



# Team 2537: Space RAIDers Outreach Report

APRIL 2017 - FEBRUARY 2018

ATHOLTON HIGH SCHOOL

## Recent Accomplishments

by Team 2537

### Public Outreach & STEM Fests: Atholton High School Events

We hosted 5 main events at our school: Raider Fest, 8th Grade Visitation Day, Freshman Orientation, and Back to School Night—all of which included peanut bot (rookie-built robots for software testing) demonstrations. Our biggest event by far was the Team 2537 Space RAIDers Open House, where we introduced our world-class robot Lovelace from 2017's Steamworks FIRST competition, met with numerous sponsors, educated kids about our mechanisms, and provided fun hands-on activities for everyone.

### HoCo Community College

At HCC, our team once again presented peanut bots to local students.

### Local School Events:

We had fun teaching children about STEM using peanut bots at Hammond, Northfield, and Swansfield Elementary schools.

### Service Events: GoBabyGo!

Our robotics team joined with several others to build motorized vehicles for disabled children.

### Lego Drive for Grassroots

In the spirit of the holidays, we collected brand new LEGO sets for kids at Grassroots.

### Field Assembly at USRA STEMaction

In preparation of this year's game, we helped set up game pieces and the field at the Universities Space Research Association headquarters.



Mech leader Billy Bott teaches kids about World-Class robot Lovelace.



Akele Knecht from Background explains the gender gaps and demographics in current STEM fields.

## Local Presentations:

### Women in STEM

Women are historically underrepresented in STEM fields. To raise awareness, we invited fellow mentor of Background, Akele Knecht, to inform us on demographics regarding gender and challenges women face in STEM careers. In addition to that, we started our own GirlPower group for discussion of solutions to recruiting more females to our team.

### Mentoring at Background

David Albert, lead mentor, and students trained rookie Team 5945 ABSOLUTE CONTROL in electrical systems and vision processing and targeting.

### Howard County Chinese School

Our outreach leader, Pace Isaac, promoted Team 2537 SpaceRaiders robotics program to local students of the HCC Chinese program.



*Council Member Heather Farnan leads a discussion with our GirlPower members.*

### Maryland Space Business Roundtable

This January, three of our members presented to the nonprofit organization MSBR regarding our past program accomplishments, impact on the community, goals, and budget plans.



*Bailey Cohen, senior student member, poses with Fred at a competition.*



**Our mascot, Fred the Space Unicorn, exchanges fist bumps with Community Superintendent Marcy Leonard at Team 2537's Open House in Nov. 2017.**