

# Munster Horsepower

Team 3147

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## THIS SEASON'S CHALLENGE:

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### Time to power up!

The game this year is to create and program a robot that can pick up boxes the size of a milk crate and drop it into the scale, switch, or exchange. Boxes are stack up on both sides of the field, and team's must create a grabber that can pick these up. Once a box has been picked up, teams can choose where to drop it. One option is the scale which is a simple, 2 sided scale that starts at 5 feet. In order play this part of the game, teams must create a device that can extend high enough to drop the crate onto it. The next option as to where to drop the box is onto the switch. The switch is another version of the scale. However, it is on the ground, thus resulting in teams not having to create an extendible advice in order to complete this task. The last option is the exchange. The exchange is a box hole on the wall of the field where robots can deposit the box to a human player, who can stack the boxes for certain power-ups, and if 3 boxes can be stacked in a certain category, the alliance can gain an advantage over the other.

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## OUR SEASON SO FAR

### Indiana District St. Joseph Event

On March 9th-11th, our team traveled to Penn High School in Mishawaka. At the end of the qualifying rounds, we ranked 17th out of 40 teams at our first district event where both Indiana and Michigan teams were present. Despite many hardships only found at the competition, we overcame these difficulties in our robot to climb to 17th place in this large event using aggressive teamwork, working both on and off the field. This event was seen as a great learning opportunity that will help further the team in experience and greatly prepare us for our next event, our chance to qualify for state. We brought 15 members to this event, of which 8 were new members, thus many of our members gained exposure to this organization, FIRST. At this event, we won the Team Spirit Award, meaning we exhibited positivity and a great attitude. When getting this award, we were recognized for our enthusiasm, humor, community involvement, spirit, and gracious professionalism.

## Our Officers

President: Zack Montes

Secretary: Serena Alvarez

Head of Engineering: George Babus

Head of Programming and Developing: Hamzah Rafiq

Safety Officer: Joe Roe

## OUR SPONSORS

We greatly value our sponsors seeing as they help us financially, and we value them as our inspiration as well. To recognize our immense gratitude, we would like to thank them by identifying them on the list below:

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Munster Education Foundation

Munster High School STEAM Team

National Council of Teachers of  
Mathematics

Potbelly's

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VanDrunen Ford

## GALLERY

### PHOTOS THIS MONTH



Pictured to the left is our robot at the last competition, the St. Joseph Event.

Below is our team at Penn High School holding our Team Spirit Award.



Contact Us

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This month's calendar:

-March 9-11: St. Joseph Competition in  
Mishawaka

-March 29-31: Tippecanoe Competition  
in West Lafayette