



TRISONICS WEEK 2



The TriSonics Have Been HARD AT Work This Week!

With week one behind us, week two has been full of prototyping and exciting new ideas. Read below to check out what we've been up to in week two.



We have been hard at work with multiple prototypes, building the field, designing the robot in CAD, writing code, writing chairmans essays, and working on our own app for scouting. For the last five years we have used pen, paper, and a paper organizer to scout out other teams at competitions. It was very inefficient and difficult to keep papers organized so this year we are going to write our own java app.

Pictured above, TriSonics students are hard at work in our build room creating pieces of the field and working on fine tuning our prototypes.

“The build team has been working on a prototype to climb the rope as well as continuing to work on our shooter. Lately, we have been testing out a fly wheel system rather than two wheels on each side to shoot the whiffle balls.”



“The chairmans team has been working on our executive summaries still. After that, we will write out main 10,000 word essay and starting planning out this years video.”



“In design, we made the detail drawings for all of the parts to the smaller frame. The detail drawings show the cuts and holes for the build team to do. Aside from making detail drawings, we designed the parts and assembled them for the gear mechanism and the ball intake. The last thing we have done is connecting the assemblies, so we can start getting an idea for how it looks on our chassis.”



“The programming team this week has been working on vision code with a Raspberry Pi mini computer and our robot from last year. We are experimenting with using infrared light instead of our usual bright green light that we shine on the reflective tape on the field. This will allow for greater accuracy and less interference from other green light sources. We got our 2014 robot wired up as well so now we have two robots to experiment with.”



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