



Munster Horsepower Robotics FRC Team #3147



Thank you for your interest in Munster Horsepower Robotics! We appreciate the time you have taken to learn more about our program.

The Munster Horsepower Robotics Team encourages the development of students' interests in the areas of Science, Technology, Engineering, and Math. We prepare and inspire young minds to work and thrive in our increasingly technological world and global community. The team participates in a competition held by FIRST (For Inspiration and Recognition of Science and Technology), a program developed in 1989 to inspire more interest in the fields of science and technology. In this competition, our team designs, programs, and builds a robot that performs an annually assigned task – all in the span of six weeks. This year, our team, FRC #3147, will compete in two Indiana FIRST regional events in March and April.

The process of designing and building the robot is not an easy one. It has its expenses and must be completed within six weeks! The journey from the kit of parts and the first prototype, to the completed robot is an exercise in collaboration and teamwork. Participating in the competition is tiring and stressful; yet its value and benefits reach so far beyond robotics and the competition. Through the program, students gain a priceless opportunity to experiment and explore their technological capabilities and gain exposure to several aspects of engineering application including design, programming, mechanical construction, business management, collaborative report writing, and public speaking.

Our organization relies on support from the community on several different levels. First, the most effective way to support the Munster Horsepower Robotics Team is to sponsor us financially. By contributing monetary support, the team will be able to purchase necessary materials and tools to construct the robot; in return, we offer several benefits, including advertising space on the robot itself (see sponsor page in this packet).

Second, the team needs mentors with training and experience, especially in the areas of electrical or mechanical design and engineering, programming, software development, business leadership, project management, and public relations including fundraising.

Third, sustaining in-kind support through product donations and discounts allow us to stretch our financial resources even farther. Our goal is that in-kind support will begin a relationship that will be mutually beneficial.

Any support offered will help enrich the experiences we offer our students. Our latest endeavor is to expand the teams impact by launching the FIRST Lego League team 746 WATTS at Wilbur Wright Middle School (FLL #30255). We hope to expand our program into the elementary levels with further Lego and Lego Junior teams over the next few years.

Thank you for your time and interest in the Munster Horsepower Robotics Team. Please do not hesitate to contact us. We look forward to hearing from you!

Mr. Knight
Coach/Teacher

Peter Frystak
Coach/Mentor

Serena Alvarez
2018-19 President



Website: Robotic.Munster.us
munsterhorsepower@gmail.com



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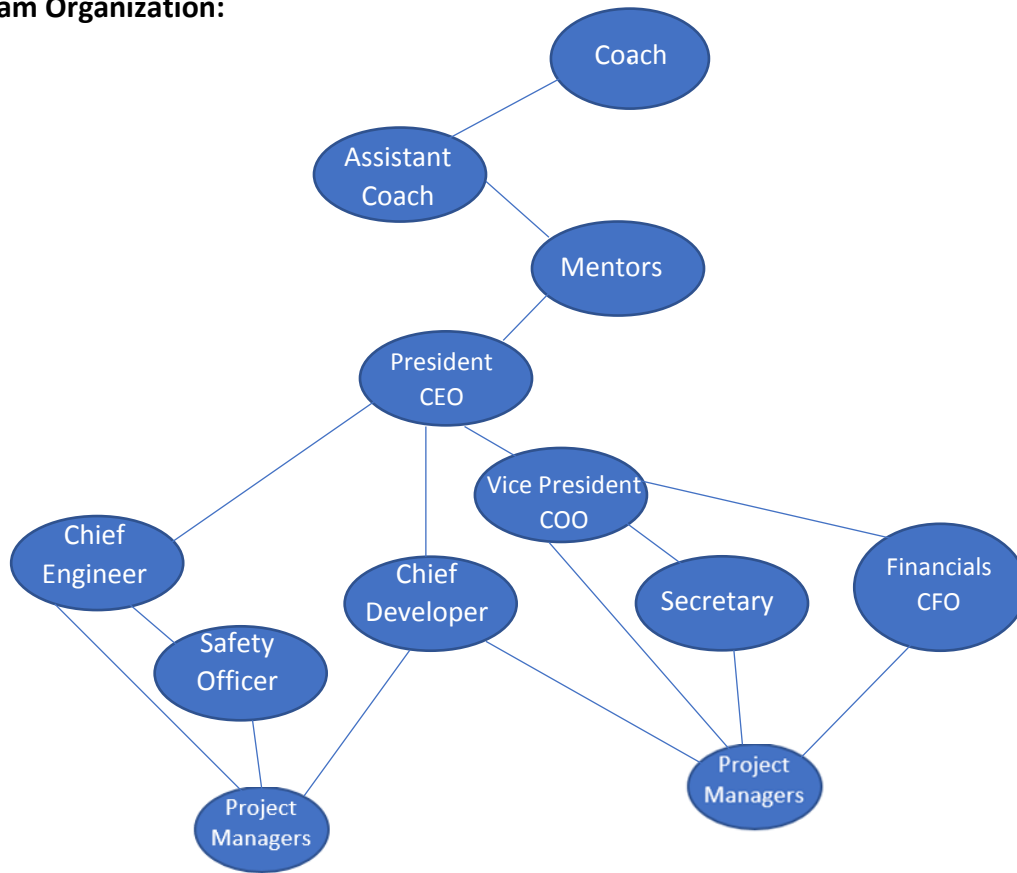
FIRST team 3147 was founded in 2010 by Larry Hautzinger and Catherine Mazeikas in conjunction with Munster High School in Munster, Indiana. The Munster Horsepower robotics team is named after the school's mascot, the Munster Mustang. Munster Horsepower is part of a larger organization called FIRST Robotics (For Inspiration and Recognition of Science and Technology). The mission of FIRST is to inspire young people to be leaders in science and technology by engaging them in mentor-based programs that build science, engineering, and technology skills, while also building self-esteem, life skills, and community awareness.

