

STUYPULSE 694 NEWSLETTER

StuyPulse Team 694 - Stuyvesant High School's FIRST Robotics Team

As Week 5 of build season is finished, Week 6 is also coming close to an end! Team 694 has accomplished so much in the past five weeks, thanks to all the sponsors, mentors, coaches, and alumni who have helped us get this far!

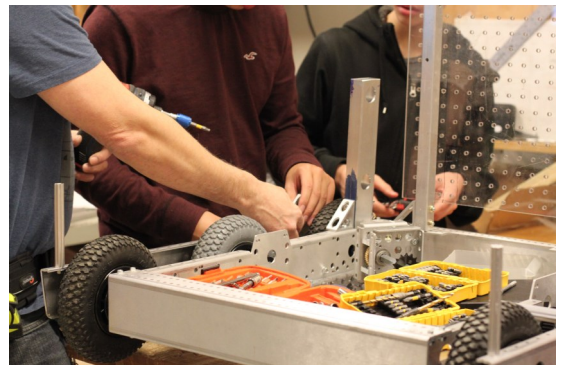
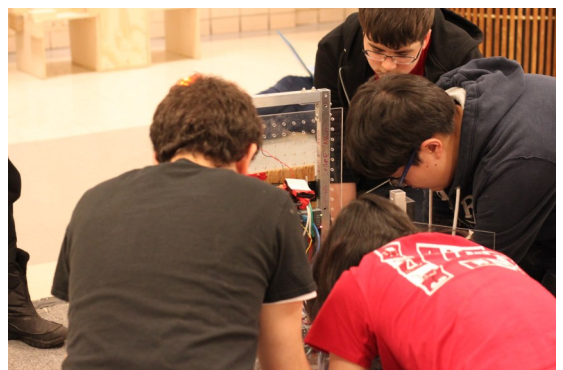
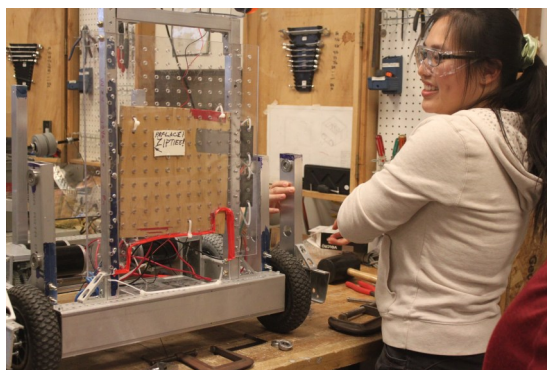
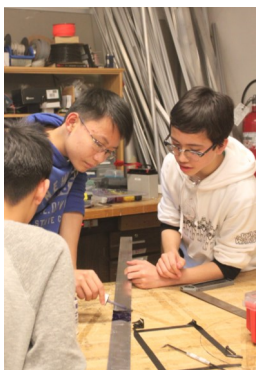
MEETING RECAPS

ENGINEERING

Engineering is almost finished with DESTiny! For the shooter, the outer hood was placed on the robot. A problem occurred with insufficient clearance, so possibly, the shooter will be locked in place, resulting in the inability for DESTiny to shoot layups. Pneumatics and chains will be attached later, and a task list was made so that hopefully nothing is forgotten. For field construction, the modified batters were worked on and the batter attachment for the goal was finished. Also, cabinets for the tool boxes were built with a mentor's help. As for machining, the Jerry rig base mounts and the Jerry rig Raw box axle spacers were milled. Shafts were also shouldered, and triangles were milled. For electronics, the power was wired to the bdp, the motor controllers were attached, and power was wired to the roboRIO. Lastly, the electronic plates were mounted and triangulation pieces were cut!

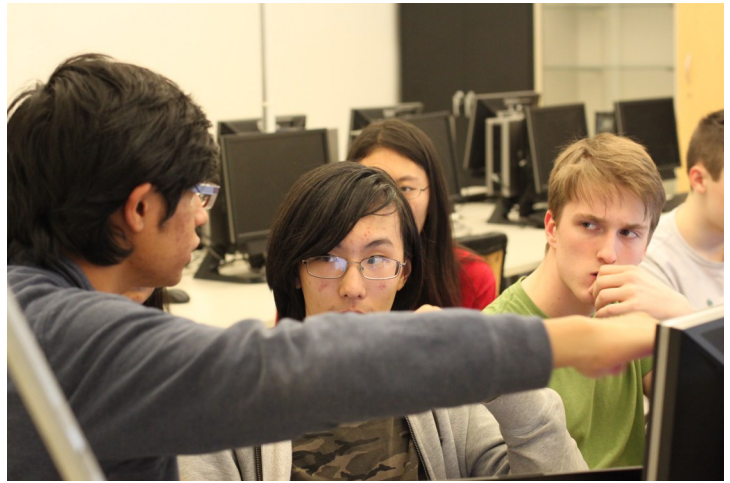


Stuyvesant Robotics



SOFTWARE ENGINEERING

Software Engineering made a lot of progress with the CV and the robot code! As for the CV code, it was cleaned up. As well, the code for DESTiny for interpreting the failure values for times when there is no goal in the frame, and the testing code for testing the aiming algorithm were written. They then tested the algorithm on the constructed goal with reflexite tape on it, and adjusted the thresholds for hsv Thresholding. Lastly, they started to work on the algorithm to aim the drivetrain towards the goal, and feature branches were merged.



MARKETING

Marketing worked on the business plan for the Entrepreneurship Award and submitted it. As FIRST puts it, the Entrepreneurship Award “celebrates the entrepreneurial spirit by recognizing a team that has developed the framework for a comprehensive business plan to scope, manage, and achieve team objectives.” Also, merchandise was continued to be made for the upcoming competitions. In relation to our representation of our team, the press packet was finished and the yearly magazine was worked on, with huge progress made. Lastly, grants were worked on and alumni were contacted, as our team is in need of extra funding.



CONTACT INFORMATION



Stuyvesant Robotics

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Twitter: twitter.com/StuyPulseRobots



ANNOUNCEMENTS

- **Feb 28** --> FTC Regionals
- **Mar 11-13** --> FRC NYC Regionals
- **Mar 30- Apr 2** --> FRC South Florida Regionals
- Military Care Packages Drive ends March 18th

ABOUT US

We are StuyPulse, Stuyvesant High School's award-winning FIRST Robotics team. Otherwise known as Team 694, we seek to impact young adults by cultivating skills in engineering, programming, marketing, teamwork, and leadership through the FIRST competitions. At the same time, we hope to educate and inspire people in our community, both young and old, about the wonders of science and technology.

To read more, visit: www.stuypulse.com