



CAVBOTICS
8590



2022-2023 ***SPONSORSHIP PACKET***



CAVBOTICS

FIRST Robotics Competition Team

CAVBOTICS, or Team 8590, is a FIRST Robotics Team founded in 2020 by a group of passionate students, parents, and teachers at W.T. Woodson High School in Northern Virginia. In the past year, our team has grown to include over 30 high school students and adult mentors. We compete in the FIRST Robotics Competition (FRC) hosted by FIRST.

Our Team

*This past season, as a 2nd-year rookie team, we extended our community outreach and improved our engineering capabilities winning us the **rookie all-star award** in both regional and district levels which qualified us for the **FIRST World Championship** in Houston. At Worlds, we competed in the Galileo field and won the **highest rookie seed award** making us one of the best performing rookie FRC teams in the world.*



"Striving to provide invigorating STEM experiences for all students..."



FIRST (For Inspiration and Recognition of Science and Technology) is an international non-profit 501(c)(3) organization that aims to prepare young people for the future through team-based robotics programs for ages 4-18.

Supported globally by volunteers, educators, and sponsors which include over 200 of the Fortune 500 companies, FIRST has a proven impact on STEM learning, interest, and skill-building well beyond high school.



Robotics Competition

The FIRST Robotics Competition is an international robotics competition that “combines the excitement of sports with the rigors of science and technology”. Under strict rules, limited resources, and a six-week time limit, teams must design, build and program an industrial-sized robot to perform prescribed tasks to compete in a challenging field game against other teams. Beyond the STEM aspect, teams are also challenged to raise funds and design a team “brand”. Teams initially compete in regional competitions and can advance as far as the World Championships.

- *Students are over 2 times as likely to gain a deeper interest in STEM*
- *87% of participants plan to become a scientist or engineer*
- *Girls in FIRST have a drastically increased understanding of STEM compared to those who are not*
- *Over 75% of FIRST alumni are in a STEM field as a student or professional*

“To transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders.”

- Dean Kamen, FIRST Founder



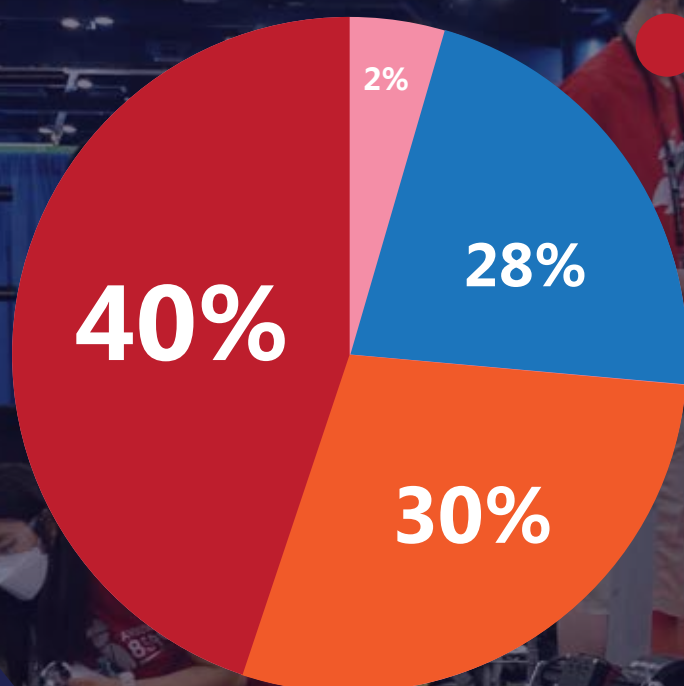
Budget and Fundraising

Overview

A typical FIRST robotics team requires funding of around \$20,000 - \$50,000. This season, our ultimate goal is to once again compete in the FIRST World Championship in Houston, Texas. We are thus aiming to participate in at least 2 district events and the district championship, which will provide us with the opportunity to qualify for the world championship. A majority of our budget will cover the designated registration fees as well as the travel, lodging, and food expenses for these competitions. Our budget also factors in the costs of necessary materials, parts, tools, and machinery for building a winning robot. As a third year team, we do not have a stock of materials and tools that most veteran teams would have from past seasons; therefore, material costs will be higher. Finally, our budget accounts for team branding in order to increase public awareness of both the team and its sponsors. Below is an overview of the projected team expenditures and budget.

Additional fundraising plans:

- Hackathon (Spring 2022)
- Local Middle/Elementary school outreach events
- Partnerships with local restaurants



Competition Registration - \$16,000

Seasonal registration, District Championships, World Championships, Additional in-district plays.

Materials, Parts, Tools - \$12,000

Various material stock (aluminum, polycarbonate, wood, etc), robot electronics, mechanical parts, various machining tools to acquire as a new team.

Transportation, lodging - \$11,000

Competition transportation (flights, buses, trailer rental fees, etc), hotel fees during overnight competitions, food.

Pit Costs, Team Spirit- \$1,000

Pit equipment (tables, chairs, workbenches, etc), team merchandise (shirts, banners, etc), team website fees.

Total Budget: \$40,000



Sponsorship Information

By sponsoring CAVBOTICS, you are not only graciously giving back to the community, but you are also working with our organization and FIRST to create educational opportunities for students and inspire them to become leaders in STEM.

Benefits of Donation

- Company exposure at local and international competitions and outreach events
- Tax deductions

Forms of Donations

- Monetary
- Access to machinery
- Materials or services
- Mentor volunteers

Levels

All sponsorship levels will receive the benefits of all previous levels. All incentives are negotiable. Donations of materials and services will also be accepted and the sponsorship level will be determined from the fair market value.

All donation to CAVBOTICS is made through the W.T. Woodson High School Cyber Security and Robotics Booster Inc, a certified 501(c)(3) non-profit organization, EIN: 85-2844497

Please feel free to contact us with any questions at:

FRC@wtwcsr.org

PLATINUM

\$5,000+

- Large company logo on T-shirt and promotional materials
- Large logo on robot
- Dedicated banner in the pit
- Team gifts and merchandise

GOLD

\$2,000-\$5,000

- Medium company logo on T-shirt and promotional materials
- Medium logo on robot
- Logo on team banner

SILVER

\$500-\$2000
Or Mentors

- Small company logo on T-shirt and promotional materials
- Small logo on robot
- Name and logo on team videos

BRONZE

\$250-\$500

- Business name and logo on website
- Social media "shoutout" on team Instagram and Twitter page
- Thank you letter

Make your donation online at WTWCSR.org or alternatively, Mail a check to:

WT Woodson High School Cyber Security and Robotics Booster Inc
4520 Willet Drive
Annandale, VA 22003

