



THE NUTS AND BOLTS TECHHOUNDS NEWSLETTER

INDY RAGE COMPETITION

On October 2nd the TechHOUNDS traveled to Perry Meridian High School to compete in an all girls competition. The competition was in support of females further engaging in STEM communities. The event led two sessions: one to encourage STEM education for all girls that attended, and one for men on how to break stereotypes and welcome females. During the qualifying matches TechHOUNDS carried the first alliance to conquer the field, worth four ranking points. The TechHOUNDS challenged 16 other teams. Our female drive team Megan Singer, Linnea Schultz, and Laura Dobie placed fourth over all. After the alliance selection TechHOUNDS led the third seeded alliance. TechHOUNDS focused on conquering the defenses and managed to defeat all of them during the quarter final matches. After losing the second match the TechHOUNDS were eliminated from the competition.

UPCOMING EVENTS

JANUARY 7:
COMPETITION KICKOFF

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GET TO KNOW OUR TEAM



ROOKIE CORNER - BO SENDI

Why did you join?

I've had friends who were in TechHOUNDS in previous years.

What are your aspirations for the team?

I want to be a supportive member.

What have you liked about the team so far?

I like the people, they have been really nice.

How did you hear about TechHOUNDS?

I had a lot of friends already in TechHOUNDS.



MENTOR CORNER-ALEX RYKER

What do you do?

I work with leads, as well as the programming and electrical divisions.

Why did you become a mentor?

I joined TechHOUNDS as a student, and it put me ahead in college, so I wanted to give back.

How long have you been a Mentor?

This will be my 6th year as a mentor.

How did you hear about TechHOUNDS?

A friend asked me if I was going to the callout meeting and then I joined.

CAGE MATCH

The TechHOUNDS recently participated in the CAGE match on October 15th. The competition was tough but the TechHOUNDS, along with team 1747 and 1741, carried the weight and persevered coming in first place. We placed ninth in the qualifying matches. The team was led by a few fearless leaders: Megan Singer as operator, Caleb Smith as driver, Linnea Schultz as human player, and our coach Zachary Bonewit. We were also the first team chosen by 1747, the first ranked team. The last match kept people on the edge of their seats. The



MEGAN SINGER SETTING UP THE DRIVE TRAIN

teams had to win two out of the three games. The blue alliance (868, 1747, and 1741) won the first, lost the second and just barely won the third. The TechHOUNDS were more than satisfied with the results.



VICTOR MAI AND CALEB SMITH WORKING ON THE ROBOT

Megan Singer, operator, said, "CAGE match was really fun because we took last year's robot and played with human players." The team was also excited when they got picked by 1747, who was in first place.

Caleb Smith, driver, stated, "the last match was the most fun and we got to work with team 1747." Caleb also said, "I didn't realize how time consuming it would be to be driver." At the same time he and the whole team had a lot of fun. Despite the time commitment, CAGE Match was a huge success for the off season.



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DIVISION UPDATES

PROGRAMMING- We have a lot of people working on robot code and rewriting code for old robots. Some division members are working on vision processing code and the Microsoft Hololens project.

ELECTRICAL- We've been working on training our new members and having them practice on some of the old robots. We have also been working on a soldering outreach project where we work on heart rate monitors and send them to a company which delivers them to a third world country.



ROBOT OPS- We are trying to refurbish an old drive train and add parts to it, so that it can move. We are also making a football shooter which will be mounted on the drive train. This will teach new members prototyping skills.

INFORMATION TECHNOLOGIES - The new members have been learning HTML and Javascript, and are creating their own website that plays cards. The other members have been working to perfecting our team website.

CONSTRUCTION- We have been building the new "super pit," making the pit easier to transport. One group has been building a new battery box for the pit. Another group has been building a tool cart for the other divisions to use.

PUBLIC RELATIONS- We have been putting together a new t-shirt design, name tags, and the newsletter. The new members are learning to use Illustrator and Photoshop, so we can better complete these tasks.

