

FRC Team 1727 REX

2023 - 2024 Sponsorship Packet

Dulaney High School
Timonium, MD



@rex1727_

team1727.org

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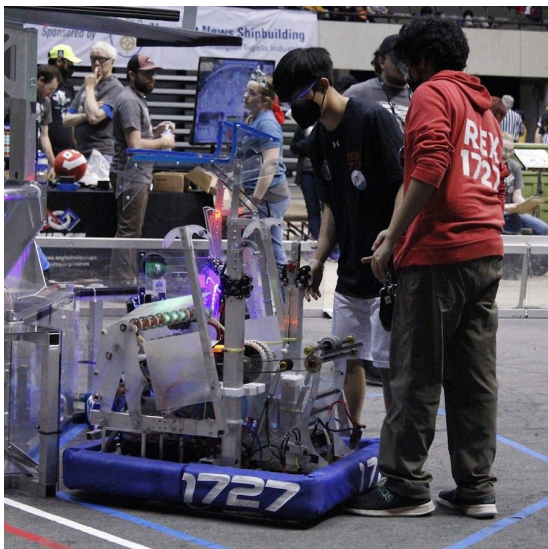
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About Our Program

Who Are We?

Team 1727 REX is a student-led FIRST robotics team comprised of 37 students from Dulaney High School in Timonium, Maryland. As the only public school-based FIRST Robotics Team in Baltimore County Public Schools (BCPS), our mission is to make robotics more accessible for all students.



Our students compete in the FIRST Robotics Competition (FRC) with robots that they design, build, and program themselves along with guidance from mentors with professional engineering experience.

Through FIRST, Dulaney High School students get quality hands-on STEM experience reflecting real-world working environments as they work together in teams, developing teamwork, leadership, project management, and problem-solving skills.

FRC encompasses not only STEM-related fields, but also the field of communication, media, and business, making Team 1727 REX multifaceted and enriching.



About FIRST

The FIRST Robotics Competition (FRC) provides students worldwide with the opportunity to design, build, and program their own industrial-sized, 125-pound robots to compete in a unique challenge each year starting in January. Teams compete in district events to qualify for the District Championships and then the World Championships.



OVER 92%
of students
reported gains in
workforce skills like
conflict resolution

68%
of all female FIRST
alumni are in STEM
fields

FIRST alumni are
2.6x
more likely to enroll
in an engineering
course



“ From Benjamin Franklin to Thomas Jefferson, to [FRC's] founder, Dean Kaman, America has always been a nation of builders and inventors and makers. By taking part in this competition, you're also taking your place in this incredible tradition. One that brings jobs and industries to America and improves lives around the world.

- Former President Obama

Accomplishment

Ever since our club was resurrected in 2017 after being disbanded in 2011, we:

- ❖ Competed in World Championships (2023)
- ❖ Competed in Chesapeake District Championships (2018, 2019, 2022, 2023)
- ❖ Won District awards
 - 2023:
 - Event Winner
 - 3x Event Finalist
 - 2x Engineering Inspiration Award
 - Industrial Design Award
 - 2022:
 - 2x Event Winner
 - Autonomous, Engineering Innovation Awards
 - Quality Award
 - 2019:
 - Event Winner
 - 2x Event Finalist
 - Quality and Industrial Design Awards
 - 2018:
 - Event Winner
 - Creativity Award



Outreach

- ❖ A majority of our members also participate in VEX Robotics, an international organization that allows students to design, build, test, and program robots to gain experience in STEM.
- ❖ Ever since 2019, Dulaney High School has hosted one of the largest regional VEX competitions consisting of over 40 teams from all over Maryland, providing each of those local teams the opportunity to test their robots as part of the engineering design process.
- ❖ Many of our club members also mentor the Cromwell Elementary School VEX team, providing 4th and 5th graders opportunities to learn about the foundations of engineering design as well as workplace skills such as leadership, teamwork, and problem-solving.



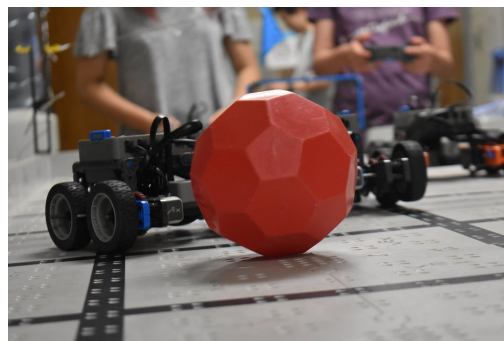
- ❖ In the 2021 and 2022 FRC offseason, we hosted the Battle o' Baltimore (BoB) competition at Dulaney High School, where 35+ teams from the Chesapeake region competed in the FRC games, Rapid React ('22) Infinite Recharge ('21).
- ❖ BoB provided the opportunity for these teams to provide their new members with experience in preparation for the upcoming season as well as insights into the engineering processes that went into designing their robots.
- ❖ Hosting this event also provided students at our school the opportunity to volunteer and see FRC events in action.

Outreach

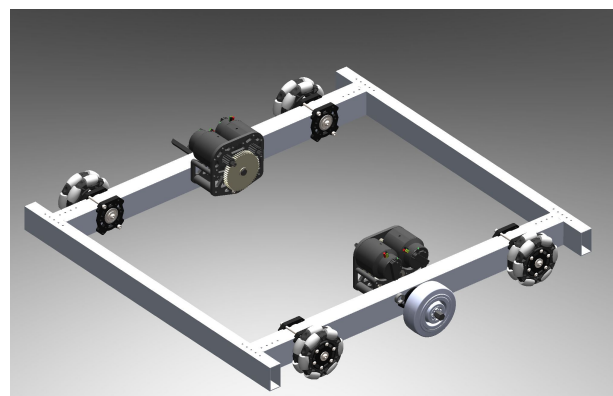
- ❖ We actively recruit members from Ridgely Middle School's VEX Robotics teams to introduce them to FIRST robotics at their school as well as mentor their robotics teams.
- ❖ Through our introduction and mentorship for new members, we expand our outreach of hands-on STEM experience for local students.



