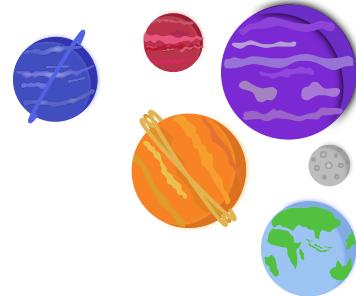


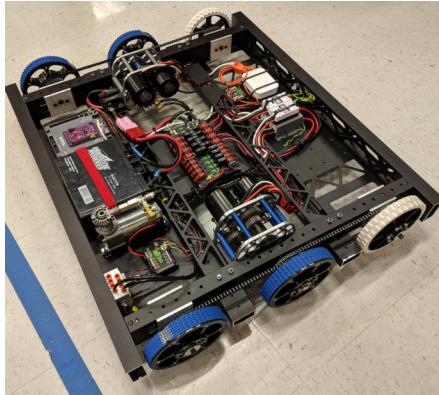
THE VALOR OBSERVER



Build-Season Week: 1/28-2/2/19

With only two more weeks left in our build season, our robots are coming together. On Tuesday, we sent out our parts to get powder-coated and thanks to All-American Wheels we were able to get them back Friday night, leaving us all of Saturday to start assembling the rest of our robots. We made our merchandise store live and finished up the final formatting for our website. Our goal is to have our first robot completed by the end of week 5!

WE WOULD LIKE TO GIVE A HUGE THANKS ALL-AMERICAN WHEELS FOR POWDER COATING OUR PARTS!



VALOR ALSO HAS A MERCHANDISE STORE LIVE RIGHT NOW!!

BUY YOUR MERCHANDISE HERE:

[HTTPS://TEAMLOCKER.SQUADLOCKER.COM/#/LOCKERS/6800-VIPERBOTS-VALOR](https://teamlocker.squadlocker.com/#/lockers/6800-VIPERBOTS-VALOR)

KEEP UP WITH VALOR ON SOCIAL MEDIA!

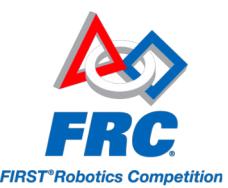
<http://viperbotsvalor6800.com/>

<https://twitter.com/FRC6800/>

<https://www.facebook.com/Valor6800/>

<https://www.youtube.com/viperbotsvalor/>

INTERESTED IN BECOMING A FIRST VOLUNTEER?



For more information, click here :

<https://www.firstinspires.org/node/3551v>



STUDENT SPOTLIGHT



Harshita Avirneni

Business Team Lead/Chairman's Team



My goal for this week was to finish all the content for the website and finalize edits for our Chairman's submissions. Since the beginning of build season, I have been working with Ana to completely redo our website from last year. For this, I had to learn how to edit all the web content using github. On Friday, I officially finished all the pages for the website. I accomplished all the goals I set for myself this week, along with taking pictures and videos for our Chairman's, robot reveal and recap videos. My goals for next week are to officially submit our essays for the Chairman's award and continue to take pictures and videos as we get closer to the end of build season.

Elyssa Padovani

Business Team/Media



During the past few weeks, I've worked on editing and creating our Chairman's video along with filming around the lab for the recap and reveal videos coming up. This week, my goal was to finish editing the Chairman's video so that when the actual robot starts to take shape, I will be able to add some videos without having to restructure the entire video. Next week, my goal is to make templates for the recap and reveal videos and to start filling in what we have so that we can stay on track with the flow of the season.



Rose Norrod

Business Team

Throughout the past couple weeks I have been working on organizing meetings with school district principals and PTA members in order to further FIRST and STEM integration into the education system of our district. I have also been designing flyers and pamphlets detailing how to join FIRST and the benefits FIRST and STEM has on students who participate in such programs. Along with the other marketing members I have helped finish off the chairman's 10k essay. My goal for next week is to finish scheduling outreach meetings and help Deer Creek Elementary with funding for a FLL program.

MEET THE MENTOR

Michael Ray

Head Coach



I have been involved in FIRST for 12 years now - 2 years of FLL, 4 years of FRC, and 6 years of FRC mentoring. Most of my FIRST knowledge comes from my high school team, Team RUSH 27. I graduated from the University of Michigan 2 years ago with degrees in Electrical and Computer Engineering. I currently am an application engineer at ARM creating end-to-end Internet of Things deployments. This past year has been my favorite season of FIRST, and I am incredibly proud of every student on the team.



SUB-TEAM UPDATES

Chassis

This week, we reassembled the drivetrains onto both robots after disassembling the drive trains to assemble the lift. We now have 2 fully powered chassis. Next week, we are fully transitioning to helping the other sub-teams with adding the lift and intake to both robots.



