

# Superior Roboworks

Volume 1, Issue 1

January 2015

## 2014 Competition Season Recap

We went to two district events, Escanaba and Traverse City, both of which we did really well at. At the Traverse City finals, our alliance won our first match- with a broken chain that had fallen off our robot by the end of the match. We would have been defeated at this point if it had not been for the other alliance calling a time-out (after we had already used ours) to give our team a chance to fix the robot. Although team 857 still did not have enough time to fix the broken chain, we thought that the other alliance had shown us such a perfect representation of what FIRST is that they deserved the win. We made it to the states competition and did pretty decent, well enough to make it into the worlds competition in St Louis, MO. We ranked 50th out of the 100 teams in our division. It was certainly an honor and delightful experience to be able to attend the championship, as well as the best end to a season team 857 has seen yet.



## Donation Benefits

**Honorary Yeti**  
\$1 - \$49

- Your name listed on team website
- Receive a thank-you note at the end of the season

**Bronze Sponsor (Bronze Yeti)**  
\$50 - \$149

- All Honorary Yeti benefits
- Your corporate logo shown on team website
- Receive emails on team progress and activities

**Silver Sponsor (Silver Yeti)**  
\$150 - \$249

- All Bronze Sponsor benefits
- Your name or corporate logo on team t-shirts

**Gold Sponsor (Gold Yeti)**  
\$250 - \$999

- All Silver Sponsor benefits
- Your name or corporate logo on the robot

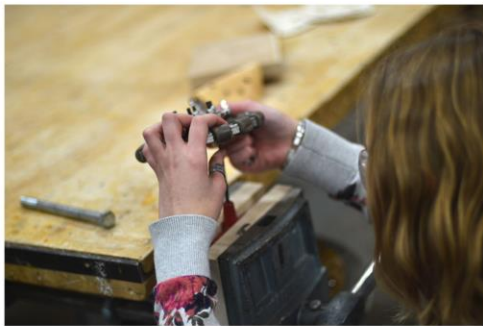
**Superior Sponsor (Super Yeti)**  
\$1000+

- All Gold Sponsor benefits
- Your name added to official team name, which is read aloud at competitions

## What's Happening in 2015?

### Build Team Report

So far we have built a chassis, electrical board, and have two traction wheels in the front with two omni wheels in the back for our drive chain. We are currently working on winches for the lift, and we plan to also have two extendable arms in the front with wheels on the end of each arm to be able to pull in totes from multiple angles.



### Media Team Report

The media's plans for this year beyond publishing newsletters starts with covering team 857's progress in all aspects of the team in as many forms as possible. This includes videos and pictures using DSLR cameras and our GoPro, as well as update our website and keep our community interested in our team and robotics in general via social media.



## Upcoming Events

**Wingding Demo:  
February 9th, Houghton  
High School Gym**

**Kentwood Competition:  
March 5-8**

**Escanaba Competition:  
March 26-28**

### CAD Report

The Drafting team has solidified our designers' ideas onto a CAD drawing with definite dimensions. This allowed us to start prototyping the components used to manipulate the game pieces. Without getting the definite dimensions using the CAD software it would have required much more trial and error to finalize our plans.

### Programming Report

The programming team has been at work setting up a website, from the ground up, and setting up a demo bot using different control systems. We can now wirelessly control the old robot with a single operator now!