- ❖ Many of our members also volunteer at the Lutherville Timonium Recreation Council (LTRC) Robotics Summer Camp.



- ❖ We have plans to build a t-shirt cannon robot in the offseason that can be taken to events to raise awareness for our club as well as give our members experience with STEM at FIRST.





Sponsorship Details

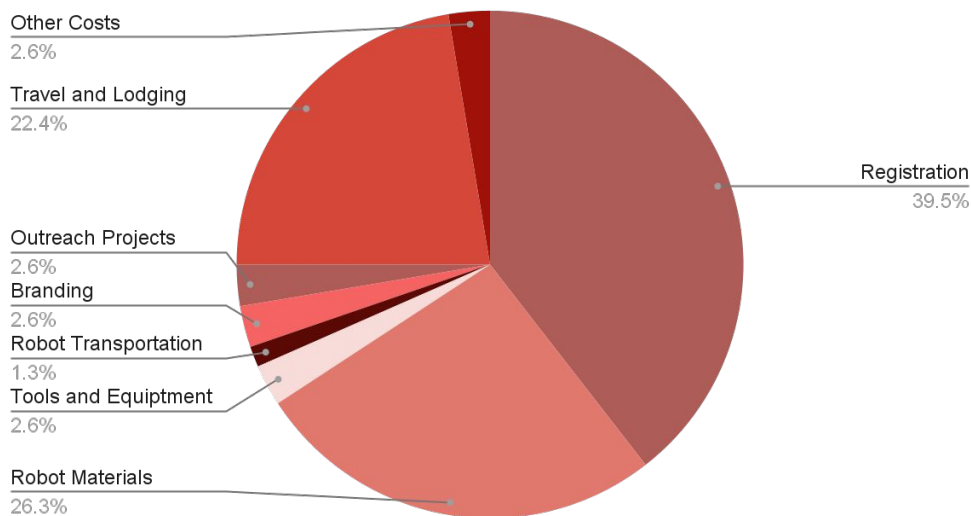
Why Invest?

To continue what we do, inspiring the next generation of engineers, businesspeople, inventors, and problem-solvers, and to participate in FIRST, we need help from sponsors for both in-kind and cash donations. With your support, we will help raise awareness and further the spread of crucial STEM education needed for a digitalizing world. Team 1727 strives to increase its impact on a national scale, and your donation brings us one step closer to achieving this goal.

Furthermore, having your company's name and logo on our media and team materials will provide positive public relations for your company as we interact with thousands, of future engineers in the local community.

Budget Breakdown	
Registration/Competition Fees	\$15,000
Robot Materials	\$10,000
Tools and Equipment	\$1,000
Robot Transportation	\$500
Branding	\$1,000
Outreach Projects	\$1,000
Team Travel and Lodging	\$8,500
Other Costs	\$1,000
	\$38,000

2023 Budget Breakdown



Sponsorship Tiers

We are extremely thankful for our sponsors, so we would like to show our appreciation. Our sponsorship tiers are cumulative, so all the benefits listed in that level and below apply.



Gold (\$2000+ in money, goods, or services)

- ❖ Logo displayed most prominently on robot and all promotional media, including a large competition pit banner
- ❖ Recognition in team introduction announcements at competitions
- ❖ All Bronze and Silver benefits



Silver (\$1,000+ in money, goods, or services)

- ❖ Link to company page on team website
- ❖ Logo on robot
- ❖ All Bronze benefits



Bronze (up to \$999 in money, goods, or services)

- ❖ Logo on team website
- ❖ Logo on t-shirts
- ❖ Letter of gratitude



Contact Us

Please feel free to contact us if you have any questions or concerns:

Email: contact@team1727.org

Phone: 443-900-8531

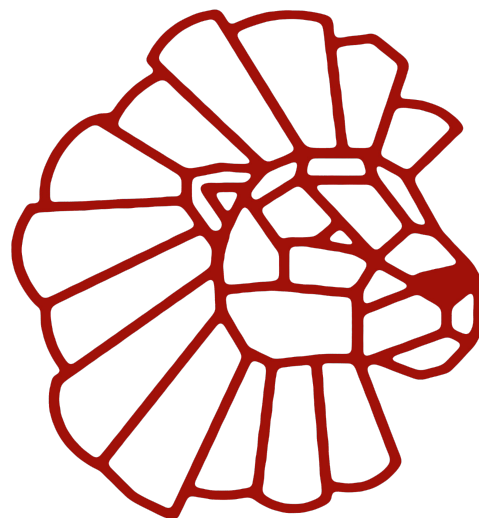
Website: www.team1727.org

Dulaney High School

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Lutherville-Timonium, MD 21093

USA



Follow us on our social media!



@rex1727_

Thank you for your support!

IRC section 170©

Since Dulaney High School is a part of Baltimore County Public Schools (BCPS) and since BCPS is considered a municipality, part of the local government and, as such, is exempt from federal taxation, the Internal Revenue Code (IRC) section 501© does not apply to BCPS.

Those involved in donations and grants to BCPS should cite IRC section 170©, which allows a charitable contribution deduction to those individuals, corporations, and/or organizations awarding grants and/or donations to local governments.

Our Federal Tax ID number is 52-6200886.

Our NCES ID is 240012000373.

We accept both checks payable to Dulaney High School with "FIRST Robotics" on the memo and in-kind donations.