



THE NUTS AND BOLTS

TECHHOUNDS NEWSLETTER

OUR ROBOT "RATCHET"

Each year TechHOUNDS strive for success in anything and everything we attempt to do. This year we chose multiple challenges within the game to perfect on. After spending the kickoff weekend strategizing, TechHOUNDS decided to focus mainly on gears and climbing. After determining that the gears would allow our team to gain more points than balls, we decided to be a "gear" bot.

Instead of picking up gears and balls from the ground, TechHOUNDS decided our time and work would be better focused on getting the game pieces from the human player pickup station. The gear is loaded onto the robot from the human player station to be driven to our alliance airship, giving our alliance 40 points for a rotor on our airship turning. TechHOUNDS also decided to set ourselves apart with our 300° shooter, and our climber. After teams get the gears they will be trying to gain more points by shooting.

The climber gives each team 50 points, with an opportunity of 150 points if all three alliance teams climb. Our climber involves a rotating cylinder with spikes. The spikes allow the knots on the rope to get stuck on the cylinder so that when it rotates the robot is supported. The climber is the reason behind the name of our robot this year. As the climber turns to wind up the rope, it sounds like a ratchet.

UPCOMING EVENTS

**MARCH 24 & 25:
PERRY MERIDIAN
DISTRICT EVENT**

**APRIL 6 & 7:
DISTRICT CHAMPS**

CONTENTS:

OUR ROBOT	1
TIPPECANOE RESULTS	2
EVENT PHOTOS	2
SPONSORS	3

PHOTOS OF THE WEEK



TIPPECANOE DISTRICT RESULTS

On March 4th and 5th TechHOUNDS competed at the 2017 Tippecanoe District Event. This event hosted 38 teams on week one of competition season. TechHOUNDS driver Caleb Smith, operator Megan Singer, and coach Zachary Bonewit led the team with great strategy and focus. Saturday started off amazingly well with our first match being a win giving our team 2 ranking points: Our team scoring the highest out of all the other teams that putting us at rank one. The rest of the weekend slowed down giving us a win-lose-tie ratio of 4-6-1. By the end of the quarter final matches TechHOUNDS ranked 29th.

We were then chosen to be a part of the seventh seeded alliance with FRC teams 4103 and 1741. Our first match was against the 2nd seeded alliance. While odds were against us, we managed to beat the 2nd seeded alliance

two times in a row advancing to the next round. During the next round, TechHOUNDS, 4103, and 1741 played against the 3rd seeded alliance. After losing two very close matches we were out of the robot based competition. Although we did not win at Tippecanoe we will be



Andrew Gostomelsky, Skylar Cleeland, Ethan Moran, and Michael Zhang.



Chairman's Presentation Team: Priya Una, Nathan Robb, and Kate Hawkins.

competing again at the Perry Meridian District Event March 24th and 25th for another chance to advance our robot to the Indiana District Championship. Also while our robot has not yet qualified for district champs, our Chairman's Team has. After preparing a video, essay, and presentation, Tippecanoe judges chose TechHOUNDS to represent

the outreach principles of FIRST by presenting us with the District Chairman's Award, allowing us to compete at District Championship and hopefully again at World Championships this year for the most prestigious award FIRST offers.

To see more pictures and videos, visit our website or Youtube page.

SIGNATURE
\$6000+



**Carmel High
School**

DIAMOND
\$4000+



GOLD
\$1000+

Gyan Sys Inc.
MOBI
Bastian
SMC USA

Porter Realty
Jones Robb PLLC
Lentz Independent Consulting
Chairs of a Different Color

SILVER
\$500+

Dirk Bowman
Sheridan Road
Flexware Innovation Inc.
Duke Realty
Pyramid Technology Solutions

Busy Bee Headbands
Redali
McAlisters Deli
Cunningham Group
Forward Thinking

BRONZE
UP TO \$500

Stribling Media
Brandon Tiek
Cold Hard Art
Delta Faucets
McDonalds
AndyMark
Allegiant
DIVsys
Kiwanis
HWC Engineering
Edward Jones
Holscher Products

arcDesign
Cleo Legal
L&J Realtee LLC
Chairs of a Different Color
Center for Diagnostic Imaging
DWA Healthcare Communications Group
Hoosier Gasket Corporation
Integrated Investment Strategies, Inc.
Center for Diagnostic Imaging
Tony LaMear for US Congress, (IN 5th)
Williams Comfort Air
Fusion Technology Partners

The Great Frame Up
Campbell Investments
Performance Services

THANK YOU TO OUR SPONSORS