Today, the team consists of around twenty students and eight mentors. Members are students of Munster High School. Mentors include engineers from United Airlines, Munster faculty, alumni, and other volunteers.

What Students Do:

- Apply engineering principles to the design, building, and operation of robots
- Learn and use CAD, engineering software, 3D modelers, and programming languages
- Hands-on experience with multi-disciplinary collaborative problem solving
- Volunteer in their community
- Network with industry and engineering firms and companies

Team Organization:



Website: Robotic.Munster.us
munsterhorsepower@gmail.com



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Team Impact:

- Alumni in STEM fields
- Startup with Wilbur Wright Middle School Lego League
- Elementary School workshops
- Participation in community and school events, including: National Night Out Against Crime, Best Buddies Bowl, Indiana Best Buddies Walk, Munster Mystery Night, collaboration with Munster Theater Company, and collaboration with the Hammond Optimist Club.

Summarized Annual Budget: (proposed for 2017-18 season)

ITEM (Used in One Season)	COST
Registration of Team	\$5,000.00
Event Lodging	\$2,000.00
Annual Parts Purchase	\$2,000.00
Shop Supplies	\$1,000.00
State Competition Cost	\$4,000.00
Additional District Event Cost	\$500.00



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Sponsor Levels

Platinum (\$2,500+):



- Name or company name will be sent into FIRST to be listed as a **major sponsor**. In addition, you will be announced at all competitions and again during alliance selections
- Name or Company Name on our **team season t-shirt** that will be used for promotional events, raffles, etc.
- Name or company **logo on the robot- (approx. 5"x5" decal unless provided)**
- Name & Logo company's name on our **website with links** to your main site
- Name or company's name and logo on monthly **newsletters**
- Featured in our pit via **slideshow** as well as other event videos
- Gift package of thanks, sent showing our gratitude and sincere appreciation
(Includes Two Team Shirts, 3D Printed Gift, team accomplishment DVD, framed team photo, and a Signed Thank You Letter from the Team.)

Gold (\$1,000+):



- Name or company **logo on the robot - (approx. 3"x3" decal unless provided)**
- Company Name on our **team season t-shirt** that will be used for promotional events, raffles, etc
- Name & Logo company's name on our **website with links** to your main site
- Name or company's name and logo on monthly **newsletters** sent out
- Featured in our pit via **slideshow**
- Gift package of thanks, sent with our gratitude and sincere appreciation
(Includes Two Team Shirts, 3D Printed Gift, team accomplishment DVD, framed team photo, and a Signed Thank You Letter from the Team.)

Silver (\$500-\$999):



- Name or company's name & logo on our **website** with links to your main site
- Name or company's name & logo on monthly **newsletters** sent out
- Displayed in our pit via slideshow on our **slideshow**
- Gift package of thanks, sent with our gratitude and sincere appreciation
(Includes One Team Shirt, Team accomplishment DVD, framed team photo, and a Signed Thank You Letter from the Team.)

Bronze (\$100-\$499):



- Name or company's name & logo on our **website** with links to your main site
- Name or company's name on any **newsletters** sent out
- Letter of thanks, sent with our gratitude and sincere appreciation
- Gift package of thanks, sent with our gratitude and sincere appreciation
(Includes One Team Shirt, Team accomplishment DVD, Framed Team Photo, and a Signed Thank You Letter from the Team.)

Friends (<\$100):



- Email list
- Letter of thanks, sent with our love and sincere appreciation



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Sponsor Form (optional)

If you have your own form or letter you wish to use,
we are glad to accept any contributions you are able to donate.

Please remit all donations and completed forms to:

**Munster High School
c/o Munster Robotics
8808 Columbia Ave.
Munster, IN 46321**

Name or company name: _____

Name or company name as you wish displayed _____

Email _____ Phone number (_____) _____

Address for thank you letter and future correspondence:

City _____ State _____ Zip _____

Please remit any electronic files to munsterhorsepower@gmail.com or prfrystak@munster.us



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munsterhorsepower@gmail.com