

Dulles Robotics

2019-2020 Sponsorship Packet



550 Dulles Ave
Sugar Land TX 77478

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About the Club



Dulles High School Robotics competes in the FIRST Robotics program in both the FIRST Tech Challenge (FTC) and FIRST Robotics Competition (FRC). Beginning with one FTC team upon its formation in August 2016, Team #12456: Big Red, the club has since expanded with the addition of two robotics teams, FTC Team #13822: Robo-Vikings and FRC Team #7494: Circuit Bizurkers. The club has accumulated more than 35 members divided into 5 different departments: Programming, Build, Presentation, Marketing, and Design, with members utilizing Java to code and 3-D modeling software such as Inventor and SolidWorks to model their ideas. Members are exposed to aspects of technical design, computer programming, and business management while learning valuable skills that can be used in a variety of applications. In addition to competitions, the club also works throughout the community to spread awareness for STEM and inspire future generations.

Our Mission

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To encourage the next generation of aspiring engineers to pursue a career in STEM while building their technical expertise, leadership, teamwork, communication, and accountability by providing them hands-on experience in real-world applications.

Core Values

Gracious Professionalism

The notion of gracious professionalism entails kindness, integrity, and respect. The expectation is that our members display gracious professionalism through their actions. By helping those in need, collaborating with fellow teams, and engaging with the community, the virtues of gracious professionalism are upheld.

Education

Dulles High School Robotics was initially created with the intentions to teach students the principles of technology and programming. Due to the nature of FRC and FTC, our focus has shifted to incorporate varying fields such as marketing, business, and outreach. Although we have broadened our focus, we still encourage our constituents to employ themselves in studies technology and programming.

Having Fun

While our members value the competitive nature of robotics competitions, we also want our members to enjoy their learning experience. Therefore, we host socials that are opened to every member within the organization. Hosting socials allows us to bond over the thing that brings us all together: robotics.



Reaching Out

One of the primary goals of our team is to create a positive impact in our community. A way that we achieve this is through our various outreach events. As a club, we participate in outreach events both during the summer and throughout the school year, striving to generate an interest and passion in STEM. Previous outreach includes participation in Fort Bend ISD's annual STEAM Fest, robot demonstrations for students at the Kids Robotics Academy, and teaching the girls of Dulles Middle School's Girls Who Code Club the basics of robot design, build, and programming.

STEAM Fest



Math and Science Academy Night

Girls Who Code



Kids Robotics Academy

Fish Camp



Dulles Middle School Volunteering

Awards & Achievements

2016 - 2017

- **3rd Place** - USTEM Best Robotics Competition
- **Finalist Alliance Award** - FTC Velocity Vortex regional qualifier
- **UIL State Team Spirit Award** - Given for outstanding sportsmanship and gracious professionalism
- **Outreach:** Mini Maker Faire, Course Selection Night, Middle School presentations

2017 - 2018

- **Finalist Alliance Award** - FTC Relic Recovery Regional Qualifier
- **FTC Inspire Award** - Southwest Regional Championship
- **FTC Connect Award** - Southwest Regional Championship
- **3rd Place** - UIL State Competition
- **Outreach:** Fish Camp, Mini Maker Faire, Inventathon, Math and Science Academy Night, Middle School LEGO EV3 outreach, Course Selection Night, STEM Fest, FLL tournament at Satartia Middle School, LEGO Mindstorms, and Team #13822 RoboVikes mentorship

2018 - 2019

- **FTC Rover Ruckus Inspire Award** - Southwest League Championship
- **FTC Motivate Award** - Southwest League Championship
- **FRC District Event Finalist** - FIT District Channelview Event
- **FRC Rookie Inspiration Award (sponsored by National Instruments)** - FIT District Channelview Event
- **FRC Rookie All Star Award** - FIT District Pasadena Event
- **FRC Safety Award (sponsored by Underwriters Laboratories)** - FIT District Pasadena Event
- **FRC District Championship Rookie All Star Award** - FIRST In Texas District Championship
- **Advanced to the FRC World Championships** in Houston, TX
- **Outreach:** Fish Camp, robot demonstrations at Dulles Middle School, mentoring local FTC team RoboSapiens, teaching at San Jacinto College for a FTC workshop, Course Selection Night, STEAM Fest, Mini Maker Faire, Girls Who Code

How Can You Help

Due to the nature of the FIRST Robotics programs, each team is responsible for their own materials and registration. Consequently, this means we must cover the cost of registration, building kits, general tools, supplies, and travel fees for the two FTC teams and one FRC team throughout the year.

Forms of Donations

Monetary Donations

Any donations are of course very much appreciated, and our team will list what items we plan to use the money for in our letter of gratitude. Please review our levels of sponsorship for benefits received for your generous donation.

Mentorship

Our team is split into sub-teams specializing in different areas. Each one seeks guidance from professionals to teach them about their personal experiences in the industry. We are looking for mentors in the following, but not limited to, the specified fields: Engineering, Programming, CAD, Web Design, Marketing, and Public Relations.

In-Kind Donations

If your company would feel more comfortable knowing what their donation is going towards, we would gladly accept in-kind donations. There are many large items that our team desires for this coming year. A few include CNC machines, building materials such as aluminum and plastics such as polycarbonate or plexiglass, printing services, food, or a workspace with workshop tools for us to build.

Donations Go Towards:

- Materials for robots
- Tools and equipment
- Admission/registration for competitions
- Travel expenses

Team Budget

Expenditure:	Cost
Registration Dues	\$ 15,000.00
<ul style="list-style-type: none">• National registration for 2 FTC teams• Local Registration for 1 FRC team• FRC National and Local Dues	
Build Materials	\$ 6,500.00
<ul style="list-style-type: none">• Custom metal parts• Prototype materials• Kit-of-Parts Chassis• FTC robot parts	
Electronics	\$ 2,500.00
Field Elements	\$ 3,000.00
Tools	\$ 2,400.00
Pit Materials	\$ 1,600.00
Cargo Trailer	\$ 1,500.00
Travel	\$ 22,000.00
Total:	\$ 54,500.00

Sponsorship Levels

Diamond
\$15,000+

- **Platinum benefits**
- Prominent logo
- Robot Demo at facility
- Robotics Camp

Platinum
\$10,000+

- **Gold benefits**
- Logo on robot
- Logo on banner
- Plaque

Gold
\$5,000+

- **Silver benefits**
- Gift Basket

Silver
\$3,000+

- **Bronze benefits**
- Logo on team shirts
- "Proud Sponsor" poster

Bronze
\$1,000+

- Thank You card
- Mention on team website
- Signed team photo

Contact Information

Dulles Robotics email: dullesrobotics@gmail.com

Website: dullesrobotics.com

Facebook: Dulles_Robotics

Instagram: @Dulles_Robotics

Twitter: @dulles_robotics

YouTube Channel: Dulles Robotics

Main Contacts:

Name: Brian Sonnier

Title: Club Mentor

Email: brian.sonnier@fortbendisd.com

Team Meeting Times (may vary based on schedule):

Tuesdays.....	2:45PM – 8:00PM
Thursdays.....	2:45PM – 8:00PM
Fridays.....	2:45PM – 8:00PM
Saturdays.....	9:00AM – 6:00PM

Sponsorship Information:

Please make checks payable to **Dulles Robotics**.

Your **student contact** can then deliver it or feel free to email our sponsor, **Brian Sonnier**.