



TRISONICS

WEEKS 2 & 3



The TriSonics hosted a LEGO League STATE Championship!

On January 20, we hosted a FIRST LEGO League (FLL) State Championship at Allendale High School. 48 elementary school teams from all across Michigan came to compete for the State title.

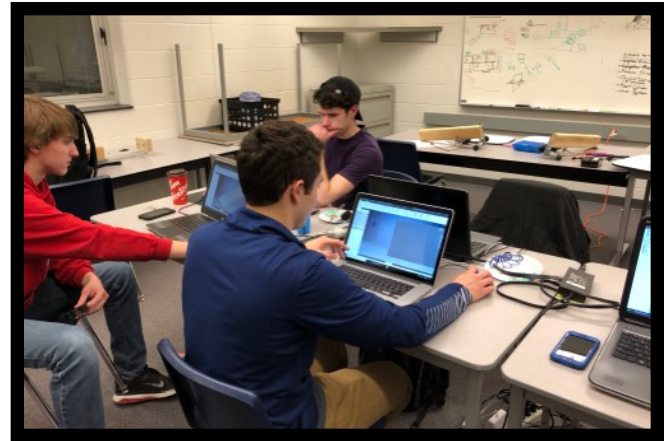
Out of our 3 teams that competed, 2 of them received awards: 1st place Inspiration and 2nd place Innovative Solution. Now that this is over, back to FRC build season. We just finished week 3, more info below!



Pictured above, the FLL State Championship at Allendale High School in action.

Design Team

Throughout this week, the design team has been able to advance greatly through the design process. First, we finished the frame design and sent it off to the build team to be fabricated and constructed. We then decided that it would be best to split off into multiple groups to get more done. Both sub teams, one focusing on intake and one focusing on lifting the cube, were able to finish conceptualizing and began designing the parts. The design team finishes this week continuing to design the lift and intake for the cubes.



Chairman's Award Team

The Chairman's Team continued to work on the executive summaries and the main essay for the award submission. The submission is due in less than two weeks, so the team is working hard to make sure everything is complete before the deadline. In the coming weeks, the team will begin to work on the video and presentation.

Build Team

For week 2 & 3, we focused on building the core values challenge for the FLL State Championship. We also prepared to host the FLL State Championship. In week 3, we finished the scale by adding the other side. We also built the wheels and part of the frame. The last thing we did was building FTC parts to help them before Super-Regionals.



Programming Team

These past two weeks programming has worked on several different projects. The code for the pneumatics was made and there has been great steps in our motion profiling. A notifier was added so the robot can process new information every 10 milliseconds instead of 20. The motion profiling is being used so our robot can have a more fluid movement during autonomous.

Wiring Team

We finished rewiring the frisbee robot and have started to layout the electronics on our actual 2018 competition robot!

THANK-YOU 2018 SPONSORS!

