

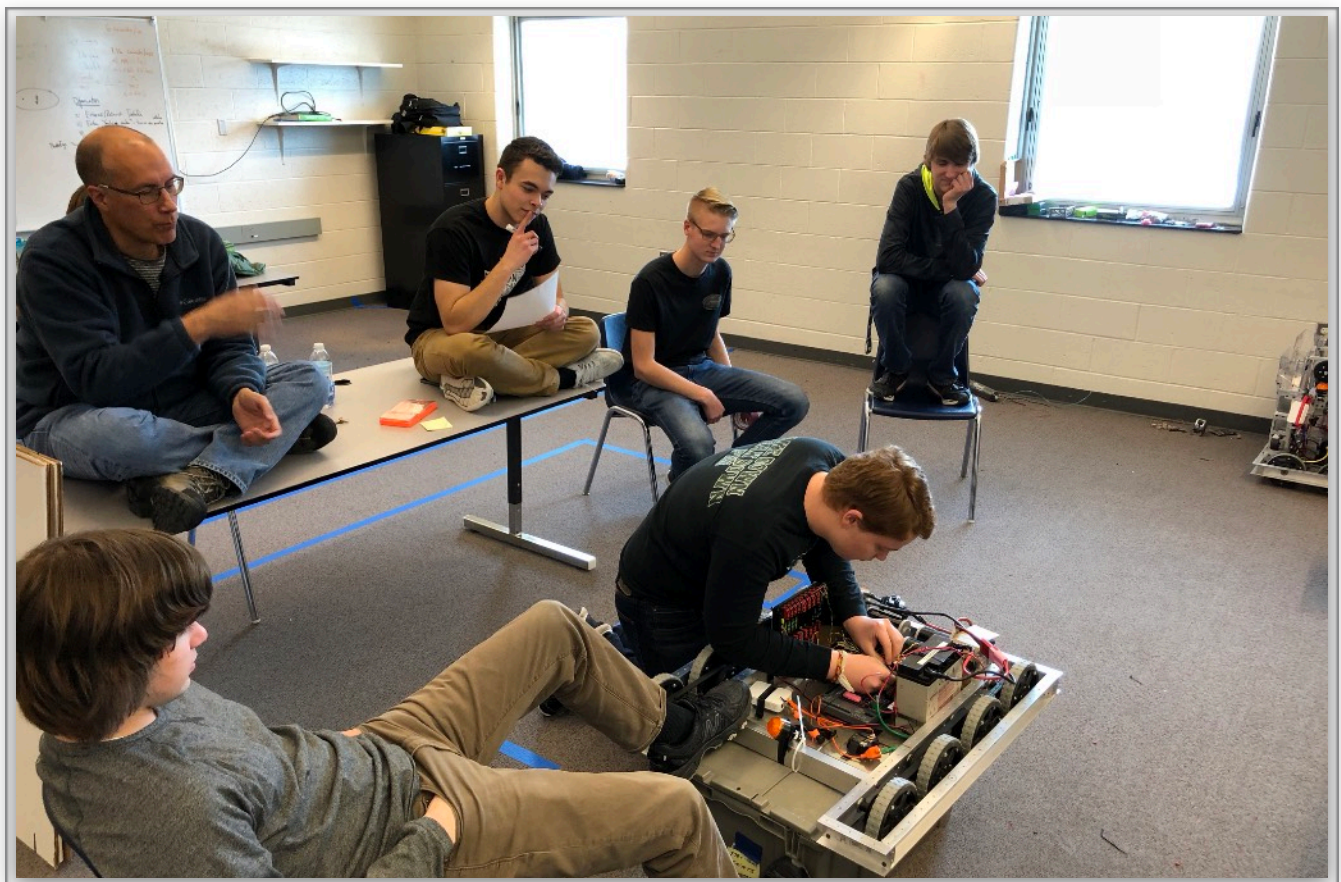


TRISONICS

WEEK 5



ATTENTION: The TriSonics have only 1 ADDITIONAL week to build! In week 5, we made a lot of progress, but are still feeling behind. All of the design specs have been released and was sent to the build team to start fabricating. This week was a lot of fabrication with the following week to be mainly build. Stop Build Day is February 20, meaning we have only 10 days left to finish up building the robot, testing our code, and allowing for driver practice. We have a lot to do, and its coming fast!



Pictured above: some students working on our 2018 robot. It is wired and ready for the programmers to start initializing!

Design Team

In the fourth week of Build Season, the design team mainly focused on releasing part details and getting everything to the build team. We're coming up on the start of week five, so it's crunch time to get the design finalized. We've also begun to concept a climbing mechanism that will attach to the lift until the endgame, where a ratcheting winch will pull us above the 12" mark. In the coming week we will be aiding the build team in assembling the robot, and fleshing out the climbing system.



Chairman's Award Team

The Chairman's team finished and sent in all essays including: the main essay, executive summaries, and the Woodie Flowers award for our fabrication mentor, Dale. They have also finished their video script and have started collecting pictures for the video. As well as setting up interviews for the video.



Wiring Team

This week, the wiring team has designed and laid out the electrical components of the robot. Today, we helped the programming team get the robot moving!

Build Team

In week 5, half of the build team continued to machine parts and the other half started to make buttons and more bags for an outreach event. At the end of the week the build team put together the bumpers and started assembling the powered intake. While most of the build team assembled the parts the rest of the build team started organizing parts to assemble in week 6.

Programming Team

In programming this week we mainly worked on creating more and improving our existing motion profiles. Near the end of the week we made some code that will control all of the pneumatic pistons that will be on the robot. This weekend we got the mostly wired chassis in and spent most of the day getting it working.

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