

STEAM Umbrella Program Calendar for 2015

Middle School Students

Partnership and Collaboration with the Boys & Girls Clubs of Greater Washington - Hynton Branch

5070 Dale Boulevard, Dale City, VA 22193

Sessions are scheduled the 1st and 3rd Tuesday of each Month

5:00 to 6:45 PM

(Updated 1.14.15)

Facet	Month	Title and description of the activity	Learning Objective (what is the take away for the student)	SMART Goal for the National Report
HHS	November 18	Explaining 'STEAM' & Creating The Health- eNewsletter <i>Umbrella Program Initiative</i>	HHS will work with the PWC Boys and Girls club to provide health education activities that afford students opportunity to author, edit, design, and contribute art to a community-wide eNewsletter!	Implement a new interest among minority youth in the area of literacy (arts) and technology as it relates to Health, nutrition and disease prevention through the use of a student-led, community newsletter.
STY	December 2	Introduction to STEM Guest speaker from iAM Solutions, LLC will present.	Students will understand the meaning of STEM and get a broad view of careers in the STEM field.	Increase student knowledge of STEM 20% by April 2015
ITS	December 16	Promote Awareness of International Issues	Students will learn about the effects of and fight against Ebola from an international perspective through viewing an informative video and direct interaction with Rev. Dawn M. Sanders of The Lott Carey Mission.	The student's knowledge of Ebola and its effects on western Africa and what is being done to stop the spread of communicable diseases will be increased by 20% after participating in this interactive session.
STY	January 6 <i>(working on rescheduling)</i>	Graduate Student Panel Selected area graduate students will make up the panel.	Students will hear a panel of Grad students in the STEM fields discuss lessons learned as they have pursued college in the STEM fields, things they might have done differently at younger ages to pursue their careers, etc. Pretest and Posttest given. Students will be exposed to males and females who may not be in what we call traditional roles, i.e., male nurses, female engineers etc.	Expose students to 10 diverse STEM careers Increase interest in taking STEM classes.

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HHS	January 20	<p>Developing Nutritional Engineers</p> <p><i>Using a variety of technology tools, students will explore the 'Junk Food Mirror'</i></p>	HHS will work with the PWC Boys and Girls club to provide health education activities surrounding the 'Junk Food Mirror' app, that afford students opportunity to understand real-time impact of poor food choices. Students will also author, edit, design, and contribute art to a community-wide eNewsletter!	To educate students of the negative repercussions of unhealthy food and lifestyle choices, through the use of technological tools and increase student competency in caloric mathematics, sodium and fat intake and the results of each on the human body. (Assessments/Evaluations)
The Arts	January 24 (Saturday 10am-12)	Enhanced knowledge of Smithsonian Museum of African Art	Students will be given a brief questionnaire to benchmark their knowledge about the subject of African art in general, and Kente cloth in particular, at the beginning of the session before related video is shown. They will write blog-like one-pager, with an image to represent what they learned at the end.	Master Kente cloth weaver, Kwasi Asare , will visit from Ghana and will bring Smithsonian MAfAA docents, his large loom, and several small looms (for use by students), to promote awareness directly to students about an aspect of art in the African Diaspora. To further solidify the interactive phase, there will be a related video shown. Students will write a blog-like one-pager about their experience, with a photo or drawing of the Kente cloth they create. This entire activity will result in a 20% increase in student knowledge about this aspect of African Art.
STY	February 3	Virtual Field trip	Students will explore STEM offerings at colleges, one local, one HBCU through the internet using the computer lab	Increase interest in taking STEM classes in middle school and high school that will lead to potential college courses that lead to STEM careers.

