

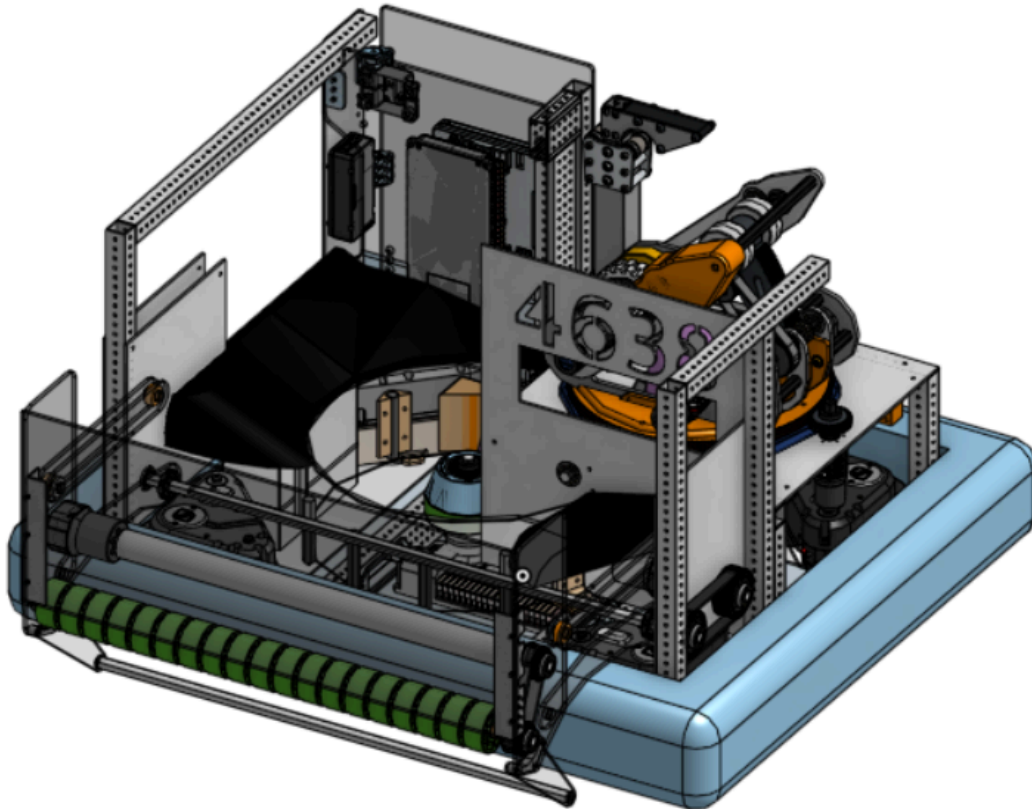
# 4638

## JAGBOTS



**2026-2027**  
**SPONSOR PACKET**

**NORTHWEST HIGH SCHOOL**  
**GERMANTOWN, MD**



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## MISSION STATEMENT

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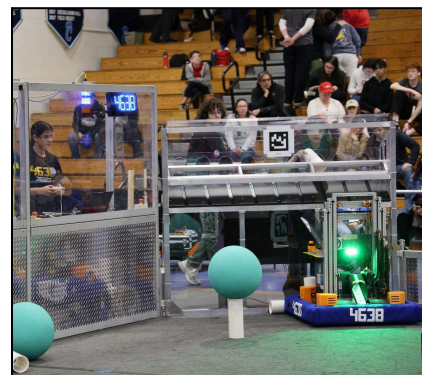
The goal of the FRC Team 4638 (the Jagbots) is to inspire and grow STEM engagement among youth through robotics. The students of this team lead in designing, fabricating, assembling, wiring, and programming a robot for the FIRST Robotics Competition (FRC), allowing students to gain hands-on engineering, 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.



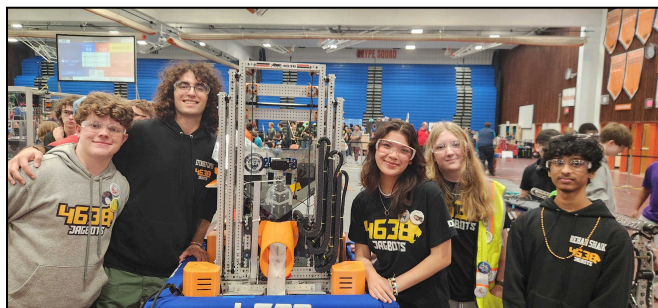
## WHO WE ARE

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The Jagbots are a high-school based robotics team in Montgomery County, Maryland. Our team has consisted of 30 to 70 students and 3 to 15 mentors for the last several years with some recent growth. 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 14 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

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FRC 4638, the Jagbots, provides hands-on training in CAD, programming, fabrication, and team operations through participation in the FIRST Robotics Competition. Students apply technical and leadership skills in a competitive, real-world engineering environment while developing teamwork, problem-solving, and project management abilities. As a FIRST Like a Girl Ambassador, the team promotes inclusivity and empowerment in STEM.

### Outreach Achievements (2025-2026)

- **STEM Nights:** Participated in six Montgomery County Public School elementary and middle school STEM Nights, including a Title I school within our cluster, reaching **700** 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, TikTok, and Youtube achieving over **400,000** post views across the broader FRC community, helping to raise awareness and inspire future participation.
- **Total Community Impact (2025-2026):** Reached **1191** students and **1529** individuals overall through all outreach initiatives.



