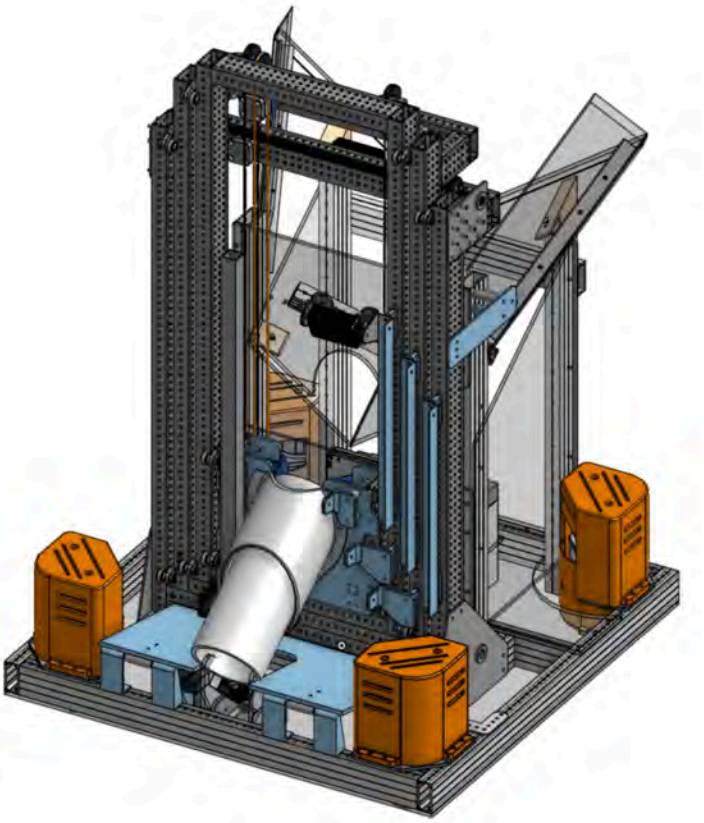
4638 JAGBOTS

2025-2026 SPONSOR PACKET

NORTHWEST HIGH SCHOOL
GERMANTOWN, MD



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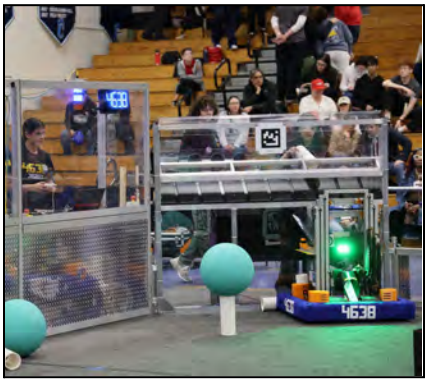
Mission Statement

The goal of the FRC Team 4638 (the Jagbots) is to inspire and grow STEM engagement among youth through robotics. The students of this team lead in designing, fabricating, assembling, wiring, and programming a robot for the FIRST Robotics Competition (FRC), allowing students to gain hands-on engineering, teamwork, and innovation experience. The Jagbots organize and run outreach events to expand access to STEM in our community. Through every project, we aim to spark curiosity, build real-world skills, and empower the next generation of leaders. The Jagbots are a community-focused team led by students to help create a better future.

FIRST Robotics

FIRST Robotics is a global organization that aims to inspire young people to be science and technology leaders. It is a non-profit organization that was founded in 1989 to provide accessible, innovative programs that motivate young people to pursue education and career opportunities in STEM.



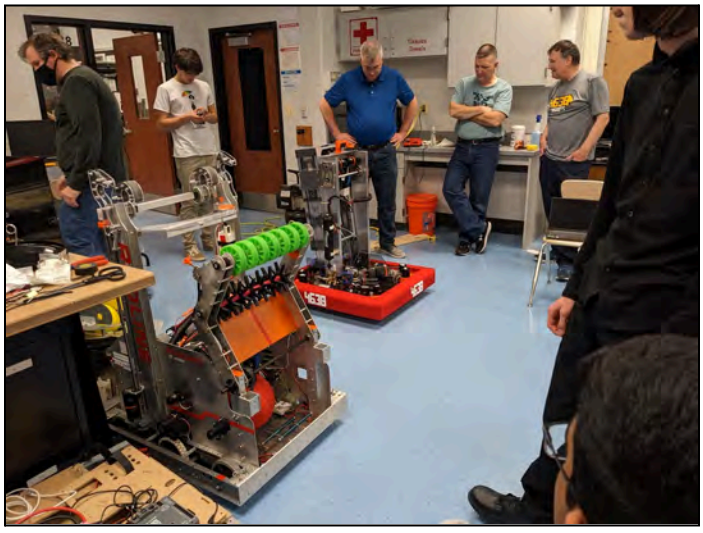
FIRST Robotics offers various programs, including the FIRST Robotics Competition, FIRST Tech Challenge, FIRST LEGO League, and FIRST LEGO League Jr. These programs provide young people with the opportunity to learn about science and technology in a fun and engaging way. Through its programs, FIRST Robotics seeks to inspire young people to become the next generation of science and technology leaders.