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The Art and ITS	February 17	“Arts & Letters of The African Diaspora”	Students will explore and learn about historical and contemporary leaders in recognition of Black History month - Part 1	The Arts Facet is leading this effort in conjunction with ITS, wherein students’ knowledge will increase by 20% regarding the contributions of 10 poets and authors from Africa and of African descent. There will be a visit by at least one published poet, and or/author who will discuss their work and profession. Students will write poems and hold a mini-poetry slam.
The Arts and ITS	February 28 <i>(Saturday 10am-12)</i>	“Arts & Letters of The African Diaspora”	Students will explore and learn about historical and contemporary leaders in recognition of Black History month - Part 2	The Arts Facet is leading this effort in conjunction with ITS, wherein students’ knowledge will increase by 20% regarding the contributions of 10 artists and authors from Africa and of African descent. There will be a visit by at least one artist and/or author who will discuss their work and profession. Students will read chapters in a selected book and give short book reviews.
STY	March 3	Review of STEM data, documents and interactions from previous sessions.	Students will take informal assessment of their STEM knowledge and compare to pretest given during the 1 st session un Dec. 2014.	Students’ knowledge of STEM will increase 20% by April 2015.

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STY	March 7 <i>(Saturday Time TBD)</i>	<p>“Building Success With STEM”</p> <p>The remaining portion of the requested budget amount of \$2000.00 will be used to purchase instructional supplies and materials, prizes, awards, and incentives for competitive activities in the NASA developed curriculum used at the national level in the Links STEM initiative. STY will provide breakfast and lunch for participants; and provide a stipend to instructors for preparation and instruction time. Instruction Supplies & Materials, Incentives, Breakfast, & Lunch for 100.</p>	<p>Increase the knowledge and interest of middle school students in the Prince William County Community in established or emerging fields in Science, Technology, Engineering, and Mathematics (STEM).</p>	<p>Students will increase their knowledge and interest in established or emerging fields in Science, Technology, Engineering, and Mathematics (STEM).</p>

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ITS	March 17	Celebrate the work of Women in Technology and Science Around the World	Students will learn about the contributions of women artists and authors of Africa and African descent	The student's knowledge of the contributions of 7 - 10 women artists and authors of Africa and African decent will be increased by 20% after participating in this interactive session.
HHS	April 7	Hands-On Health <i>Science and Eating Right</i>	HHS will work with the PWC Boys and Girls club to provide health education activities that afford students opportunity to explore Science, mathematics, engineering, technology. Students will also author, edit, design, and contribute art to a community-wide eNewsletter!	To increase student awareness and competency of S.T.E.A.M initiatives, by April 7, 2015, helping students make the connection between S.T.E.A.M and making healthy lifestyle decisions for disease prevention in ethnic households. (Assessments/Evaluations)
NTS	April 21	Anti –Bullying Campaign	Trash Talking: It's No Joke! To bring awareness to the growing crisis of bullying, we are excited to introduce a comprehensive community anti-bullying program TRASH TALKING: IT'S NO JOKE! National Trends and Services facet is to eliminate disparities by reducing barriers to services through advocacy, education, and service.	The goal of this newest National Trends and Services initiative is to empower youth with the tools and skills to address bullying in all forms. To enhance a child's ability to avoid victimization To enhance a child's self-esteem To reduce the feelings of guilt and blame associated with victimization To promote disclosure of abuse and victimization To enhance and coordinate community response To enhance communication between parents and children about personal safety To reinforce adult supervision and protection To deter offender behavior.

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HHS STY	April 25 (Saturday Time TBD)	Prince William County-wide Team Summit	HHS will provide nutrition based education and activities for an estimated 200+ PWC youth and childhood obesity education for an estimated 50+ ethnic parents.	To increase student and guardian awareness in obesity prevention methods through nutrition-based activities/exercises; and inform parents of critical health screenings for disease prevention.

Facet Calendar for other Activities: **(Updated 1.14.15)**

Month	Initiative	Target Group	Partner(s)/Lead Facet/Link	Location
Dec	Toys for Tots	Families from Children & Family Services in Woodbridge, VA	NTS, with STY partnering	Ferlazzo Building
March	International Women's Month Recognition	Members of ODC	ITS	ODC March Chapter Meeting
April	Senior Luncheon Honoring Women Veterans	Senior Luncheon Honoring Women Veterans	Members of ODC, Women Veterans and Residents at The Lakeridge Fellowship House	NTS (Lead Facet) ITS is a supporting Facet
TBD	Hand Washing Campaign to help stop the spread of communicable diseases	Members of ODC, Incorporates and The PWC Community	HHS & ITS	TBD