

East Grand Rapids Robotics #5980

Sponsor Packet 2016–2017



*Building the future, one season at a
time!*

The *FIRST*® Robotics Competition
Program of East Grand Rapids High
School



What is FIRST Robotics?

Overview of FIRST Robotics

FIRST stands for “For the Inspiration and Recognition of Science and Technology”. FIRST is an organization that inspires kids of all backgrounds to enter a science, technology, engineering, or mathematics (STEM) field and explore their passions. Teams work together to create robots that complete objectives and compete with other robots from all over the world.

FIRST hosts many different STEM related programs for all age groups. FIRST hosts the Lego League, Tech Challenge, and Robotics Competition for elementary, middle school, and high school students, respectively. Our team is a part of the FIRST Robotics Competition (FRC) for high school students. In FRC, students work together over a six week build season to design, prototype, build, and program a robot for the current year’s game. These tasks vary greatly from year to year, with parts of the tasks including stacking objects, shooting frisbees, and climbing walls. These competitions inspire students to pursue jobs in STEM and business fields. Studies have found that students who participate are twice as likely to major in science or engineering degrees, and also improve on time management, conflict resolution, and communication skills.

About Our Program

East Grand Rapids High School

Our high school was founded in 1917, and has more national merit scholars than any other school of its size in the state of Michigan. It has been recognized as a school of excellence and is a leader in the state in Michigan Educational Assessment Program (MEAP) scores. The motto of our school is "A Tradition of Excellence." The student body totals a little less than 1,000 students.

EGR Team Number 5980

The Robotics team at East Grand Rapids just finished its rookie season in 2016. In our season we learned a lot about team work, mechanical and electrical engineering, and programming in the Java programming language. The team used PTC Creo and Autodesk Inventor as design tools. We worked with limited resources, and only had a small team of 13 students. We are now working to recruit more students into this excellent program. The number of female participants in our program has increased from being 20% of our team to more than half. We have also volunteered at many organizations, including Habitat for Humanity and the Blandford Nature Center.



Competition Success

Our team was hugely successful during our first season. We were runner-up at our first competition, and semi-finalist at our second. We received many awards at these tournaments. At the State Competition, we finished fifth out of over 400 teams in the state of Michigan. This performance qualified us for the World Championship in St. Louis.

Awards

Regionals:

Excellence in Engineering Award

Rookie All-Star Award

Super Scaler Award (from a fellow team)

States:

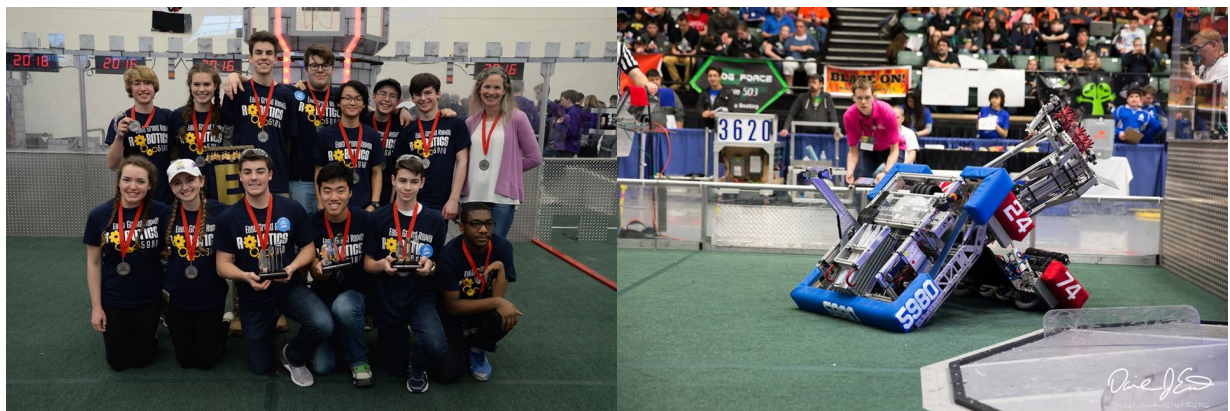
Excellence in Engineering Award

Team Unity Award (from a fellow team)

Outstanding Rookie Award (from a fellow team)

Worlds:

Rookie Inspiration Award



Sponsorship

We Need Your Help

Our program needs funds to be able to compete this season. Our team is almost completely self-funded; our school foundation does not completely fund our team. This is why we need your help. Our total fundraising goal for the season is \$30,000. We would greatly appreciate any donation you can make; every bit helps. These funds will go towards parts for our robot, tools needed, and the cost of registration in events. The costs for registering in our robotics tournaments is \$6,000 for two district events, \$4,000 for the State competition, and \$5,000 for the World Championship.

Help can also be given in the form of equipment and mentors. We are always in need of new tools and machines, and always could use valuable knowledge and experience from people working in the industry.

Benefits of Sponsorship

- Provides a source for internships
- Creates positive brand recognition
- Shows community involvement
- Creates passion in students to work in STEM and business fields
- Stimulates student learning in STEM and business fields
- Provides real world application of STEM curriculum
- Allows students to learn valuable life skills such as working in a team, communication, leadership, time-management, and conflict resolution

Sponsorship Levels

Atomic Level (\$5000 or above)

- Name/logo in prime placement on website
- Name/logo in prime placement on robot
- Name/logo on team jersey
- Name/logo on team banner
- Frequent updates on progress (if requested)

Volt Level (\$2500 to \$4999)

- Name/logo in prime placement on website
- Name/logo on robot
- Name/logo on team jersey
- Frequent updates on progress (if requested)

Spark Level (\$1000 to \$2499)

- Name/logo on website
- Name/logo on team jersey
- Monthly updates on progress (if requested)

Ion Level (\$50 to \$999)

- Name/logo on website
- Monthly updates on progress (if requested)



Contact Us

If you are interested in sponsoring, please contact us at one of the following:

Email:
contact@egrrobotics.org

Phone:
(616) 633-0305

Website:
www.egrrobotics.org

Elizabeth Neubig (Organizer)

Phone: (616) 648-1145

Email: eneubig@aol.com

East Grand Rapids High School:

2211 Lake Drive SE, Grand Rapids, MI 49503

Start of Build Season: January 7, 2017

Start of Competition Season: February 22, 2017





We appreciate your support!