



BROWNCOATS

Team 7842 Engineering Notebook - Rover Ruckus

Date:	November 4, 2018	Start Time:	3:00 pm	End Time:	4:00 pm
Location:	Huntsville Library				
Reach:	20	Team Outreach Hours:	3		
Team Attendance:	Megan, Brooklynn, Kye				

OUTREACH: Rocket City Nerdcon

On November 4th, the Browncoats attended the Rocket City Nerdcon at the Huntsville Library Main Branch for the second year in a row. We brought the latest revision of our 2018-2019 robot, Vera Mark VI. While we demonstrated what we had, we also discussed the Rover Ruckus game, and how we plan to tackle all of the challenges.

We held a panel to discuss everything there is to know about FIRST Robotics and FIRST Tech Challenge, specifically going into how it works and its benefits. Because there were people of all age ranges, we discussed the different stages of *FIRST* and how they benefit all different kinds of age ranges. We also had a few people in attendance who were on a FIRST Robotics Competition team, which was a great way to show and talk about some of the differences between the two programs.

A lot of people were interested in how to become involved with the program, or how to support our team. We handed out a bunch of flyers about *FIRST* and the Browncoats. Everyone was very interested in learning all about FIRST and how an FTC team works, and how the competitions played out, and it was a great opportunity to spread the knowledge of FIRST Robotics to many different people!





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ROCKET CITY NERDCON November 3 & 4

Rocket City NerdCon

Rocket City NerdCon (RCNC) 2018 is a celebration of all things nerdy. If your fanaticism for pop culture, comic books, movies, tv, books, games, collectibles, crafting, cosplay, LARPing, etc. borders on obsessively nerdy, this is the place for you! Come meet other people who geek out over similar subjects, and let your inner nerd flag fly.

Sunday Schedule:

3:00 PM- **Robots in Outer Space (A FIRST Tech Challenge Overview)**- Are you interested in learning all about robots? In this panel you'll learn what it takes to be a part of a robotics team.

From Rocket City Nerdcon's page on the Huntsville-Madison County Library's website



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Date:	December 1, 2018	Start Time:	7:00 am	End Time:	5:00 pm
Location:	Columbia High School				
Team Hours:	60	Team Attendance:	Ian, Jalynn, Mr. Jeff, Ms. Cindy, Ms. Jean, Ms. Faye Lynn		

COMMUNITY SERVICE: FIRST Lego League Qualifier

On Saturday, December 1st, members of the Browncoats volunteered at the *FIRST* Lego League (FLL) Spirit and Opportunity qualifiers at Columbia High School.

We were each assigned a job at the beginning of the day, such as searching for teams before a match or assisting at the practice tables in the pit. Our mentors also volunteered, helping with registration at the beginning, and even judging! When it was time for lunch, we prepared the meals for the teams as well. The FRC team, the Golden Hurricanes, was there helping too, so it was a great chance to get to know them.

At the end of the day, we helped with clean up and stayed to watch the awards ceremony. It was so much fun watching the kids dance, even though we were a little too tired to join in ourselves! The Browncoats also won a Volunteer Award from FLL too! This event was an awesome experience and a wonderful way to invest in the lives of young engineers!





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Date:	December 8, 2018	Start Time:	10:30am	End Time:	11:30am
Location:	Randolph Middle School				
Reach:	60	Team Outreach Hours:	6		
Team Attendance:	Ian, Brooklynn, Jalynn				

OUTREACH: *FIRST* Lego League Demonstration

Saturday, December 8th, the Browncoats were invited to do a robot demonstration at the *FIRST* Lego League (FLL) qualifier at Randolph Middle School. We arrived early to set up Vera and test her to see how she would run on the gym floor. The teams arrived shortly after we did and the event began. The first thing to happen was the teams were introduced and the announcements were made. Next, the volunteers and referees were introduced. Then, they explained what the qualifier should be like and how the teams should use gracious professionalism in the tournament before they called us up to begin the demonstration. As we were demonstrating, the announcer explained *FIRST* Tech Challenge (FTC) and invited the kids to come ask us questions if they had any. Immediately after, the teams were dismissed, and we had a whole team come talk to us. They asked lots of questions about Vera and were very interested in hearing how FTC works.

Overall, this event was a great way to educate FLL teams about FTC and, hopefully, inspire them to join or start an FTC team when they get older!





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Date:	December 15, 2018	Start Time:	10:00 am	End Time:	3:00 pm
Location:	Huntsville Christian Academy				
Reach:	50	Team Outreach Hours:	55		
Team Attendance:	Ian, Megan, Joel, Brooklynn, Kye, Jalynn				

OUTREACH: December Scrimmage

On December 15th, the Browncoats hosted a scrimmage at Huntsville Christian Academy. The event was extremely easygoing and stress-free, and essentially was a chance for teams to test their robots against other teams on the playing field. FTC Team 13808 Time Travelers provided the field, and together we helped traffic at the beginning of the event.

We had seven teams attend, and it was such a fun day! We got to talk to a lot of different people. There were some interesting and promising designs we saw, and we can't wait to compete with everyone at Alabama State! The teams mostly worked on their robots, and four scrimmage matches were held. *FIRST* in Alabama also attended and tested their live scoring software. They also answered any questions any of the teams had about rulings or the game in general. We learned a lot, and we're so glad they were able to come!

When the scrimmage was over, we hung around and talked to the remaining teams before packing up. This event was a great way to connect with other robotics teams and test our robots against each other's without the pressure of an actual competition! We had such an awesome time with all of the teams, and we're so happy everyone was able to participate! It was a great day, and we can't wait to see everyone again soon!





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