The organization has a strong focus on inclusion and diversity, and it aims to provide opportunities for young people from all backgrounds to participate in its programs.

Who we are

The Jagbots are a high-school based robotics team in Montgomery County, Maryland. Our team has consisted of 30 to 45 students and 3 to 5 mentors for the last several years. Since our founding, the Jagbots have provided consistent mentorship and technical resources for interested local students to design and build robots. We have been supported by our partner Clopper Robotics since 2022, which allows us to advance our mission to expand access to high-quality, hands-on STEM education, particularly for students from underrepresented and underserved backgrounds.

The Jagbots team is open to all high school aged students eligible for FRC, ensuring inclusive participation regardless of background, experience, or school affiliation. Over the past 13 seasons, the team has successfully designed, built, and competed with a fully functional robot annually, providing students with deep exposure to hardware engineering, software development, business operations, and community engagement.



What we do

FRC 4638 the Jagbots educate students by providing hands-on training in building, computer-aided designing, programming, and operating a robotics team. As a competitor in the FIRST Robotics Competition (FRC), the team gives students the opportunity to apply their skills they develop in a high-energy, real-world environment. Through mentorship and collaborative projects, members develop essential skills in engineering, teamwork, and problem-solving. The team emphasizes both technical knowledge and leadership development, while preparing members not only to design and operate robots but also to manage the many aspects of the STEAM space that could help them later in life. This well-rounded approach ensures that students gain experiences that extend beyond robotics into meaningful real-world applications.

Outreach Achievements (2025)

- **STEM Nights:** Participated in three Montgomery County Public School elementary STEM Nights, including a Title I school within our cluster, reaching **360** elementary students and families with robot demos and interactive learning activities.
- **Girl Scouts Collaboration:** Partnered with a local Girl Scouts troop to help members earn their robotics badge. This event empowered girls in STEM and directly engaged **40** youth and families.
- **Social Media Engagement:** Boosted visibility via Instagram, achieving **80,000** post views across the broader FRC community, helping to raise awareness and inspire future participation.
- **Total Community Impact (2025):** Reached **578** students and **918** individuals overall through all outreach initiatives.

Yearly Cost Rundown

These costs are an estimate for robotics team operations. It may not include things such as upgrades for tooling or manufacturing capabilities, shop space rent, 501(c)(3) related expenditures, etc. We are funded primarily through grants and sponsorships.

Registration Fees ($11,500-17,500 Total)

- ★ $6,300 Season Registration
  - ☆ Includes 2 District Events
- ★ $4,000 District Championship
- ★ $5,000 World Championship (if Qualified)
- ★ $1,200 Off-Season Competitions

Robot Costs ($12,000 Total)

- ★ $10,800 for FRC Robots
  - ☆ $9,300 Mechanical Components & Motors
  - ☆ $1,500 for Electronic Components & Sensors
- ★ $1,200 for Educational Robots
  - ☆ $1,000 Mechanical Components & Motors
  - ☆ $200 for Electronic Components & Sensors

Travel Costs ($3,000-14,000 Total)

- ★ $4,000 Transportation Costs
  - ☆ $500 For District Championship Travel
  - ☆ $3,500 For World Championship
    - ✦ $2,500 For Travel
    - ✦ $1,000 For Robot Transport
- ★ $10,000 in Lodging
  - ☆ $2,500 For District Championship
  - ☆ $7,500 For World Championship

Educational & Training, Outreach, and Marketing Costs and ($4,600 Total)

- ★ $3,200 Off-Season Educational Development Costs (Off-Season Robot Development & Training Projects)
- ★ $600 in Outreach (Event hosting, interactive promotional items etc.)
- ★ $1,800 to Marketing (Updated Sponsor Banners, Team Uniforms,, etc.)

Ideal safety net ($7,500 Total)

Total Per Year: $32,900-$48,900

Team Goals

Goal to Increase Development Opportunities

- Summer robot-build to train returning members on design, wiring, and programming.
  - Completed in August: Bot-ista (baseball pitching robot).
- Build a development robot for Bunnybots competition to train new members.

Goal to Extend Local School Outreach

- While we have done local STEM nights for several of the local elementary schools, we have built and are building smaller robots through the aforementioned development robots to allow easy transportation.
- Our goal is to attend every feeder-school's STEM event, unless scheduling conflict precludes attendance

Alumni Communication Goal

- Our team has existed for 13 years, and we have not had an official tracking or communication tool. We plan to have a form where alumni can report their education & employment, as well as whether it is a STEM field. We want to **demonstrate** how the robotics team experience has supported education.

