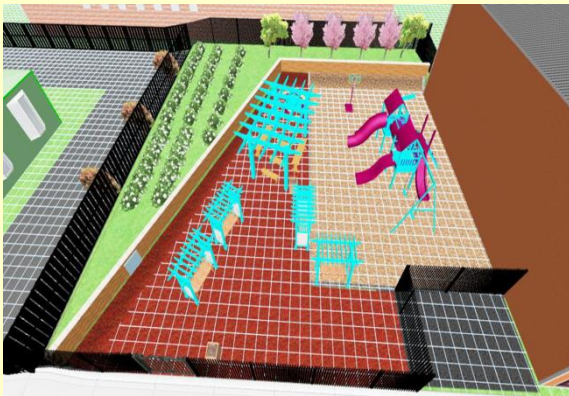


Why are we doing this???

The “Southern Ogontz Avenue” neighborhood has an abundance of vacant lots that have the potential to produce valuable learning opportunities for our children.

This STEM-ulating project will be the test-bed for revitalizing these vacant lots and transforming them into learning laboratories for our children and their parents.

This technology driven, community revitalization project will demonstrate the strength of our community partners, as we take responsibility for developing our avenue.



Computer Aided Design (CAD) rendering of the Martha C. Young Community Playground at 6007-11 Ogontz Avenue



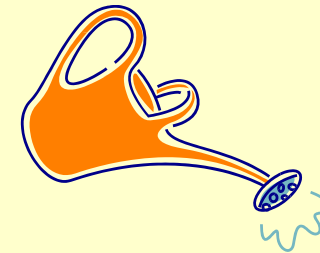
**PO Box 666
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E-mail: phaf.org@gmail.com

Facebook link: [www.facebook.com/
The Martha C Young Community
Playground](http://www.facebook.com/TheMarthaCYoungCommunityPlayground)

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Greening Ogontz Avenue



by:
**STEMulating
Community
Gardening**

Presented by the:

Prince Hall Alumni Foundation

Vertical Garden at 6007 Ogontz Avenue

Children in kindergarten through second grade will be the pioneers of creating a vertical bottle garden.

Vertical gardening is a great example of urban gardening that is designed for vegetables that don't need a lot of space to grow like herbs and spices. This method is an alternative to limited gardening space; it reduces the threat of garden pests and instills an eco-conscience in our children by recycling used materials and resources such as water bottles and rain water.



Anticipated planting - March 2015

Self-Irrigation System built by students

UTILIZING COMPUTER AIDED DESIGN
(CAD) PROGRAMS

Children in grades 3 through 6 will investigate and design a method of irrigation where an unglazed clay pot is buried in soil and when filled with water the pot becomes a high-tech device.



Our students will construct Olla Irrigators, and then take it a step further by installing a gravity fed drip system to replenish the pots. Run off management will be a vital part of this endeavor, students will explore ways to assure drainage and prevent erosion.

Anticipated design - November 2014

Peer Partnering

Students from area high schools will be recruited as peer partners for this project. Throughout the *STEMulating* Community Gardening adventure, older students will be trained to become peer educators and earn service learning credit that will be beneficial for future endeavors.

"Leader in Me"

The children will practice "Leader In Me" skills that are based on Stephen Covey's "7 Habits of Highly Effective People." The behaviors will be practiced each and every day by adults as well as children. All of our children are leaders and will be treated and addressed as such.

Program Goals

- The students will develop a familiarity with Computer Aided Design programs.
- Empowering children with the confidence to be "Environmental Change Agents".
- Teaching students to be environmental stewards while developing STEM competencies.
- Develop an interest in children to pursue careers in civil engineering or similar careers.
- Build self-irrigation gardens to improve their community and teach others how to build gardens.