The Weekly Roar

5436 CYBER CATS

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Message from Dr. Skedel

The Cyber Cats are quickly becoming a force to reckon with in Robotics competitions in the region in a short period of time! They recently moved into a new workspace at Stoney Creek High School and they are working to become a power house with their great leadership, team spirit, exceptional work ethic, and high quality results. We are proud of our team and are committed to supporting and celebrating their success!

Week 4 Update:

The Business Teams:

Last week, the Business Team continued updating the Business Plan, submitted the application for the Infinite Possibilities Grant and started organizing for the North Hill Science fair. This week, they continued to format the business plan, worked on submitting the Woodie Flowers award, and got a few more new sponsors.

The Imagery Team:

Last week the Imagery Team worked on the team posters and the standard. This week, they finalized the team standard, received our team buttons, and continued to work on the team posters for the pit.

The Photo/Video/Digital Media Team:

Last week the Photo/Video/Digital team continued inputting the mentor and student pictures and profiles into the website, and they started to build a presence on the social media. This week, they made more of a presence on the social media, continued inputting the mentor bios into the website, and put the build photo onto the website. Going forward the website team will continue to update the website with build pictures and videos.

The Electrical Team:

Last week, the electrical team change the polarity of the connectors/ motors, and connected them together. This week the electrical team has configured the electronics on the robot and has assisted the mechanical team and the software team. Once this was done we helped the mechanical team wrap up the chassis.

The Mechanical Teams:

This week most of our work focused on the ball handler. We improved the rollers by moving them to the edge of the frame and adding an aluminum rod running the entire length. This and other changes improved our ability to pull balls into the hopper and then expel them into the boiler. We also started driver training. Most of Sunday was devoted to driver training. On Saturday we started cutting parts for the Competition Robot. Next week Priorities are 1) Drive team continue to practice, identify robot improvements to both hardware and software. 2) Those not on the drive team, help complete fabrication of Competition Parts and assembly of the robot. Our goals for this week: 1) Complete Competition Robot by next Saturday (yes really)! 2) Practice, Practice, Practice

The CAD (Computer Aided Design) Team:

Last week, they updated the parts of the elevator to the new model, and continued to construct the chassis. They also streamlined the design of the PVC caps that are being 3D printed. This week, they redesigned the chassis, and formed a model of the electrical system.

The Controls and Programing Team:

Last week, they set up some computers and finished the robot drive code. The team continues to learn more about programming the robot to do all its functions. This week, they made sure everyone on the team knew how to user the drive system, and looked at a strategy for autonomous mode.

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Kudos

A big shout out to the following students for going above and beyond in helping the team with various tasks.

Sean Miller, Matthew McCardell, Santo Gemellaro, Brian Hwang