

Volume 5: The Fifth Week



Allendale
Robotics



Weekly Build Season Update

From The TriSonic, FRC Team 4003

Find Us on Social Media!



@TriSonic_4003



@TriSonic4003



allendalerobotics.com



facebook.com/FRC4003

The TriSonics newsletter allows us to share with you the weekly happenings throughout our 2016 Build Season. In the newsletter, you will find a description from each of our sub teams with what they've been doing during the week! We hope you enjoy seeing our team grow throughout the season, and the progress we make through our 6 week build season!

Build



This week the build team has worked on machining parts for the shooter, cleaned up the build room, and started assembling parts of the robot. In their free time, they worked on scouting strategies for the upcoming season as well as some other team building exercises.

Design

The design team has been finishing the detailed drawings for the rest of the robot so that the rest of the parts can be machined up and assembled. The design team has currently been working on exploded views of the assemblies so that they can be put together easier. The next step is to design a hanging mechanism for the robot that is under ten pounds.



Programming

The Programming Team has created autonomous modes to easily get over four of the nine defenses. Also, they've figured out how to use the closed loop speed controller on the Talon SRX. Next the programming team mapped out all the different controls of



the robot on the controller, so that when the drive team gets the robot they now what to do. And now they are currently working on using PID for some of the motors on the robot. That way the robot will be able to auto-correct it's aim to load balls into the

Chairmans

This week the chairmans team wrote and submitted the the main essay, the Woodie Flowers Award, and the executive summaries. As well as gathered some ideas for the chairman's video. The Woodie Flowers award is used to recognize excellence in mentorship, and is when the students nominate one of their mentors for this distinguished award.

Meet Our Team!

Every week we feature one mentor and a few students from our team to help you get to know the TriSonics!



JUSTIN *mentor*

Justin is a programming mentor alongside David Austin. He joined the TriSonics a few years ago

when Countryside Greenhouse began their partnership with the team. He's a valuable asset to the programming team and helps them with the technology they use to program. He is also well versed in java, so when the team switched from LabView to Java he was extremely helpful in the process.

LOGUN *senior*

Logun joined our team during his sophomore year and is the head of the programming team. As soon as he joined, he immediately found his calling with the programmers and has rose to the top of the team and is now one of our student leaders. He is also a member of our Chairman's team and has been on the presentation team for the past two years.



Thank You To Our 2016 Sponsors!



Eagle Machine Tool



Meekhof's Lakeside Doc, Inc.



Thank you to Innotech for joining our 2016 sponsors!

Do you want to see your company's logo featured above?
 Contact head mentor, **Chad Potinsky**, for sponsorship opportunities!
Email: chad@allendalerobotics.com
Phone: (616)836-2938
Website: allendalerobotics.com