

# Volume 4: The Fourth Week



Allendale  
**Robotics**



## Weekly Build Season Update

*From The TriSonics, FRC Team 4003*

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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 started assembling the frame and goal. On Tuesday they finished the frame. The next day they wired the drive motors to the roborio. By Thursday this subteam had the frame driving. The last day they met this week, Saturday, the build team finished the goal and assembled the shooter motor gearboxes.

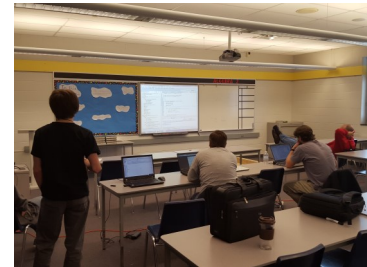
## Design

The design team is currently wrapping up the design assembly of the shooting mechanism and constraining it to the chassis assembly. The next part will be finalizing our ball intake mechanism. The final design will be done shortly, hopefully by next week Wednesday. The newer members are learning well and will soon be prepared to design on their own.



## Programming

This week in the programming team they organized our robot code within subsystems. On Thursday the gearboxes were finished and the motors were wired, so they reconfigured the new RoboRio and got to drive the robot around.



The build team tested driving over a few different types of obstacles. The robot performed very well with some obstacles. Now that they have a driving robot, they're looking into our game plan for autonomous.

## 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 Dean's List Nominees!

Each year, our mentoring team nominates two of our students for the Dean's List award to recognize exceptional leadership.



**PIERCE** *junior*

Pierce is a junior and has been on our team since his freshman year. Last year, Pierce took charge

and started to make safety a top priority on our team. He is our safety captain and makes sure all of our team members stay safe when working on the robot! He is also heavily involved with building and has helped take leadership roles alongside our graduating seniors. Our mentoring team was extremely impressed with his abilities and this is why he is being nominated.

**NOAH** *sophomore*

Noah has been on our team since his freshman year, and our mentoring team is

extremely impressed with his leadership ability! He is always a team player and is willing to jump in and help with anything. He has been on our chairman's presentation team, and is an extremely valuable member of our awards team. With many of our seniors graduating this year he has stepped up and taken many leadership roles!



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