WHAT IS PROJECT SPARC?

Project SPARC (Space Research Center) was founded in 1962 during the height of the Space Race as a partnership between the School District of Philadelphia and NASA in order to foster increased interest in science and math at the high school level.

Today the program has morphed into a STEM after school program in which students compete in robotics and engineering competitions across the city. In addition, we have students who learn computer coding, become first aid and CPR certified, and provide pathways to career opportunities for those interested in the medical field.

"Helping high school students to learn more about science, math, and technology through teamwork."

NEHS Project SPARC Boosters

Twitter: https://twitter.com/projectsparc
Facebook: https://www.facebook.com/groups/ProjectSPARC/photos/

A MESSAGE FROM OUR DIRECTORS

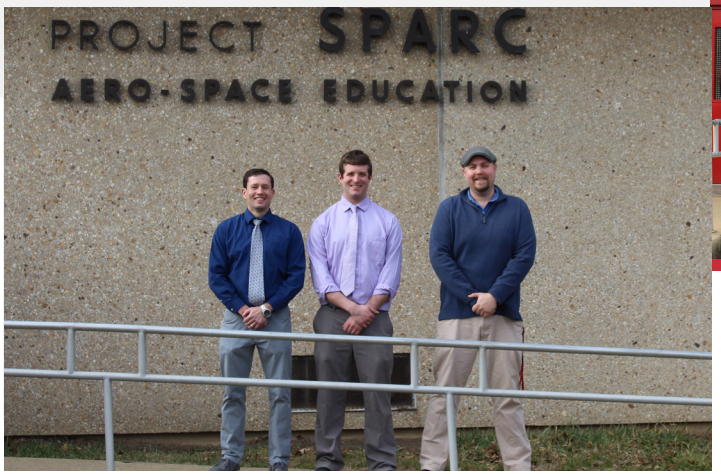
Project SPARC would like to introduce our new director and assistant directors, Mr. Andrew Adams and Mr. Jeremy Cress.

"As an alumni of Project SPARC, I cannot begin to describe how thrilled I am to be directing and guiding the institution into a premier 21st century STEM program. It is a responsibility I do not take lightly. Since I've taken over the position in January of this year, I've witnessed students captivated by science and engineering, and it's infinitely rewarding to provide an outlet for those students who are scientifically inclined. I am forever grateful to our generous donors and business partners that allow this program to continue. I am honored to present this year's spring flight as a testament to our young engineer's dedication to Project Sparc."

- Mr. Adams

"As Mr. Adams and I look towards the future of Project SPARC, I am excited to modernize SPARC in order to to inspire and prepare our members to become leaders in 21st century STEM fields." -

-Mr. Cress



A SPECIAL THANKS TO...

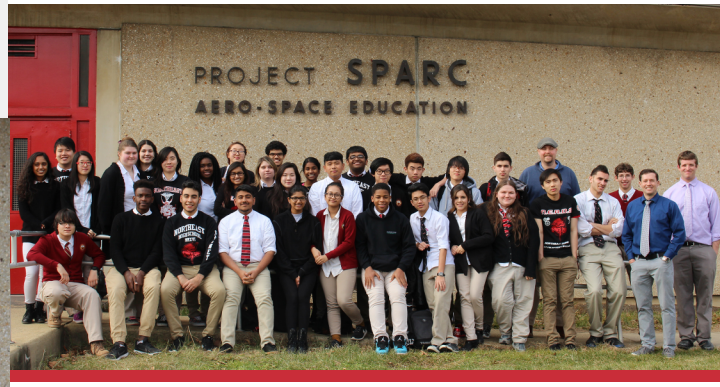
MR. BURTON DICHT | MS. CAROLE NIEMIC | MR. JOSEPH CONNELLY | NEHS CLASS OF 1966 | NEHS ADMINISTRATION | MR. CHRISTOPHER | MR. FRANK CAUTHORN | MS. BONNIE TAYLOR | MS. MARGARET KARPISKI | INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

PROJECT SPARC
SPRING SPACE FLIGHT SIMULATION

NORTHEAST HIGH SCHOOL
PROJECT SPARC
PHILADELPHIA

PROJECT SPARC

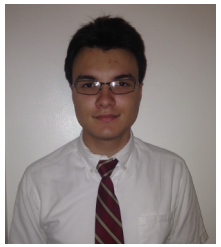
SPRING SPACE FLIGHT SIMULATION



June 2nd, & June 3rd, 2016
1601 Cottman Ave.
Philadelphia, PA 19111
Telephone: (215) 728-5018

MEET THE MANAGERS

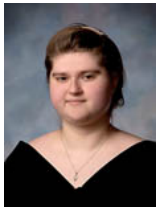
HOW DID PROJECT SPARC BENEFIT YOU?



