

Week Five Update



Build

Build has used this week in order to simultaneously work on our practice and competition robots. We've continued to make improvements to much of the practice robot including troubleshooting how to power the rollers on our arm without obstructing the ball we plan to carry. We have also made a lot of progress on



our competition robot. We have painted and assembled the chassis as well as mounted the six wheels for "Josh Drive". We had one team of students measure and cut pieces in order to form the bottom and side panels of the bot which were then passed off to a second team of students who sanded and mounted those pieces. After the bottom panel

was mounted in place we cut and installed the two chains for the transmission. The motors and transmissions were then mounted onto the base panel. As this was happening we also realized exactly how little space we had on the face of our robot. With this in mind we decided to create a two story semi-modular electriquarium, something we have never done before. Like in the past, all our electronics are in one lexan container and removable, but this year it takes on a 2 story configuration. We also have a group of students working on how to best lay out the two levels so everything fits and makes sense. Lastly we decided to add a few finishing touches on the field by creating the secret passageway in the corner of the field.

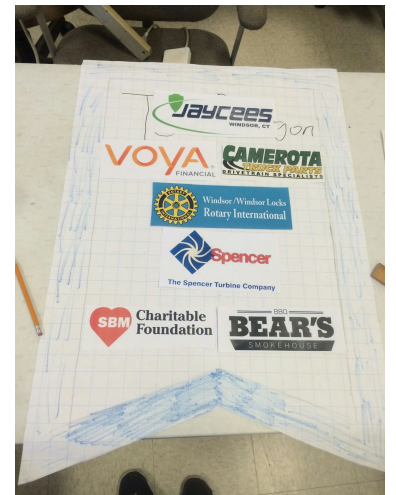


Imagery

Imagery's main focus this week has been on the awards we hand out to teams at each competition. As of Saturday we have completed one of the three awards we plan to make. After the miniature castle passed through many sets of hands we ended up with a well constructed and visually

pleasing trophy. We have also begun work on the scroll award by simulating old age on the paper by treating it with both tea and coffee, leaving the paper looking antique. The base and stand for the miniature standard were built and painted. Finishing touches on the large standard that will hang above our drive station at competition were addressed. Keeping with the theme of standards, we have created two more to hang on the side of our robot cart at competition which will display our top two levels of sponsor. With the limited space

available on the robot, it was a challenge to determine the configuration to display the highest level of sponsors, but we think we have figured it out. We continue to work on our pit book as well as a story book we have decided to create which will portray a story of our robot going on an incredible quest through the land of Stronghold..



Programming

Programming has continued creating the code that allows our robot to operate as we command it to. This past week we have implemented code that would enable the roller at the end of our robot's arm to function. This

roller will be operated by the joystick, and has various speeds and two directions. In addition to this, the

programming subteam did research on advanced programming techniques, specifically by viewing an extremely intellectual





computer science documentary called Monty Python and the Holy Grail.

Web

Web continues to work hard at our great website. As the time continues to get some great sponsorships web adds there logos and links to the correct section on the site. Web continues to run our social media, our new team instagram, facebook and twitter are updated often. check out instragram at

<https://www.instagram.com/teamparagon571/> .

If you would like to learn more about the team, or come visit us, contact teamparagon571@att.net or check out the web site at team-paragon.org



Upcoming Events:

Suffield Shakedown: Sat., February 20th

FTC State Championships, Green Farms Academy, Green Farms, CT, Sat, February 20th

Stop Work/Bag and Tag: Tuesday, February 23rd

Waterbury District Event: March 5-6th

Hartford District Event: April 1-3rd

~Addison & Sam