



FIRST Team Paragon Week 3 Update

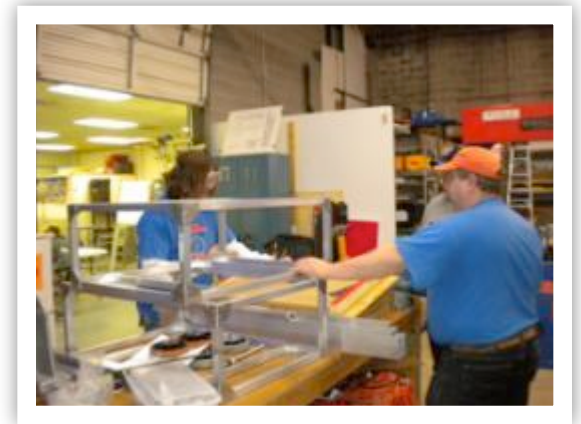
Half-Way to Ship!

Mechanical

This week, the Mechanical subgroup was able to delve deeper into the design plans and get to work on what needed to be improved. A disk loading station for the field was built (photo right). We hope to use this to get a better handle on the accuracy with which we can get the disks onto the



playfield and robot. In addition, mechanical has been forging forward with design plans after completion of the two identical chassis-one for competition and one for practice. This week, wheels were incorporated into the bot, along with all of their carefully crafted counterparts. Our mechanism to shoot the discs, our shooting platter, is currently in the construction phase of build.



Electrical

Team Paragon is known in the FIRST community for engineering a very unique system which holds all of our electronics. We have coined the name ElectroQuarium, as



it is built out of clear plastic and looks very similar to a fish tank (you can guess where “quarium” came from). This contraption can be removed

and put back into the robot with ease, and has proven itself to be incredibly efficient. Electrical began work on the construction of the ElectroQuarium as well as our winch mechanism.



Programming

Programming had its sights set on vision this week (pun intended) and focused their efforts entirely on this aspect of the robot. In order to see what is needed to be

fixed in the coding, the programmers built and set up the playfield targets. The photo above is a “robot’s eye” view of the goals. Once the goals were assembled, our programming team took the next step and built targets of their own for the programming room. This ensures that even if the playfield is in use by another subgroup, progress is not halted.



Once the manual labor was completed, Programming began updating, improving, and re-writing the vision codes.



Imagery

Along with their continued work on the awards, Imagery completed the T-shirt design,

with the assistance of Ms. Terese Newman, a graphic designer from Euphoria Designs. She volunteered her time to come in and help the imagery team transfer their sketches into a cleaner computerized version.



Web

In preparation for the judging of the Digital Media Award, the web subgroup has been managing all of the team's



social media pages, including our website, Twitter, YouTube and Facebook (see end of update for the appropriate links). They have also been working to update the website's information regarding the students and mentors.



Upcoming Events

2.16.13 – Suffield Shakedown

2.19.13 – Ship Date/End of Build

3.7.13-3.19.13 – WPI Regional

3.28.13-3.30.13 – Connecticut Regional

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