

THE NUTS AND BOLTS

TECHHOUNDS NEWSLETTER



INDIANAPOLIS CHILDREN'S MUSEUM ROBOTICS DAY

On April 1st, students Linnea Schultz, Caleb Smith, Peter Ferchmin-Rowe, Carolina Hernandez, and Laura Dobie accompanied mentors Alex Ryker and David Fronck to the Indianapolis Children's Museum. The Children's Museum was hosting a 'day of robotics,' and the TechHOUNDS demonstrated their 2016 robot Hammerhead and their 2012 robot Boomer. The Children's Museum hosted multiple FIRST robotics teams from Indiana. Unsurprisingly the TechHOUNDS interacted with a total of 1275 people at the event after letting the kids take over the controls. After kids got to shoot the boulders out of Hammerhead their faces lit up with amazement while the volunteers and parents cheered them on. The kids were also extremely interested in Boomer once Ryker said Boomer's job was to play basketball.

"Kids tend to identify with something more easily if it's presented in terms that are familiar to them. Basketball is a popular sport that many children play on a regular basis, so by introducing them to a robot that does something they enjoy, we make it more likely that they will take an interest in STEM from an early age," Ryker said. The event was beneficial to many people; the TechHOUNDS had multiple parents sign their kids up for FIRST programs furthering STEM education within our community.

UPCOMING EVENTS
WORLD CHAMPIONS
APRIL 24TH-28TH
ELECTIONS MAY 10TH & 11TH

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INDIANA DISTRICT CHAMPIONSHIP | TechHOUNDS competition in Huntington Indiana

On April 6th and 7th TechHOUNDS competed at Huntington North High School, competing with 32 teams from the Indiana District. The first day of qualification matches went extremely well, keeping TechHOUNDS ranked in the top ten the majority of the competition. By the time alliance selections were approaching, TechHOUNDS secured the captain position of the 4th seed alliance. Our student representative Carolina Hernandez invited FRC 1747 Harrison Boiler Robotics and FRC 1501 Team Thrust to join our alliance. Starting off in the quarterfinal matches on the red alliance, we played against the fifth seed alliance. Our alliance came up short with only two gears left, before we could receive a 100 point bonus for getting our fourth rotor spinning. This brought the final score to 222 red to 451 blue. The second quarterfinal match was very close for the majority of the match; with only one gear to go for the red alliance the 20 second buzzer went off signaling the robots to climb. However, without the final gear TechHOUNDS were not able to beat the blue alliance ending our 2017 competition season. Electrical Lead and Robot Operator Megan Singer commented on the competition season, "The competition season was a fantastic opportunity for us to show what we were capable of building, wiring, and programming for in the short six weeks we were given. Even though we didn't make it to worlds, we showed drastic improvement in our rankings and performance as the competition season flew by."



Caleb Smith and Abel Kiser.



John Wimmer, Caroline Ramsey, Linnea Schultz, Avery Cunningham, and Mr. Brian Cunningham.

OUTREACH STATISTICS

IMPACT

Interaction or engagement in STEM as a result of TechHOUNDS.

35,313
(Impacts)

REACH

Heard of, seen, or experienced by a member of society in the context of STEM.

182,666
(People)

IMPRESSION

The opportunity to make an impact.

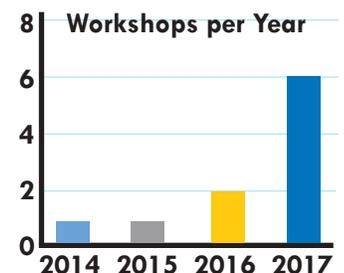
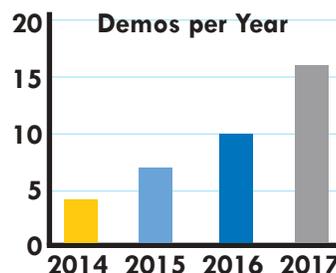
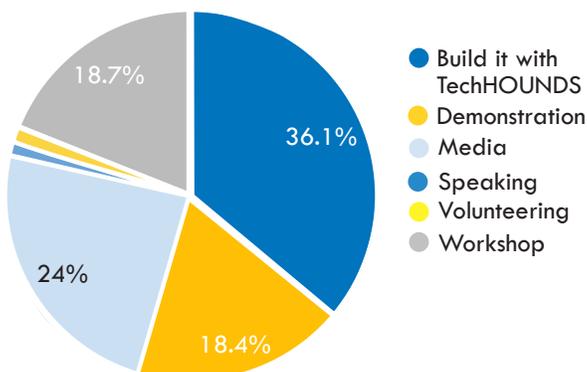
4,189,856
(Opportunities)



To learn more about our outreach continue to page 4, contact techhounds868@gmail.com, or visit our website at www.techhounds.com.

IMPACT COMPOSITION

Percentage of Impacts at each event.



SUMMER OUTREACH OPPORTUNITIES

CHAIRS OF A DIFFERENT COLOR



What: Independent study students make chairs, TechHOUNDS paint the chairs and we sell them to companies for \$500.

When: End of the school year into the summer.

What do you need: Creativity

How: Contact techhounds868@gmail.com for more information.

SUMMER WORKSHOPS



What: One day 4-hour workshop every other week in the summer. Full of standard demo activities and games.

When: To be determined

How: If you are interested in the planning or volunteering contact techhounds868@gmail.com

CUMC SUMMER CAMP



What: 5 Day summer camp hosted at Carmel United Methodist Church. Each Day dedicated to one letter of STEM with the final day putting it together.

When: July 24-28

How: Contact techhounds868@gmail.com for more

WTW COMMITTEE



What: Planning our Women in Technology Workshop.

When: During the summer and the start of the school year.

How: Contact techhounds868@gmail.com for more information.

SHOULD I PARTICIPATE IN OUTREACH?

Are you interested in STEM?

NO



No, no. That can't be right. You are reading this newsletter... here let me help you.

CONTACT:

Team Lead at techhounds868@gmail.com or visit our website techhounds.com for more information. Follow our social media to see post on upcoming oppurtunities or current events.

Instagram: [frc868](https://www.instagram.com/frc868)

Twitter: [frc868](https://twitter.com/frc868)

YES

BACK TO THE RIGHT TRACK

Do you like little kids?

NO



Look at that cute little smile.

YES

Do you like teaching kids things you are interested in?

NO



Okay... Just in case you change your mind...

OF COURSE

What has been stopping you?

I'M A LITTLE AWKWARD



No.

YAY AREN'T YOU EXCITED!!!



That's an easy fix!

I DON'T KNOW WHERE TO START

SIGNATURE
\$6000+



BOEING



Rolls-Royce®

**Carmel High
School**

DIAMOND
\$4000+



**United
Technologies**

DELPHI

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
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Chairs of a Different Color
Center for Diagnostic Imaging
DWA Healthcare Communications Group
Hoosier Gasket Corporation
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Center for Diagnostic Imaging
Tony LaMear for US Congress, (IN 5th)
Williams Comfort Air
Fusion Technology Partners

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