TRISONICS WEEK 4

The TriSonics are two weeks away from Stop Build Day!

We are now starting to get parts machined and our chassis almost completely assembled. Then, it

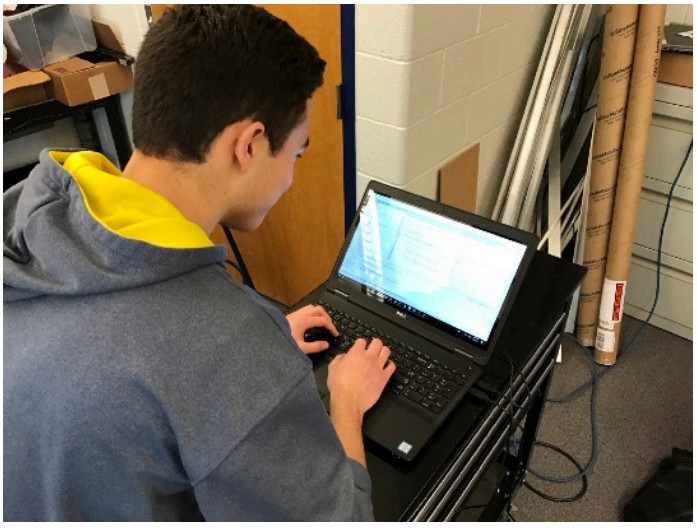
will be handed off to our programming team who will start to install the controls system so by next week we will hopefully be driving the robot! We will be utilizing all the time we have left to have the most competitive robot possible.

Pictured above, TriSonics build member, Lisa, hard at work in our build room machining out parts to give to the rest of the build team to start creating our gear manipulation device.

“This week on the build team we worked on the frame. We got that assembled, and we got the drive train attached. We also worked on cutting parts to size and machining them for the intake and the gear assembly. The build room was been cleaned. The the prototypes for the gear and climbing

“This week on the programming team, we finished setting our two motors to a single encoder with a master/ slave system. We spent some time writing some autonomous modes that drive up to retro-reflective tape and then reset itself. After that we realized that the field we set up was the wrong dimensions and we have since fixed it.”

“This week, the design team completed the drawings for the ball intake and the gear system and released them to the build team for fabrication and assembly. Before releasing the gear system, we built a mock-up version to make sure it would work. When it was tested, a few problems were found so we had to modify it to work correctly. We began to prototype ideas for the rope hanging system and tried to figure out how we want to start designing the shooter, and continued to work on the controls system.”



“The chairman’s team this week, completed all of the 12 short essays, as well as the longer, 10,000 character essay. We will now be start to come up with video ideas along with a presentation. ”

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