

# ACCOMPLISHMENTS

## 2021

### FMA District

- Chairman's Award

### FIRST Mid-Atlantic District Championship

- Dean's List Finalist: Erin McCarty

### Cadmium Group At Home Challenge

- Industrial Design Award

## 2020

### FIRST Mid-Atlantic District Championship

- Chairman's Award
- Dean's List Finalist: Madeleine Miller
- Donald Bowers Inspiration Award: Lisa Ruggieri

## 2019

### Waterbury - NE District

- Safety Award
- Entrepreneurship Award Winner

### Bridgewater-Raritan - FMA District

- Finalist

### Montgomery - FMA District

- Semi-Finalist
- Entrepreneurship Award

### FIRST Mid-Atlantic District Championship

- Quarter Finalist
- Safety Award
- Dean's List Finalist: Hannah Epstein

### FIRST Championship Detroit Darwin Divison

- Captain of Alliance One
- Semi-Finalist
- Undefeated in Qualification Matches

### FIRST Championship Detroit Darwin-Curie Divison

- Innovation in Control Award
- Safety Award Finalist

## 2018

### FIRST Championship - Tesla Division

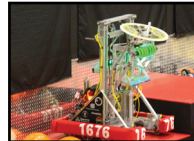
- Gracious Professionalism Award
- Industrial Safety Award

# OUR ROBOTS

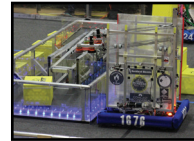
## 2020-21 C-3πO



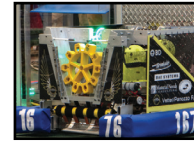
## 2019 Laika



## 2018 Dragon



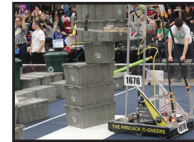
## 2017 Brazin'



## 2016 Leonardo



## 2015 Reaper



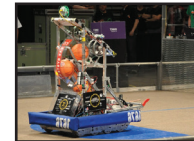
## 2014 Nightwing



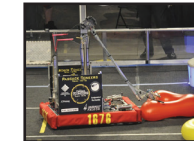
## 2013 Sidewinder



## 2012 Iron Horse



## 2011 Mantasaurus



## 2010 Weeble



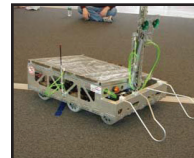
## 2009 Apollo



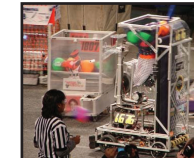
## 2008 Land Shark



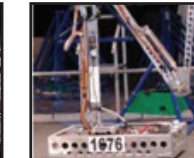
## 2007 Johnny Five



## 2006 Clyde



## 2005 Scorpion



2017 FIRST Robotics Competition  
World Champions



[www.team1676.com](http://www.team1676.com)

Pascack Valley Regional High School District  
Montvale, New Jersey

Pascack Hills High School • Pascack Valley High School  
Montvale • Woodcliff Lake Hillsdale • River Vale



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

[www.firstinspires.org](http://www.firstinspires.org)

# WHO WE ARE

The Pascack Pi-oneers is a *FIRST* Robotics Competition (FRC) Team. We are a proud culmination of students from Pascack Hills High School and Pascack Valley High School.

Team 1676 was established in the fall of 2004 by a student and former teacher at Pascack Hills High School, and Mercedes-Benz, the team's first corporate sponsor.

Due to support from coaches, teachers, and community mentors, the Pascack Pi-oneers have grown from 35 to 75 members in the past 17 years.



# WHAT IS FIRST?

*FIRST* (For Inspiration and Recognition of Science and Technology) is an international non-profit organization that aspires to "transform culture, making science, technology, engineering and math as cool for kids as sports are today."

*FIRST* was founded in 1989 by Dean Kamen, Inventor of groundbreaking medical devices as well as the Segway Human Transporter. Kamen's vision is to inspire young people, their schools, and communities, to appreciate science and technology, and to show how mastering these skills can enrich everyone's lives.

Over 679,000 Students from 110 countries are participating in 2021.



# WHAT WE DO

Under strict rules and limited time and resources, the Pascack Pi-oneers are challenged to build an industrial-size robot to play a game in a 3-robot alliance against other teams. They must meet their goals, design a team "brand," and advance respect and appreciation for STEAM in their community and internationally.



# OUR GOAL

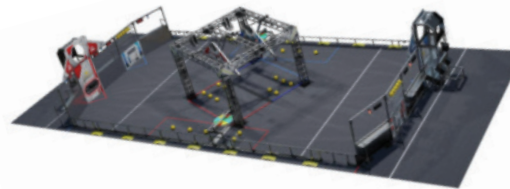
Our goal is to operate as a cohesive team, competing with Gracious Professionalism for *FIRST* and developing our students' abilities to collaborate, develop prototypes, and grow individually and collectively as a team. In addition, the team values its impact in the community and around the world.



# THE 2020-2021 GAME

## Infinite Recharge

"To protect *FIRST* City, two robot alliances race to collect and score a certain number of Power Cells in order to energize their Shield Generator. Droids manipulate their Control Panels and race to the Rendezvous Point in order to activate the Shield Generator within the 2:30 match time limit."

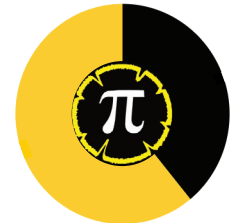


# SOCIAL MEDIA

**Facebook:** Team 1676 - Pascack Pi-oneers  
**Twitter:** @FRCteam1676  
**Twitter:** @Team1676Safety  
**Twitter:** Arts in STEAM: @theARTSinSTEAM  
**Instagram:** @frcteam1676  
**Instagram:** @frcteam1676safety



# STATISTICS



64% Male  
36% Female

58% Female Leadership

100% Graduation Rate

90% of Pi-oneers Major in STEAM Subjects in College

57% of members were on a Pi-oneer mentored FLL team

Over 370 team members have participated since 2004

# TEAM ORGANIZATION

The team is organized into Divisions and Sub-Divisions for maximum efficiency.

## Management, Outreach & Design Division

- Animation
- Awards
- Finance
- Graphics
- Info Tech
- Media
- Publications
- Safety

## Mechanical Division

- CAD
- Chassis
- Carpentry
- Electrical
- Programming
- Testing and Integration
- Mechanical Sub-Divisions