### First Community Advancements (2025-2026)

- We supported FTC team 13100 and FRC teams 2963, 5426, 7220, 9033, 11096, 11141, 11252, 11211, and 11380 through machining, design assistance, programming help, mentorship, and shop collaboration, helping multiple teams improve performance, build robots, and develop stronger technical and organizational skills.

## 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 (\$13,700-18,450 Total)

- ★ \$7,500 Season Registration
  - ☆ Includes 3 District Events
- ★ \$4,000 District Championship
- ★ \$5,750 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 (\$5,500-16,500 Total)

- ★ \$1,000-4,500 Transportation Costs
  - ☆ \$500 For District Championship Travel
  - ☆ \$3,500 For World Championship
    - ◆ \$2,500 For Travel
    - ◆ \$1,000 For Robot Transport
- ★ \$5,000-12,500 in Lodging
  - ☆ \$2,500 For Philadelphia Event
  - ☆ \$2,500 For District Championship
  - ☆ \$7,500 For World Championship

### Educational & Training, Outreach, and Marketing Costs and (\$3,500 Total)

- ★ \$1,500 Off-Season Educational Development Costs (Off-Season Robot Development & Training Projects)
- ★ \$600 in Outreach (Event hosting, interactive promotional items etc.)
- ★ \$1,400 to Marketing (Updated Sponsor Banners, Team Uniforms,, etc.)

### Ideal safety net (\$7,500 Total)

**Total Per Year: \$41,200 - \$57,950**

## TEAM GOALS

### Goal to Increase Development Opportunities

- Summer robot-build to train returning members on design, wiring, and programming.
- Build a development robot for Bunnybots competition to train new members.
- Build some form of outreach bot specialized for outreach events

### 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 14 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

- This offseason, we plan to compete in multiple events for the first time, giving students valuable hands-on experience, technical growth, and more opportunities to participate. Last season, we attended an inter-district event for the first time since 2019 and, after a win, have positioned the team to qualify for its first World Championship this year.

### Sponsor Relationships Goals:

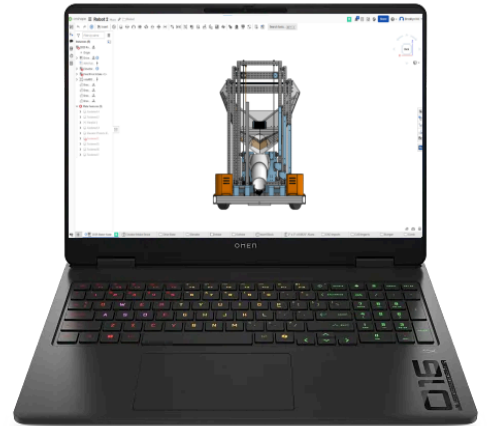
- We aim to offer sponsor-hosted events that provide unique experiences and opportunities for engagement, which potentially may be directly related to STEAM.
- Furthermore, we intend to showcase our sponsors prominently, utilizing platforms such as our future website and social media channels, while 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 rely on team computers purchased prior to 2020 for CAD design, programming robot control and navigation systems, and operating tools like 3D printers and our CNC mill. This past season, our main laptop was damaged, reducing our capacity for development work. As budget allows, we plan to replace up to four computers this year to restore and improve our technical workflow.
  - **Graphics-capable laptops - \$3,940.**



### Refresh inventory:

- During summer 2026 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:

<b>Title Sponsorship - Multi-Year Partnership</b>	This is custom-tailored for each organization, please contact us for more details.
<b>Diamond - \$4,638+</b>	<ul style="list-style-type: none"> <li>• Large logo on our robot, team t-shirts, and electronic banner</li> <li>• Recognition during internationally streamed competitions</li> <li>• Frequent social media mentions and inclusion in video content</li> <li>• Top placement on our sponsor webpage</li> <li>• Team presentation/demo at your office</li> <li>• Monthly VIP tours of our robotics shop during the season</li> <li>• All-access team pit tour and photo opportunity at every competition</li> <li>• Custom thank-you plaque and handwritten letter from our team</li> <li>• Personalized thank-you video recognizing your company's support</li> </ul>
<b>Gold - \$2,500 - \$4,637</b>	<ul style="list-style-type: none"> <li>• Medium logo on our robot, team t-shirts, and electronic banner</li> <li>• Featured on our sponsor webpage</li> <li>• Social media mentions</li> <li>• Team presentation at your office</li> <li>• Tour of our robotics shop during the season</li> <li>• Personalized team pit tour at a competition of your choice</li> <li>• Custom thank-you plaque and a handwritten letter from our team</li> </ul>
<b>Silver - \$1,000 - \$2,499</b>	<ul style="list-style-type: none"> <li>• Small logo on our robot, team t-shirts, and electronic banner</li> <li>• Featured on our sponsor webpage</li> <li>• Team presentation at your office</li> <li>• Personalized team pit tour at a competition of your choice</li> <li>• Group thank-you post on social media</li> </ul>
<b>Bronze - \$500 - \$999</b>	<ul style="list-style-type: none"> <li>• Name listed on our team t-shirts, electronic banner, and sponsor webpage</li> <li>• Personalized team pit tour at a competition of your choice</li> <li>• Personalized thank-you certificate</li> </ul>

To explore these sponsorship tiers or discuss a personalized package, please contact us at [jagbotics4638@gmail.com](mailto: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.



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

## 2025-2026 PARTNERS

