



FIRST Team Paragon Week 3 Update

Week 3 was very productive for Team Paragon. Now that the planning and strategizing is done, we are able to buckle down and build our bot! Our prototype bot is coming along nicely, and our competition bot is in the works.

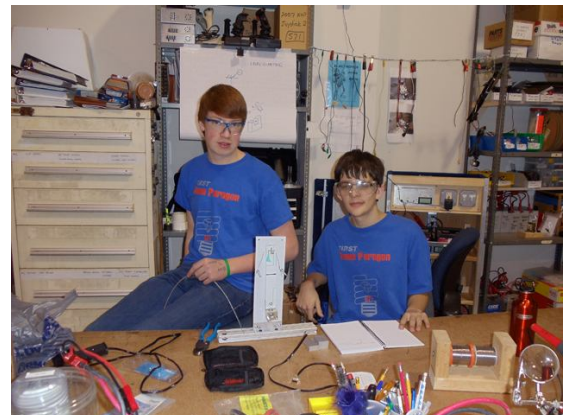
Mechanical

In mechanical, we started building our competition chassis with the painted pieces of aluminum. Earlier this week, we compiled our final cut list for our aluminum tubing. We are continuing to prototype our ball collector, shooter, and our four wheel drive system.



Electrical

In electrical, we put leads on all of our new batteries and motors. With our new batteries charging, we can start working on our wiring and



assembly of our ElectroQuarium. On Saturday we started our auto balancing hardware, which is a pendulum with a potentiometer to measure angles. We will need this for tackling the ramps on the playfield.

Web



Our web team has been working tirelessly to update our website with student information, bios and pictures. Since its re-launch in week 1, they have been tweaking and correcting bugs brought to their attention.

Imagery

Our imagery team has completed our shirt design! They are screening the shirts soon and we also have fleeces, hoodies, patches and hats for sale. If you would like to purchase any of these items, please contact Admin at teamparagon571@att.net Also, we are making buttons for competitions. If you have a button design, please bring a sketch to the Imagery team.



CADD



The CADD team is designing parts to test. The benefit of CADD software is that we can prototype moving parts without wasting materials. We designed an arm to push down the ramp and a ball pickup system to fit in our chassis.

Programming



In the weeks since kickoff, the Programming team has updated all the software on their laptops and the operator interface. They have also been playing with the camera software and using it to target the hoops.

Other Team Activities

This week, we gathered our entire team up to take a team photo. We also named our robot. We decided on Metal-Arc Lemon, referencing the Harlem Globetrotters player

Meadowlark Lemon. We are excited to start thinking of ways to personifying the robot.

Please remember that you are always welcome to visit us at the build site to see your contribution at work.

Look at all those smiling faces! Go Team Paragon!