ANTHONY GARCIA FLIGHT
Junior, Flight 2013-Present
Enabled him to learn new skills as well as help direct mock missions.

ROBOTICS EVAN CAREY
Senior, Robotics 2012-2016,
Cairn University '20, Music & Worship
Gained opportunity to work with and lead a team

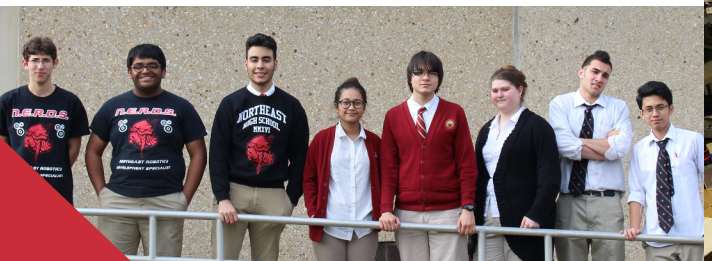
AMY LAM ADMINISTRATION
Senior, Administration 2013-2016, Temple University '20, College of Engineering
Able to spearhead a group of diverse members, leaving comfort zone



MEDICAL ELIZABETH MEKLER
Senior, Medical 2012-2016, Drexel University '20, Pre-Med Program, Learned that her goal in life is to be a doctor and impact others lives.

LUIS COLON-WYNNE MEDICAL
Senior, Medical 2014-2016, Community College of Philadelphia, Obtained knowledge, organization, and leadership skills through help from peers.

ENGINEERING CAMERON ROVAR
Senior, Engineering 2012-2016,
Marines, The importance of a teamwork is hard work and dedication



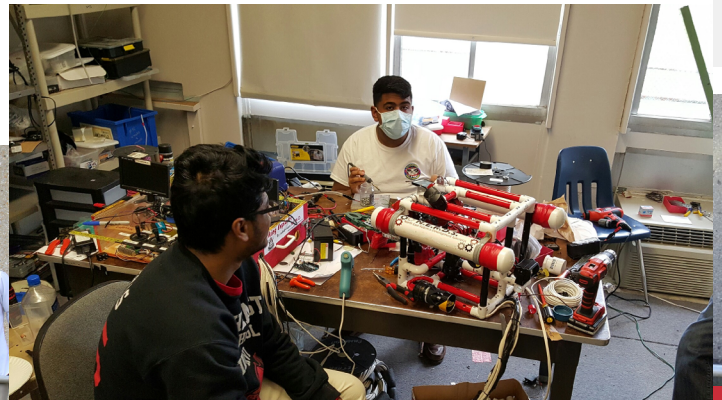
SPRING FLIGHT 2016

Four student astronauts will be launching from Mars to the Martian moon of Phobos where they will construct a recon station to control drones that will be roaming Mars. As they progress through their mission, a problem will arise where their food supply is going to unexpectedly run low. Faced with starvation and death, the student astronauts will come up with a plan to construct a greenhouse to grow food. Their idea is initially a success but then the astronauts will face a new crisis when the unaccounted for oxygen created by the plants will cause an explosion in the greenhouse.

Again faced with grave danger, SPARC engineers on Earth will construct a new vessel equipped with a photonic propulsion engine which will reach Mars in about 3 days. The payload brings food and supplies to sustain the astronaut's lives.

2015-2016 PROGRAM ACCOMPLISHMENTS

- Over 100 boxes of military canine supplies sent overseas
- State Champions First Tech Challenge 2016
- Top 10 in Mate (Marine Advanced Technology Education) Competition 2016
- Engineering placed 2nd in National Rube Goldberg Machine Contest 2015

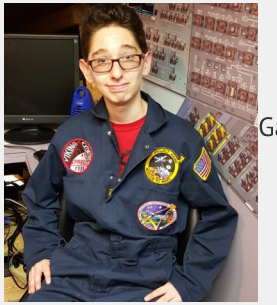


MEET THE ASTRONAUTS

HOW DID SPARC BENEFIT YOU?

MARLENE WIJAYA ADMINISTRATION
Junior, Administration 2013-Present
Earned CPR certification in Medical, and learned to work with a variety group of people .

KEVIN HUANG ROBOTICS
Junior, Robotics 2013-Present
Permitted him to study programming and build as well as controlling a robot.



EVAN SEITZ ROBOTICS
Freshman, Robotics 2016-Present,
Gained creativity and taught him to work in harmony with his peers.

ZHUO KUANG (IVY) ENGINEERING
Junior, Engineering 2014-Present,
Experience space exploration from being an astronaut her second time, including properties of physics.