Competition Goal

- We plan to compete in 2 or more off-season competitions this year. In the past 3 years we have only attended one off-season competition in total, so we want to allow students to experience the event and learn from other teams' designs.

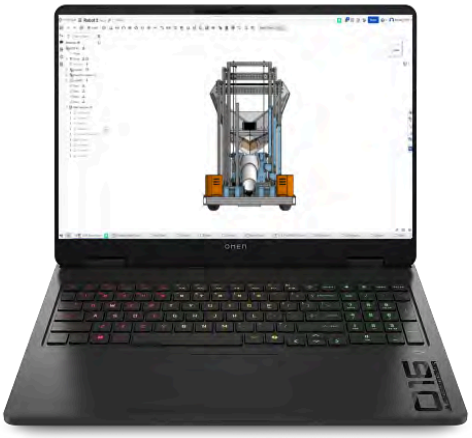
Sponsor Relationships Goals:

- Along with welcoming new sponsors, we are dedicated on deepening relationships with existing sponsors
- We aim to offer sponsor-hosted events that provide unique experiences and opportunities for engagement, which may or may not be directly related to STEAM.
- Furthermore, we intend to showcase our sponsors prominently, utilizing platforms such as our future website and social media channels, while also inviting them to participate in team activities.

Team Needs

For the upcoming 2025-2026 FIRST robotics season, the team has the following goals in mind to further improve our program:

- **Replace computers used for design, programming, and machine operation:**
    - We use computers that were purchased pre-2020. Of the many things we use the team computers for include: design (CAD), programming robot control and navigation systems, and providing programming to run 3D-printers and our CNC-mill. We plan to replace up to 4 of these computers this year as our budget allows.
    - **Graphics-capable laptops - $3,940.**



Refresh inventory:

- During summer 2025 we have been re-using a large number of components to build our development robots. Consequently, we have depleted stock we had on hand. Having materials and parts in stock allows students to prototype ideas immediately, and also avoids the need for rush-shipping when we are on a deadline.
- Materials we typically use include polycarbonate and aluminum sheet goods, aluminum square/rectangular tubing, lumber, hex shafts, bearings, connecting hardware, wiring, motors & motor controllers from FIRST compatible vendors.

Sponsorship Tiers

We invite you to become a valued partner in our mission to inspire and empower the next generation of innovators through robotics and STEAM education. By joining forces with us, you can make a meaningful impact on the lives of young students and contribute to the growth of our community. We recognize both cash and in-kind donations.

As a sponsor, you have the opportunity to choose from our sponsorship tiers, each offering distinct benefits and levels of recognition:

Title Sponsorship **-** *Multi-Year Partnership*	This is custom-tailored for each organization, please contact us for more details.
Platinum - $5,000+	• Large logo on our robot, team t-shirts, and electronic banner • Recognition during internationally streamed competitions • Frequent social media mentions and inclusion in video content • Top placement on our sponsor webpage • Team presentation/demo at your office • Monthly VIP tours of our robotics shop during the season • All-access team pit tour and photo opportunity at every competition • Custom thank-you plaque and handwritten letter from our team • Personalized thank-you video recognizing your company's support
Gold - $2,500 - $4,999	• Medium logo on our robot, team t-shirts, and electronic banner • Featured on our sponsor webpage • Social media mentions • Team presentation at your office • Tour of our robotics shop during the season • Personalized team pit tour at a competition of your choice • Custom thank-you plaque and a handwritten letter from our team
Silver - $1,000 - $2,499	• Small logo on our robot, team t-shirts, and electronic banner • Featured on our sponsor webpage • Team presentation at your office • Personalized team pit tour at a competition of your choice • Group thank-you post on social media
Bronze - $500 - $999	• Name listed on our team t-shirts, electronic banner, and sponsor webpage • Personalized team pit tour at a competition of your choice • Personalized thank-you certificate

To explore these sponsorship tiers or discuss a personalized package, please contact us at jagbotics4638@gmail.com Our team is eager to further discuss the benefits, recognition, and unique opportunities associated with each tier.

Supporting Organizations

Clopper Robotics Corp. is a 501(c)(3) tax-exempt organization, and your donation is tax-deductible within the guidelines of U.S. law. To claim a donation as a deduction on your U.S. taxes, please keep your donation receipt as your official record. We'll send it to you upon successful completion of your donation.

Our W-9 can be provided upon request.

Website | Email | Github | Instagram | YouTube

Checks may be made out to: **Clopper Robotics Corp.**

2024-2025 Partners

MSBR Maryland Space Business Roundtable

Northwest Booster Club