Above Chassis

This week, we had to finish manufacturing all the brackets and lift gearbox plates in order to begin assembling the lift next week. We completed the lift brackets and got our powder-coated parts back from the powder coating company, All-American Wheels. Everything went relatively smoothly this week. We briefly ran into a problem with string routing for the lift, but we were able to modify the parts to fit the string. Our goal next week is to complete assembly of both robots and have them up and running for practice.



Controls

With powder-coated parts and ordered parts arriving on Friday, the electrical team was hard at work to verify all the wiring that was done for the base. To properly finish the base wiring, we also needed parts that weren't going to be ready until Friday. Once the parts came in, we finished wiring in the evening so assembly could begin. Meanwhile, software continued to test vision off the raspberry pi. We were still learning on how to run code off the pi.

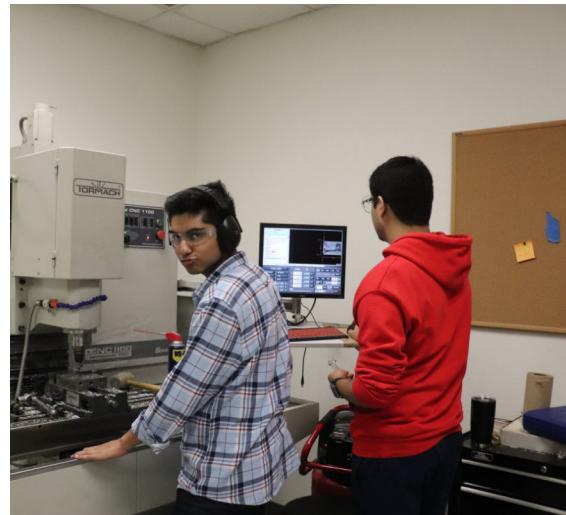


Object Collection Device

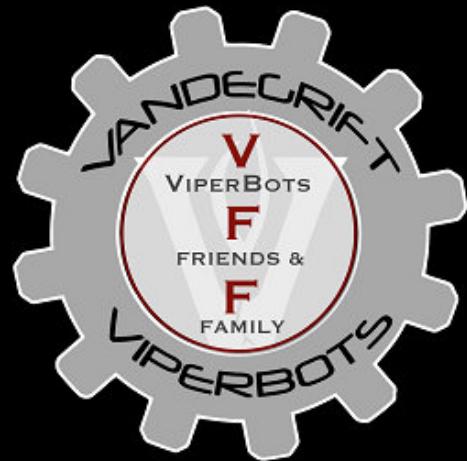
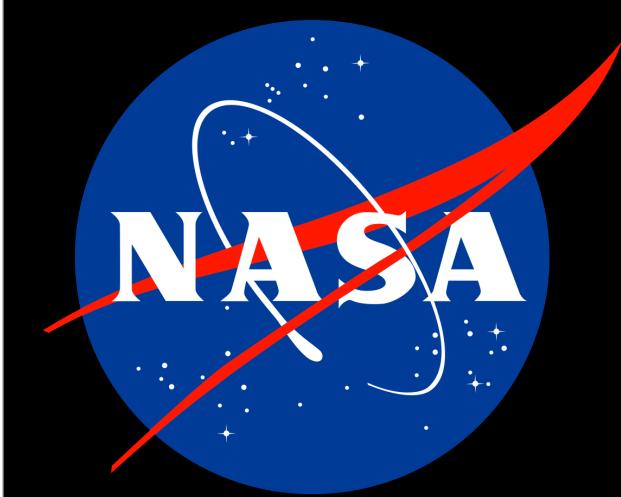
Our goal this week was to begin manufacturing and 3D printing most of the components for the intake in order to start assembly of the intake next week. This week we ordered all of the parts for the intake and began to manufacture the polycarbonate side panels for the intake. Most of the spacers for the intake were 3D printed. One obstacle we had this week was waiting for parts. So when we were waiting, we began to prepare CNC files for our parts. We also helped other sub-teams manufacture their parts.



PICTURES OF THE WEEK



THANK YOU TO OUR SPONSORS



ARM

The sponsor logos are arranged on a light grey background. From left to right: 1. Leander ISD logo with the tagline "LEADING TO A BRIGHT FUTURE" and a yellow starburst graphic. 2. All-American Wheel Pros logo, featuring large stylized letters "A", "W", and "P" in red, blue, and grey respectively, with a blue ribbon banner across them that reads "ALL-AMERICAN WHEEL PROS". Below this is the tagline "HAVE A WHEEL-Y GOOD DAY!" with a small "TM" symbol. 3. Civitas Learning logo, featuring a blue "C" inside a circular pattern of blue dots. 4. FIRST in Texas logo, featuring a red triangle inside a blue square, with the word "FIRST" in large bold letters below it and "IN TEXAS" in smaller letters underneath.

Valor would not be able to participate in the FIRST Robotics Competition without these companies and their support for the program. We extend our gratitude.

