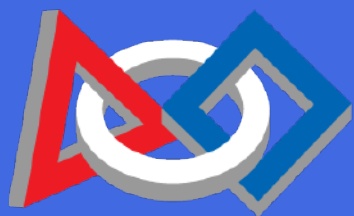


spartechs



**FIRST<sup>®</sup>**  
**ROBOTICS**  
**COMPETITION**

**Team 834 / SparTechs**

**Sponsorship Packet**

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## About Us

Team 834, the SparTechs, is a competitive robotics team part of the FIRST® Robotics Competition and is based in Center Valley, PA out of Southern Lehigh High School. Yearly, we inspire over 40 students and work to build a program that prepares students for a future in STEM and more. Through our team, we increase student confidence, leadership skills, and communication, all vital life skills to ensure success. As a non-profit organization, we rely on the support of sponsors, families, and the Southern Lehigh School District to spread STEM and to continue to inspire students.

## On Team 834, Students Can:



- Design, build, wire, and program a life sized robot
- Learn from professional engineers
- Work with industry grade software and hardware
- Build critical thinking, problem solving, and team work skills
- Qualify for over \$80 million in college scholarships



"The Varsity Sport for the Mind," the FIRST Robotics Competition (FRC) combines the excitement of sport with the rigors of science and technology. Under strict rules, limited resources, and time limits, teams of 15 students or more are challenged to raise funds, design a team "brand," hone teamwork skills, and build and program robots for a yearly game released by FIRST. It's as close to "real-world engineering" as a student can get. Professional engineers volunteer their time to assist each team.

## FIRST Student / Alumni are:

**2x**

more likely to pursue a career in science and technology and volunteer in their community

**3x**

more likely to show an increase in STEM interest

**4x**

more likely to pursue a career specifically in engineering

**10x**

more likely to have had an apprenticeship, internship, or co-op job in their freshman year.

# Achievements

## 2005-2015

- Philadelphia Regional: Regional Finalist x4
- Hatboro-Horsham Event: Industrial Safety Award x2

## 2016

- Hatboro-Horsham Event Finalist, Engineering Award
- World Championship Qualification

## 2017

- Westtown Event Winner, Quality Award
- World Championship Qualification

## 20

- Seneca Event Winner, Quality Award
- Westtown Event Quality Award



## 2019

- Seneca Event Winner, Quality Award
- Westtown Event, Safety Award

## 2021

- Game Design Challenge: Engineering Award



# Community Impact

On Team 834, we value our community.

## Yearly, we hold:

- Bird-house building events with a local boy/girl scout troop to teach them about engineering and our team
- Hour of Code at our district's intermediate school to teach them programming basics
- Attend our community day to share information about our team with local residents and demonstrate our robots
- and more!



# Sponsorships

## Investing In The Future

By investing in our team, you help us continue to educate, engage, and build skills in STEM subjects so students are ready to solve the world's problems in the future. Experience on Team 834 prepares students for college and the workforce, giving them the necessary skills to work at companies like yours. Through hands-on education with industry level tools and by working with professional engineers, experience on a FIRST Robotics Team is unmatched. However, this experience would not be possible without the continuous support of our sponsors, school, families, and companies like you. The costs of running our program (at minimum) are detailed below.

## Cost Breakdown

Registration/Travel	\$12,000
Robot Parts	\$7,000
Tools	\$2,000
Machinery	\$2,500
Outreach	\$1,500
<hr/>	
Total	\$25,000



# Sponsor Tiers

## Gigawatt

**\$4,000+**

- Logo prominently on robot
- Invitation to team practices
- Request Team 834 to be at corporate events
- Megawatt

## Megawatt

**\$2,000+**

- Logo on Robot
- Invitation to competitions
- Logo prominently on promotional material
- Kilowatt

## Kilowatt

**\$1,000+**

- Logo on team promotional material
- Two pieces of Team 834 merchandise (upon request)
- Watt

## Watt

**\$100+**

- Logo on team website
- Thank you letter / email
- Team updates

## How can you help?



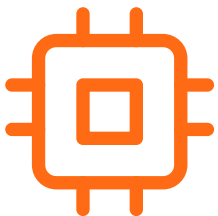
### Funding

Building a robot isn't cheap. Costs of parts, travel, tools, outreach, etc., can surpass \$40,000. Aid from sponsors is necessary to accomplish our goals and help our students pursue their passions. All donations are tax-deductible.



### Mentorship

Team 834 gives the students to work alongside professional engineers, business owners, artisans, programmers, and more. By donating your time, you help students gain more knowledge.



### In-kind Donations

Metal, computers, electronics, machining, consumables, food, and much more are all useful to the team. Donations help the team save costs over many seasons.





# Contact Us

If you would to learn more or are interested in sponsoring, contact us here:



[www.team834.org](http://www.team834.org)



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The SparTechs FRC Team 834

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