5.5 lbs per student/month.

In MAY - the school diverted 4111 lbs, or 20.5 lbs per lunch/month and 11.7 lbs per student/month. Impressive numbers that more than doubled once trays were made part of the diverted waste stream!

### *Project Description*

Please attach a separate page with the answers to the following questions. If you are applying for both challenges, you **must** provide a **separate** project description for each challenge and indicate which challenge is being addressed at the start of each description. Each project description should be no longer than one page.

#### **City Schools Sustainability Challenge:**

- a. What will you call your school's sustainability project?
- b. What is your idea to increase sustainability at your school?
- c. How will you carry it out?
- d. How did you come up with your idea?
- e. What will the outcomes of your project be?

#### **a. Project Landfill Reduction**

The more we learn about landfills the more we want to keep as much as possible out of them. One of the places we would like to continue this effort is lunch. Since we have been composting and recycling in the cafeteria, the students have observed that most of our waste has been diverted to the compost bin with the help of compostable trays. Our major difficulty with composting is the amount of waste that is accidently being thrown in the composting bin. The major culprit being the ketchup, mustard, and mayonnaise packets and the plastic bags that contain the spork, straw and napkin. We would like to purchase dispensers for the ketchup, mustard, and mayonnaise so the students can directly pump what they need onto their trays. In addition, we would like to purchase compostable sporks, a napkin dispenser and eliminate straws. We have spoken with Jerry Welch of the Health Department to make sure that there are not any health reasons for the packets. He said it was fine for us to go with the bulk sporks and dispensers. In an effort to make this process as easy as possible and to make it easier for other schools that we hope will follow in our footsteps, we would like to create a signage that would be a permanent fixture at our school. When we were at the aquarium for a field trip we noticed the magnificent

cafeteria display for their compost, recycle, and trash containers and want to replicate that. Any visitor who came to our school would know exactly where their leftover lunches belong. Our display would contain all of the items our cafeteria uses making it easier for the students (new and old), staff and visitors to follow. The students and teachers will make the display out of 2x4s and Plexiglas. The outcome of our project will be hardly any trash from cafeteria lunches. We are hoping by setting up an easy way of composting in the cafeteria that Baltimore City Schools will make this a part of every public school in Baltimore. Each student is going to guess how many pounds of trash will have for the rest of the year and the winner will get a prize.



*Budget*

Please fill out the budget form below. If applying for both challenges, please indicate which challenge this budget is for \_\_\_\_\_, and attach a separate budget for the other challenge. Total budget requests per challenge may not exceed \$1,000.

Category	Items	Cost
Implementation (The tools you'll need to carry out your project)	Napkin dispenser x2 plus napkins	\$431.78
	Condiment dispensers plus filling	\$195.00
	Compostable sporks	\$689.00
Promotion (Informing other students or members of your community about the project)	Word of mouth and email	
Recording and Reporting (Documenting your work by print, photo, video and/or other means)		
Training and Research (Materials or other information resources, including field trips)		
Transportation (Getting to and from events or sites needed to carry out the project)		
Other (If you expect other expenses, please describe them here)		
<b>TOTAL</b>	Any overages will be covered by the PTO	<b>\$1,315.78</b>

## Additional Information

