



<https://www.facebook.com/Thunderstorm-Robotics-607091026028462/>
www.team1750.org

2023 Sponsorship Packet:

Team History

Team 1750 Thunderstorm Robotics was founded in 2006 by Ron Markum. He was asked by his department Head at Oklahoma State University Dr. Carl Reed to assist in some complex engineering mathematics for a high school robotics team who were being sponsored by his employer Oklahoma State University. While helping this team from Ponca City Oklahoma Team 476, the Wildcats, Ron discovered FIRST Robotics and its mission "to inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programs that build science, engineering and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership." His experience helping as a mentor lead him to start a team in his own community, Stillwater, OK, the following year. Thunderstorm Robotics has been a part of the Stillwater community for 16 years and continues to build well rounded future leaders through the fun and excitement of learning and discovery through STEM education and challenges.

Over the years Thunderstorm Robotics has competed in many different STEM based challenges including the FIRST Robotics Competition (FRC), First Lego League (FLL), BEST Robotics, VEX Robotics competition. It has helped many students learn and grow to take their experiences and apply them to many career fields in everything from Mechanical engineering to Graphic Design and everything in between.



What is FIRST ROBOTICS? <https://www.firstinspires.org/>

FIRST (For Inspiration and Recognition of Science and Technology) was founded by inventor and entrepreneur Dean Kamen in 1989 to inspire young people's interest and participation in science and technology. Based in Manchester, NH *FIRST* designs accessible and innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math (STEM) while building self-confidence, knowledge, and life skills.

FIRST Robotics Competition (FRC) combines the excitement of sport with the rigors of science and technology. Under strict rules, limited resources, and time limits, teams students are challenged to raise funds, design a team "brand," hone teamwork skills, and build and program robots to perform prescribed tasks against a field of competitors. It's as close to "real-world engineering" as a student can get. Volunteer professional mentors lend their time and talents to guide each team.

Each January, that season's challenge is released to over 3,500 FRC teams world-wide. The teams have six weeks to design, build and test a robot that they will then use to compete with and against other teams in a variety of events.

2023 FRC Season info:

In the [CHARGED UP](#)SM presented by Haas challenge, *FIRST* Robotics Competition teams will unlock the power of engineering to transform renewable energy and power a better future.



Impact

Participating in a *FIRST* program, students have the opportunity to be involved in a challenging team activity. They build relationships, learn new skills, and gain a deeper understanding of and an increased interest in STEM.

By working with their fellow team members and mentors, students are exposed to real-life challenges in science and technology. They are encouraged to work through problems, brainstorm solutions with their team, and implement those solutions in a gracious and professional manner.

Participating in the FRC program gives students valuable training in technical, computing, design, engineering and business skills. These students will play a major role in the future workforce in our area as engaged and hardworking individuals with practical experience in solving real-world engineering and business problems in a team setting.

Students also participate in a variety of activities that benefit the local community throughout the year.

The objectives for Team 1750 this season are:

- Host the 2023 Season Kickoff of over 40 teams across Oklahoma for the 15th year.
- Compete in 2 regional events for the *FIRST* Robotics Competition (OKC and Tulsa)
- Qualify and compete in the *FIRST* Championship event in Houston TX.
- Mentor one FLL team
- Compete in 2 off-season events (Tulsa Maker Fair- Dallas FRC scrimmage)
- Participate in a minimum of five community service activities
- Extend our outreach and recruiting efforts through participating in events with the Stillwater Public Library, and various community events and parades In Stillwater and neighboring communities.



1:2022 Team

Partnering with Team 1750 opens up opportunities for sponsors in workforce development, employee engagement, and recognition in a variety of media. Employees can also engage with the team as mentors and volunteers.

Your partnership with Team 1750 will help to develop STEM leaders of tomorrow. With your support to our team, you will also give us the opportunity to promote your business in a variety of media, to an audience of 90,000+ future leaders in the science and engineering field.

2023 Team Budget

Below is a list of costs estimate to complete this year's organizational goals.

Item:	Price	Description
entry fee and 1st regional	\$ 6,000	includes kit of event sponsored parts
robot electronic components	\$ 2,500	speed controllers, radios, FRC IO module
robot drivetrain components	\$ 2,000	gear boxes, drive belting and pulleys, etc..
robot materials metal/wood/polycarbonate	\$ 2,000	raw materials for machining
tooling/shop safety equipment	\$ 2,000	drill bits, cutting bits, cutting fluid, PPE
banners/shirts and promotional items	\$ 1,500	t-shirts, banners, decals, flyers
misc.(trailer tires, snacks, paper supplies)	\$ 1,000	
2 new laptops	\$ 1,000	replacement for drive station/programming computers
2nd regional registration	\$ 3,000	entry fee for additional regional
FIRST Championship registration	\$ 3,000	entry fee for world championship if applicable
Total	\$ 25,000	

Ways to sponsor:

Below are three ways in which your organization can partner with Thunderstorm Robotics Team 1750 to help us reach our goals this competition season. As outlined in our budget spreadsheet monetary donations are an important asset when competing in a competition of this caliber however as we have outlined below there are other forms of sponsorship equally important to accomplishing our goals. Those who can help in non-monetary ways will still be awarded the marketing rewards that have been outlined in the monetary donations spreadsheet at a level equivalent to their donations.

1. Donation of material, tools, and machine time:

→ Tools	→ Electrical connectors
→ Aluminum	→ Anodizing
→ Batteries	→ Nuts, screws, rivets
→ Apparel	→ Gift Cards
→ Wire	→ Wood
→ Signage	→ Plastic

2. Providing industry Mentors to lend their expertise to students in both designing and building the robot as well as the operations of the team:

→ Mechanical Engineers	→ Marketing Specialists
→ Electrical Engineers	→ Database Administration
→ Software Programmers	→ Social Media Experts
→ Business Administrators	→ Website Design

3. Monetary Donations: Below is a list of sponsorship levels and the marketing items you will receive in return. Marketing exposure is not limited to what is listed below and will likely exceed the below list as opportunities become available throughout the season.

Marketing Items	Platinum \$10,000+	Gold \$5,000+	Silver \$1000+	Bronze \$500+	In Kind \$50+
Name on website	x	x	x	x	x
Name on team banner	x	x	x	x	
Name on t-shirt	x	x	x	x	
Logo on website	x	x	x		
Logo on team banner	x	x	x		
Logo on trailer	x	x	x		
Logo on t-shirt	x	x	x		
Logo or name on robot	x	x	x		
Name announced at each competition	x	x	x		
Logo on trailer	x	x	x		
Pit Pass/ meet and greet at all events	x	x	x		
Distribute promotional items at event (sponsor provided)	x	x			
Robot demonstration and photo opp.	x	x	x	x	
Guided tour of regional events	x	x			
Donor plaque	x	x			
Company name included in all press releases	x	x	x		
Company color scheme incorporated into robot color	x	x			
Company logo/theme incorporated into team logo/theme	x				
Student research/design project	x				

*Please note that the size and location of each sponsor's logo or name will be based off of their donation amount. Team 1750 accounts for in-kind contributions of items to the team as well as funding and mentors to determine sponsorship levels.

Contact Info:

Thank you for taking time to review our information.

If your organization would like to partner with FIRST Team 1750 Thunderstorm Robotics, please contact:

Jonathan Powers

Lead Mentor

Phone: (405) 713-3606

Email: Powerjd@okstate.edu