

THE VALOR OBSERVER

6800

Build-Season Week 3
Saturday, January 28th, 2018

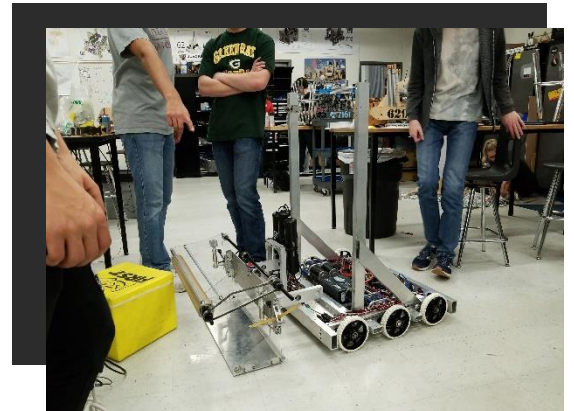
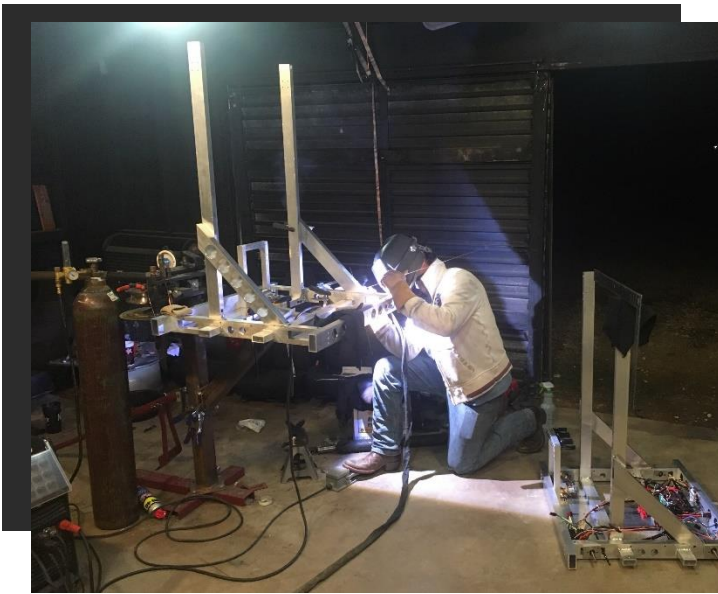


Valor's MVP: Logan Castillo

Valor can't express how thankful we are for Logan's help this week. Logan is Justin's friend who was brought on board to help us with welding. He has welded both the competition and practice chassis, as well as some of the lift components.

Thank You Logan!

-Sincerely, Valor 6800



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Student Spotlight



Adelaide Johnson
Chassis Sub-Team



I'm a member of the chassis team, however I've recently been focused on manufacturing the lift because both chassis are near completion. I love working with the team and am very excited to see the robots come together so quickly. I'm really looking forward to competing in FRC for the first time this year.



Devan Dholakia
Above Chasis



have been in the FIRST program for the past 5 years and this is my first year doing FRC. I am loving FRC and Valor and the new engineering opportunities it brings. I am apart of the "Above Chassis" sub team and we are currently working on the lift for our robot. I can't wait to see our robot's lift extend to 8 ft during a match.



Meet the Mentor



Jesse

Programming / Controls Faculty Mentor

I got involved when my old programming teacher told me he was starting a robotics group. I currently mentor the intake subgroup. I studied computer science at UT Austin and I work as a software engineer covering both front end and backend at Bazaarvoice. I enjoy both expanding my knowledge of machining AND helping students achieve things they didn't think they were able to achieve. Valor and Viperbot students are some of the best people to work with and are way too good at taking on new challenges.



