

---

# Eagle Robotics

## Sponsorship Packet

2023-2024 BEST and FIRST Competition Seasons

---



FRC Team 5417

## Mission Statement

We spread the message of FIRST through the theme of i<sup>4</sup>: Innovative, Inquisitive, Inclusive, and Inspiring. As the most positive and real solution, we encourage future STEM leaders to embrace i<sup>4</sup> to learn, grow, and soar to new heights.

## Business Summary

### Executive Summary

FRC Team 5417 was established on September 1st, 2014 as an extension of the newly formed robotics classes and club at Allen High School in Allen, TX. The student leadership of Eagle Robotics voted to participate in the FIRST Robotics Competition to advance engineering programs within Allen ISD. Initially known as A-Team Robotics, our team began with 15 students, including only one female student. We have now grown to support more than 200 students a year on A BEST Robotics Team, four FIRST Tech Challenge teams and 2 FRC Teams, with 39% of these students being female.

Allen ISD Teachers Greg Burnham, Graham Gadd, Julie Kiel, Jane Liva and Stephanie Burnham have partnered with professional mentors Nathan Huntoon, Darrell Ray, Amanda Lee, Charles Logston, Audrey Bartlett, Asheesh Bhardwaj, Jeremy Espinoza, Shelby Ryan, Jangila Hillas and others to guide Allen ISD high school students through problem solving real life problems to grow 21st century skills

Eagle Robotics trains tomorrow's STEM leaders with the skills needed to design and build a robot for the FIRST Robotics Competition, in addition to building networks and professional skills. As part of our long-term plans to turn our school district into a haven for robotics, our team has been working with elementary aged kids in our community and special needs students in our district since 2016. In 2021, we took FIRST Access Robotics (a Unified Sport) to the Texas Cup and started a robotics initiative called Eaglets to inspire younger, elementary-school students to pursue STEM. We present at international and local conferences, host speakers and local business councils, hold open houses for Allen ISD students, and continue to create brand awareness through outreach events. We have alumni who have graduated from Cornell, Purdue, Embry-Riddle and the University of Texas at Austin, Dallas and Arlington; additionally, many former members are currently attending those and other prestigious universities with renowned STEM programs while also applying their skills in the real world. Former Eagle Robotics students now work at Boeing, Texas Instruments and Google Analytics and more.

Eagle Robotics receives funding through numerous grants, sponsorships, and fundraisers. We earmark a portion of our annual budget to support the FTC teams at the freshman center in our school district and fund our Eaglets Kits for Kids initiative. We maintain a sufficient outreach program to help foster interest in STEM in younger students that stay with them after they graduate.

## Team Impact / Outreach

Eagle Robotics participates in community outreach events to positively impact our community, engage younger students in STEM and robotics and spread FIRST awareness. As a team, we work year-round within the community to promote robotics inside and outside of the classroom through robot demonstrations and presentations. We advocate STEAM with Allen Arts Alliance festivals and in-district elementary and middle school STEAM nights. By hosting FIRST Lego League and FIRST Tech Challenge Qualifying Events and the NTX FRC off-season event, we demonstrate the educational value of competitive robotics and STEM. Eagle Robotics started WISE — Women Involved in STEM Education — which is a platform for high school girls to connect elementary school students with the science behind everyday activities. Eagle Robotics also makes STEM inclusive for everyone through Special Olympics UNIFIED robotics, which offers STEM opportunities to intellectually disabled students. As partners, Eagle Robotics works side by side with them to accomplish engineering challenges to show them that they, too, can be future STEM leaders.

Allen ISD integrates our \$40 million STEAM Center into the K through 12 curricula, allowing us to share FIRST with over 21,000 students every year. Our innovative outreach inspired a community member to contact us to design a custom wheelchair to solve their dog's mobility issues. FOX4 News broadcasted this dog's story and highlighted our team's involvement. The broadcast reached 128,000 households in the DFW area, and the article was read 52,000 times. After hearing about us from the news story, a second dog owner reached out for us to design a stabilization device to aid their dog's balance.

## Team Structure

Our team operates as a partnership led by our Head Coach, Booster Club, and mentors. Our student leadership follows a functional structure dividing officers into specialized tasks. Our mentors align themselves with the specialized group that matches their skillset. The skills-based volunteering methodology allows our mentors to participate in ways they enjoy and helps us attract more mentors, including non-technical professionals.

The various sub-teams (Programming, Business, Build, etc.) change season to season and divide our tasks beneficially. By reviewing every sub-team's goals at the start of each meeting, we help address any potential roadblocks on our way to success. In addition, we hold elections for important positions and have instituted a hierarchical system to maximize efficiency and communication.

