

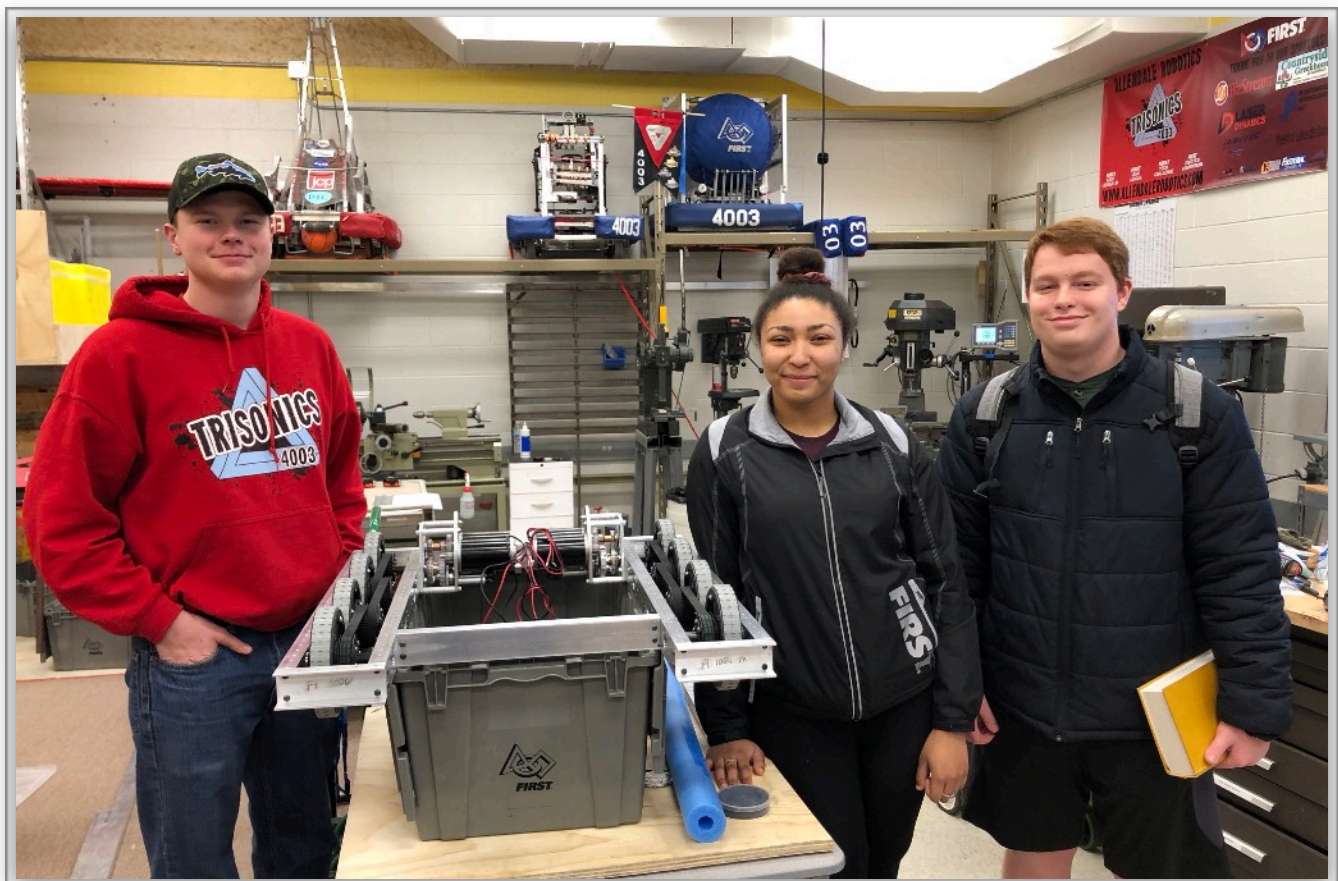


# TRISONICS

## WEEK 4



The TriSonics only have 2 more weeks of build season! With week 4 coming to a close, we only have 2 more weeks of build season before we have to stop. Stop Build Day is on February 20, which is approaching faster than we think. This week, we have accomplished a lot, but have a long way to go. As you can see below, the design team released the drive train to the build team, which has been built already. By the end of the day today, the rest of the robot should be released from the design team to the build team. Things are looking good!



Pictured above: three students with the drive train of our 2018 FIRST Power Up Robot!

## Design Team

This week, the design team finalized the design on the Intake as well as the clamping mechanism. We are continuing work on the lift system and it is nearing finalization. We are releasing detail drawings to the build team. Next we are going to design in controls and begin on a climbing mechanism.



## Chairman's Award Team

This week, the Chairman's team finished the executive summaries, main essay, and gathered pictures for the submission due this coming Thursday. The team is now working on our video, preparing our presentation, and making team numbers for the stands.



## Wiring Team

The wiring team, this week, worked on laying out the controls for our robot, as well as laying out the field with tape for the programming team to use.

## Build Team

This week, the design team finalized the design on the intake as well as the clamping mechanism. We are continuing work on the lift system and it is nearing finalization. We are releasing detail drawings to the build team. Next we are going to design in controls and begin on a climbing mechanism.

## Programming Team

This week, the programming team got an organizational GitHub account and organized their code into repositories. We learned about shuffleboard for displaying important robot status information. We also continued working on motion profiling and created several profiles to run in autonomous mode. We began creating more navigation code as well.

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