Sub-Team Updates

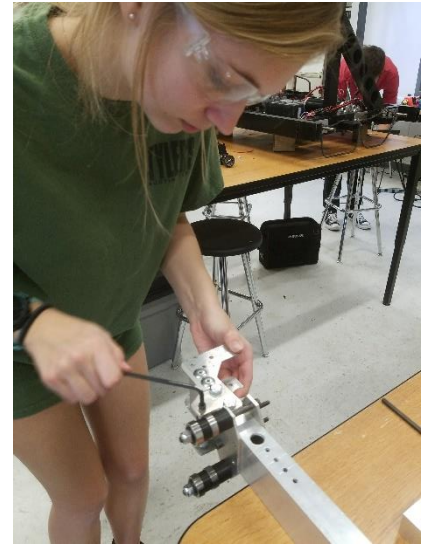
Object Collection Device (OCD)

This week the OCD sub team began to work on the practice bot intake. This meant cutting out polycarbonate for the sides, cutting axles, wrapping our rubber on our intake tube, and working on assembling everything. We found out that the center of mass was skewed to one side which meant our roller would shake up and down. To fix this we are working on a new way of mounting the rubber to our intake roller.

Above Chassis



Over the past week the above chassis sub team has finished drilling holes in all stages of the lift and begun work on the carriage, the connection between the intake (OCD's work) and the final stage of lift. Half of the brackets for the linear slides have been milled while the remaining brackets are waiting mill time, and the carriage box tubing and brackets are being milled and routed (respectively). Most of our time now is being spent milling (or waiting for the mill), and we'll soon be able to construct the entire lift.



Chassis

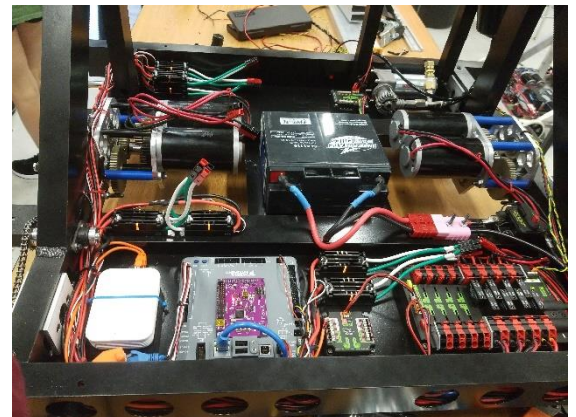


This past week we finished the welding for both chassis by welding on the diagonal lift supports. Then, we painted the comp chassis and got it ready for the wiring team. Finally we assembled and mounted the comp chassis so that we can test the drives and roll around this Saturday

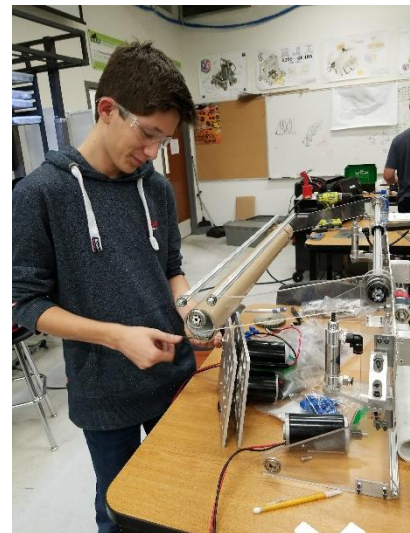


Controls

The control team was able to start and finish wiring up the practice and competition robots! Once the lift and intake are mounted on the practice robot, we have everything setup to begin testing an entire robot! With everyone on the sub-team being ahead of schedule, we've begun to split up in to the other sub-teams to help manufacture whatever they need.



Pictures of the week:



Open House

Valor will be hosting their first annual, Open House.

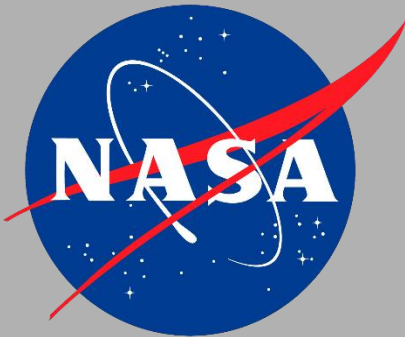
Come see the robot and all that Valor has been working toward this season.

Save the Date: February 26th, 2018



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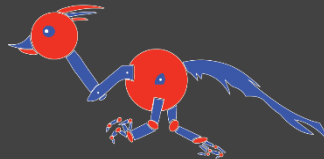
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