## 2023-24 Team Budget

Blanks are grants or former donors we are applying for funding for the season

<b>Revenue</b>	
Detail	Estimated Amount
BEST Dues	\$2,400.00
FRC Dues	\$9,000.00
FRC Student Travel Fees	\$12,000.00
Allen Eagle Robotics Booster Club	\$10,000.00
Allen ISD CTE	\$20,000.00
Boeing	
TI Grant and Volunteer Money	\$3,500.00
Qualizeal Inc. Donation	
Raytheon	
Intuit	
BAE Systems	
FIRST in Texas Grant	
Tommy Terrific Car Wash	\$1,000.00
Siemens Grant	
Mentor and Family Donors	
There is room for your company here	
<b>TOTAL</b>	<b>\$57,900.00</b>
<b>Expenses</b>	
Detail	Estimated Amount
BEST Registration	\$600.00
BEST District Bus	\$800.00
BEST State Championship Bus	\$1,400.00

BEST Suburban Costs	\$500.00
FRC District 1 Bus	\$1,200.00
FRC District Competition 2 Bus	\$4,200.00
FRC District 2 Hotel	\$4,600.00
FRC State Championship Bus	\$5,400.00
FRC State Championship Hotel	\$5,500.00
FRC World Championships Bus	\$6,000.00
FRC World Championships Hotel	\$6,500.00
FRC Suburban Costs	\$1,500.00
<b>Travel Subtotal</b>	<b>\$37,600.00</b>
FRC District Registration	\$12,000.00
FRC State Registration	\$8,000.00
FRC World Championships Registration	\$10,000.00
<b>Registration Subtotal</b>	<b>\$30,000.00</b>
Parts	\$8,000.00
Materials	\$5,000.00
<b>Build Supplies Subtotal</b>	<b>\$13,000.00</b>
Eaglets Supplies	\$500.00
Lowery Freshman Center FTC	\$750.00
Marketing Materials	\$1,000.00
<b>Outreach Subtotal</b>	<b>\$2,250.00</b>
Strategy Team Expenses	\$500.00
Apparel	\$500.00
<b>Miscellaneous Subtotal</b>	<b>\$1,000.00</b>
<b>TOTAL</b>	<b>\$83,850.00</b>
<b>Fundraising Needed</b>	
Detail	Estimated Amount
Fundraising Needed	<b>\$25,950.00</b>

# Sponsor Benefits

## Sponsorship Levels

All sponsorship levels receive a poster of the team with the current year's robot.

### Impact - \$5,500 +

- Competitions: Your company acknowledged first
- Robot: Logo or Name of individual / business in extra-large font
- Team T-shirt: Top name or logo placement on back
- Banner: Logo or Name of individual / business in extra-large font
- Trailer: Logo or Name of individual / Listed in order of financial magnitude
- Website: Logo or Name of individual / business in extra-large font

### Benefactor - \$3,000 - \$5,499

- Competitions: Your company acknowledged second
- Robot: Logo or Name of individual / business in large font
- Team T-shirt: Second level name or logo placement on back
- Banner: Logo or Name of individual / business in large font
- Trailer: Logo or Name of individual / Listed in order of financial magnitude
- Website: Logo or Name of individual / business in large font

### Sponsor - \$1,500 - \$2,999

- Competitions: Your company acknowledged third
- Robot: Logo or Name of individual / business in medium font
- Team T-shirt: Third level name or logo placement on back
- Banner: Logo or Name of individual / business in medium font
- Trailer: Logo or Name of individual / Listed in order of financial magnitude
- Website: Logo or Name of individual / business in medium font

### Patron - \$500 - \$1,499

- Robot: Name of individual / business in small font
- Team T-shirt: Name of individual / business in small font
- Banner: Name of individual / business in small font
- Website: Name of individual / business in small font

### Donor – \$100 to \$499

- Website: Name of individual / business in small font

## Team Contact Information

### Internet Presence

**Website:** team5417.com

**Team Email:** team5417@gmail.com

**Facebook:** www.facebook.com/FRCTeam5417

**X:** @allenrobotics

**Instagram:** @eagle.robotics

### Main Contacts

**Lead Mentor:** Greg Burnham

**Title:** Engineering and Robotics Teacher

**Email:** gregory.burnham@allenisd.org

**Cell Phone:** 945.217.8631

**Allen ISD STEAM Center:** 469.675.2700

Allen Eagle Robotics

Booster Club

Email: alleneaglerobotics@gmail.com

### Team Meeting Information

**Location:** Allen ISD's STEAM Center, Room B142

**Dates:** Mondays, Wednesdays, Saturdays

**Times:** Weekdays – 17:00-20:00; Weekends – 10:00-15:00

### Sponsorship Information

Our team's yearly budget is subdivided into five sections including - transportation, registration, build supplies, outreach, and miscellaneous. Sponsors select specific categories to provide funding for whichever category fits their mission the best. Sponsors may indicate their choice on the sponsorship commitment form. We are currently seeking all levels of sponsors to invest in our future together.

Donations are tax deductible; please contact the Booster Club for more information. We understand that some donations can only be made out to the school club directly, in that case, **checks should be made payable to AHS Eagle Robotics.**

For donations to the booster club (a 509(a)2 organization), checks should be made payable to **Allen Eagle Robotics, EIN 81-5184772.**

### Mailing Address

STEAM Center  
ATTN: AHS Eagle Robotics  
1680 Ridgeview Drive  
Allen, TX 75013

AER Booster Club  
Allen Eagle Robotics  
401 Century PKWY # 1358  
Allen, TX 75013