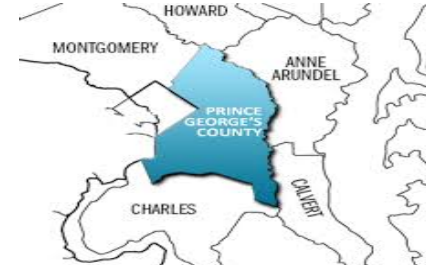


County Executive
Rushern L. Baker, III

Office of Information Technology



Prince George's County Summer Youth Enrichment Program

Tech Prince George's

Science Technology Engineering Arts and Math (STEAM)

"STEAM Dream Team" Technology Showcase

FOCUS



The focus of Tech Prince George's is on the development of a career pipeline and interceptive strategies to improve student matriculation and eventual career success in technology fields.

Goal



The goal of Tech Prince George's is to identify and develop students in Prince George's County who have demonstrated a sustained aptitude and interest in IT by developing a career pipeline through the following:

- Industry Partnerships
- Internships
- Career Days
- Experiential Learning

Tech Prince George's



This is made possible through partnerships between Prince George's County Government, Prince George's County Public School System institutions of higher education, nonprofit organizations and private industry. One of the Key pillars of Tech Prince George's is the STEAM Dream Team Technology Showcase...

Project Phases



The six week STEAM Dream project methodology is based on the principles of Design Thinking and includes the following phases:

- Week One – ORIENTATION – Soft skills and introductions
- Week Two - DISCOVERY - Identifying Projects & Idea Development
- Week Three - DISCOVERY – Formulate project requirements
- Week Four - DESIGN - Mock and Wireframe
- Week Five - DEVELOP – Minimally Viable Product (MVP)
- Week Six - PITCH & COLLABORATE - MVP and Pitch

2015 Cohort



On August 7, 2015, the Office of Information Technology concluded its STEAM Dream Team summer program. Thirty Six (36) Summer Interns worked to promote the use of technological innovation and ideas to improve some of the County's most challenging communities and featured:

Prince George's County Public/Private High Schools

- ❑ 24 Area Students and 6 Mentors

Colleges/Universities

- ❑ 6 Advisors

Focus on TNI



The interns were organized into groups of Six (6), each representing the County's Six Transforming Neighborhoods Initiative (TNI) Communities, namely:

- ✓ Langley Park
- ✓ East Riverdale/Bladensburg
- ✓ Kentland/Palmer Park
- ✓ Hillcrest Heights/Marlow Heights
- ✓ Suitland/Coral Hills
- ✓ Glassmanor/Oxon Hill

Technologies



The six teams were each assigned one of the following technologies:

- Drones
- 3D Printing
- Robotics
- Mobile Application Development
- Video Gaming
- Raspberry Pi

OIT STEAM Dream Team Technology Showcase



Each group was presented a challenge to apply the technology against in order to address some of the most vexing issues that face the County's Six TNI Communities.

At the conclusion of the program, each group presented their proposed technology solution before the Panel of Judges who determined which team developed the most innovative solution.

Judges



In addition to co-host County Executive Rushern L. Baker, III, the judges were:

- Nicholas Majett – Prince George's County Chief Administrative Officer
- Mel Franklin – Prince George's County Council Chairman, (D-District 9)
- W. Wesley Watts, Jr. – Prince George's County Public Schools Chief Information Officer
- Christine Jones – State's Attorney Office
- Christian Rhodes – Prince George's County School System
- Donna Dodson – National Institute of Standards and Technology
- Daryl Barnes – Maryland State Delegate



Winning Solution



Congratulations to the Winners!

Hand 4 A Hand

Created a Mobile Application
for the Citizens of Kentland/Palmer Park



Hand 4 A Hand



The application focuses on job placement. It alerts users of job opportunities within a 10 mile radius of their current location. The application provides full details about the jobs - such as the location, pay, bus route, etc.



Sponsors



We would like to give a special thank you to our sponsors who provided tremendous support, input and guidance to help make our program a

Huge Success!

Men Aiming Higher

First Stop – EDC

MindGrub

OIT 2015 STEAM Dream Team



Contact Us



For more information about Tech Prince George's or the STEAM Dream Team summer program, please visit:

<http://www.princegeorgescountymd.gov/sites/InformationTechnology/Services/TechPrinceGeorges/Pages/default.aspx>

or contact us at techpgc@co.pg.md.us.