

***FIRST***<sup>®</sup>

**Robotics**

**Team 238**

**Sponsorship Packet**



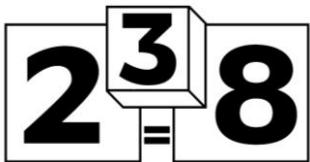
***FIRST* Robotics Team 238**

Team 238 are the Crusaders from Manchester Memorial High School (MMHS). The team was founded in 1992 by MMHS' physics teacher and were one of the original teams that participated in the first competition, held in the MMHS gymnasium.

In the past season, our team consisted of 26 hardworking students and 13 dedicated mentors. Team 238's mentors are engineers and business professionals from local companies. Everyone works together to meet the challenge each year, with each member bringing skills, aptitudes, and abilities that make us a team.

Last season, the Crusaders participated in two local District events which earned us a spot at the New England District Championship. We then went on to compete at the *FIRST* Championship in St. Louis, MO. In addition to those official competitions Team 238 also attends numerous exhibition events throughout New England. Below is a list of recent highlights from official events that Team 238 attended.

- 2017 *FIRST* Championship Daly Division Quarterfinalists
- 2017 New England District Championship
- 2017 Southern NH Event - Event Winner and Imagery Award Winner
- 2017 Granite State Event - Imagery Award Winner
- 2016 New England District Championship - Finalist
- 2016 Boston Event - Finalist and Quality Award Winner
- 2016 UNC Asheville Event - Event Winner
- 2016 Granite State Event - Finalist, Number 1 Seed and Excellence in Engineering Award Winner
- 2015 Granite State Event - Entrepreneurship Award Winner
- 2014 Hartford District Event - Innovation in Control Award Winner



# ***FIRST* Robotics Competition**

*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 almost 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.

# 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 this season are:

- Compete in at least three district events for the *FIRST* Robotics Competition
- Qualify and compete in the District Championship
- Qualify and compete in the *FIRST* Championship event in Detroit
- Compete in at least four off-season events
- Participate in a minimum of five community service activities

Partnering with Team 238 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 238 will help to develop STEM and business 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 in the thousands.

Areas in which your company can partner with Team 238:

→ Funding: to help us cover registration fees, travel, marketing and building components for the robot.

→ Product, Materials, and Machining Time for example:

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

→ Mentors to lend their expertise to students in both designing and building the robot as well as the operations of the team:

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

<b>Sponsorship Opportunities</b>	<b>Crusader \$5,000+</b>	<b>Crown \$4,999- \$1,000</b>	<b>Gold \$999- \$50</b>
<b>Letter and Photo of appreciation</b>	X	X	X
<b>Logo or name on website*</b>	X	X	X
<b>Logo or name on competition shirt*</b>	X	X	X
<b>Logo or name on competition banner*</b>	X	X	
<b>Logo or name on robot*</b>	X	X	
<b>Logo or name on select print materials*</b>	X	X	
<b>Robot presentation</b>	X	X	
<b>Name announced at each competition</b>	X		
<b>Distribution of sponsor-provided material at events</b>	X		
<b>Awards presentation</b>	X		
<b>Ability to brand Team apparel of their choice**</b>	X		

\*Please note that the size and location of each sponsor's logo or name will be based off of their donation amount. Team 238 accounts for in-kind contributions of items to the team as well as funding and mentors to determine sponsorship levels.

\*\*Paid for by the sponsor.

# Team Budget

<b>Item</b>	<b>Amount</b>	<b>Description</b>
<b>Robot</b>	\$11,000	Robot parts and bumper material for 2 robots
<b>Field Build</b>	\$1,000	Field build parts and game pieces
<b>Registration for District Events</b>	\$6,000	Registration for three District Events
<b>Registration for District Championship</b>	\$4,000	Registration for New England District Championship
<b>Registration for Championship Event</b>	\$5,000	Registration for World Championship Event
<b>Travel and Expenses</b>	\$35,000	Team and robot transportation to FRC Events
<b>Off-Season Events</b>	\$2,000	Four offseason FRC events
<b>Marketing</b>	\$3,000	Team t-shirts, buttons, banners, website, community outreach and other materials
<b>Other Projects &amp; Tools</b>	\$3,000	Summer project, hardware, software updates, shop tools and supplies
<b>Total</b>	<b>\$70,000</b>	

# Contact

Thank you for taking the time to review our information.

If your organization would like to partner with Manchester Memorial *FIRST* Robotics Team 238, please contact:

FRC School Advisor: Brian Foote

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Address:

Manchester Memorial *FIRST* Robotics Team 238

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