

THE NUTS AND BOLTS

TECHHOUNDS NEWSLETTER - 01/18/2019

StoryWalk

On Friday, January 4th TechHOUNDS members worked with the Carmel Clay Public Library to host the first-ever STEAM (science, technology, engineering, art, and mathematics) StoryWalk. A StoryWalk, as described by Elizabeth Essink, Children & Youth Services Manager via email, is an "...active and interactive book reading [where] you take a picture book, cut it up, and post it along a path...doing activities along the way."



The Carmel Clay Public Library's

StoryWalk used the picture book "Can You Make a Scary Face" by Jan Thomas, which centers around the game 'Simon Says,' in order to teach children ages three to seven how to code.

Similarly to a game of Simon Says, robots only follow instructions delivered to them explicitly by code. TechHOUNDS students worked closely with over 200 children and parents to demonstrate this parallel idea using games and programs including Cubetto, Robot Mouse, and Codeapillar.

The STEAM StoryWalk is part of a long-standing partnership the TechHOUNDS holds with the Carmel Clay Public Library and is the first of many community-engaging outreach events the TechHOUNDS plan to conduct this semester!

CONTACT US @

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UPCOMING EVENTS

Stop Build Day

02/19/2019

Women in Technology Workshop

03/02/2019

Tippecanoe Event

03/23-24/2019

Center Grove Event

03/29-30/2019

Black and White Challenge

TechHOUNDS was nominated by FRC 4130 "The Blue Devils," FRC 3947 "The Last Crusaders," FRC 6956 "Sham-rock-botics," and more to participate in the #blackandwhitechallenge. The challenge requires the team to post one black-and-white image on social media every day for one week. The TechHOUNDS nominated FRC 234 "Cyber Blue" and FRC 1747 "Harrison Boiler Robotics." Check out these pictures and more on our Instagram @frc868.



SPACE FACTS!



Jupiter has the shortest day of all the planets. It turns on its axis once every 9 hours and 55 minutes.

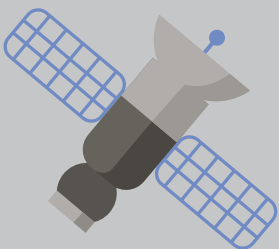
Earth suffers an impact from an object the size of a football field about once every 2,000 years.

The surface temperature on Venus can reach 471 °C.

The Moon was formed 4.6 billion years ago.

Earth is the only planet in our solar system not to be named after a Greek or Roman deity.

Uranus' moons are named after characters created by William Shakespeare and Alexander Pope.



MEET OUR TEAM

A weekly showcase of the members & mentors who make our team tick.

WHAT MADE YOU WANT TO JOIN TECHHOUNDS?

I like to work with technology and I enjoy coding. I heard about TechHOUNDS and decided to join. I joined the IT division due to my interest in coding.

SO FAR, WHAT'S THE MOST INTERESTING THING YOU'VE LEARNED?

What really interested me was learning how to write HTML code to create a website. I liked how each component had its own purpose, and how they worked together to make the website function.



ELLA HOLCOMB
ROOKIE

WHAT ARE YOU LOOKING FORWARD TO DOING?

I look forward to learning more elements of web design and learning new coding languages, like CSS and JavaScript.

WHAT IS THE MOST IMPORTANT THING YOU LEARNED FROM TECHHOUNDS?

Definitely, some of the most important things I have learned from TechHOUNDS are the programming skills I have acquired.

DO YOU HAVE ANY WORDS OF ADVICE FOR ROOKIES?

You really have to reach out to people to get things taught to you. Specifically, you have to be respectful when you're asking for help and you have to be willing to learn and accept constructive criticism.

WHAT HAVE YOU LEARNED FROM TECHHOUNDS THAT YOU WILL BE TAKING TO COLLEGE?

Definitely some of the leadership and teaching skills; I know colleges really look for that. Also, the skill of working with a group with differing opinions to meet a goal or deadline.



SKYLAR CLELAND
4TH YEAR

WHAT DOES BEING A MENTOR ENTAIL?

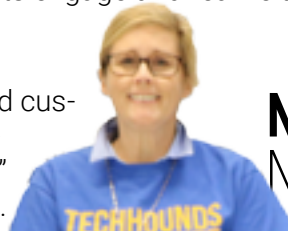
Mentors are an important part of any FIRST Robotics Competition Team. There are many duties to assist the Team Faculty Mentor, Mr. Bonewit. Examples for Public Relations include: collecting team data, meeting deadlines for award submission, reading important FIRST updates for the competition season, and ensuring Public Relations is informing teammates, parents, and our sponsors of our successes in spreading the STEM agenda to our community.

WHAT IS YOUR FAVORITE PART ABOUT BEING A MENTOR?

My mission is to guide and expand the students' horizons, and I see that happening every day at TechHOUNDS. Thursday (January 17th) was International Mentoring Day; I highly recommend being a mentor on the team. It's so powerful to see students engage and realize they can truly invent the future.

WHAT IS YOUR PROFESSION?

My background is solidly one of sales, marketing, and customer relationship management in the hospitality industry. Of course, most importantly I'm a "Momager" which entails keeping track of a lot of moving pieces.



MRS. FRONEK
MENTOR

DIVISION UPDATES

"This week in Robot Ops, we have moved from developing conceptual prototypes to finalizing designs and locking down the geometry of the robot so we can integrate all the necessary subsystems."



ROBOT OPERATIONS

"This week in PR, we finalized the spirit wear design and set up an online store for all of our students, parents, and mentors so they can buy our awesome spirit wear for the upcoming season. A link to the store will be sent out on Monday."



PUBLIC RELATIONS

"This week in Construction, we completely finished building everything that was required for this year's practice field. We continued projects we began in preseason, including the electrical cart, a table for GyanSys, and a new pit structure cart."



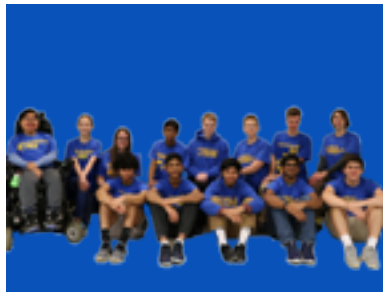
CONSTRUCTION

"This week in Electrical/ Programming, we've been experimenting with computer vision and sensors to collect information for the driver during the sandstorm period of the game. Additionally, we're practicing wiring electrical boards so we're ready to go when we have the robot."



PROGRAMMING
/ ELECTRICAL

"This week in IT, we finished up the frontend of the scouting system. We also started working on the backend and figured out ways to display the information we need."



INFORMATION
TECHNOLOGY

This week, the team has been applying for STIMS, the official FRC registration portal. This will allow students to be eligible for attending competitions. Everyone is getting used to how meetings work, and fulfilling team requirements.



TEAM LEAD

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