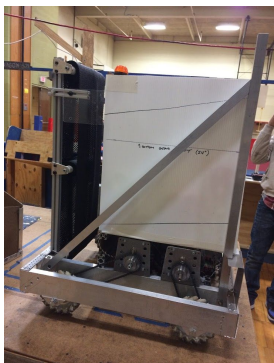# Week 4
Update
Team Paragon

571

Coming Together
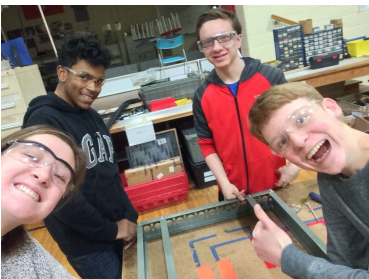
As the ⅔ mark of our build season comes to a close, the team is working harder by the day to finish our robot and prepare for competition. The two separate lands of programming and build are beginning to interact as they work to control this single robot. This is one of the most interesting times of the season: when the robotic mind and body join as one.

Build:

The practice robot is officially functional and can be driven around on the field! The climbing mechanism still has to be added, but the intake for the balls and a basket to hold the balls in has been implemented. A more solid prototype of our gear design has also been created, to be added to the side of the robot shortly. A new battery compartment and side beam supports for the gear design have been added as well. Our final competition chassis has been coated with primer with the outline assembled. After the weight of materials and the sturdiness of the practice robot has been their design for the final robot.

Imagery:

In imagery, award designs are still underway as members started painting the bases. Other parts of the designs have begun to be painted and will soon be assembled. The process of creating a pit book (aka brag book) for competitions has started, by looking through last year's pit book from which to get ideas. Imagery is continuing last year's adventure story theme by creating "The Little Robot That Could", a story book about this year's robot (whose name is still to be determined). The t-shirt designs are finalized, digitized and the order has been sent to the t-shirt shop. A special thanks to Terese Newman for doing all the graphics for us.
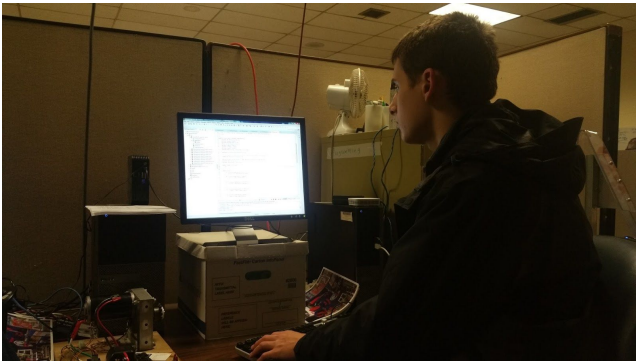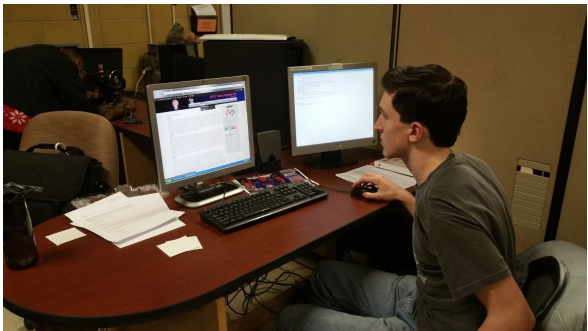

Programming:

Programming has been ready to send their code to the robot for the last week. However, to make use of extra time, the group focused on "future-proofing" their code so they could easily add any mechanisms they may need later on with little effort. They have essentially rewritten parts of the files so that they are cleaner and more efficient.

The group has also continued to develop a heads up display as well as the idea of visual-based code. Visual components can be used to guide the robot during the beginning autonomous phase of the game. It can also aid the drivers to align the robot correctly for more precise maneuvers such as shooting.

Web:

Web has recently updated the site with more information. In particular, they have focused on the community outreach page. Events such as the Shad Derby and WVA Toy Drive have been documented as well as complemented with pictures. The the team updates have also been uploaded to the site and the calendar has been brought to date.

Upcoming Events:

Suffield Shakedown - February 18th
Bag and Tag Day - February 21st
Waterbury Competition - March 3rd - March 5th
Hartford Competition - March 31st - April 2nd

-Amanda and Justin 💡