



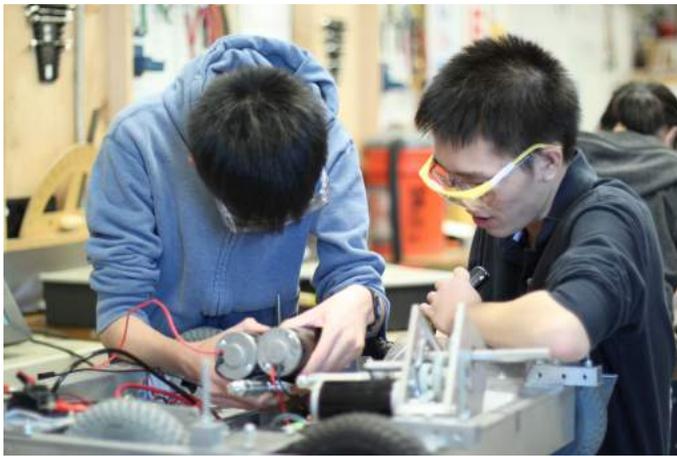
Stuyvesant Robotics

BUILD SEASON WEEK 5 NEWSLETTER



ENGINEERING

Rafael has been assembled and is now in the process of being tested! All of the subsystems; the shooter, blender, climber, and gear mechanism have all been attached to the drivetrain, and the robot is currently in the process of being wired up, attaching both the pneumatics and the electronics. The sonar and camera are also being mounted. The drivetrain was wired and tested, and integration testing and troubleshooting was continued on all of the other mechanisms. There are also plans to reinforce and triangulate every mechanism on the robot, to ensure that it can stand up to the stresses of competition.



SOFTWARE ENGINEERING

This week, members wrote all of the autonomous routines for the robot, and updated the code to reflect some changes in the design of the robot's systems. They also finished programming an Arduino to control and read the RPM of a motor, and completed code to use an infrared sensor to detect when the gear is in the robot and secure it in place. Other members of Software Engineering made a lot of progress on computer vision. They changed algorithms being used to determine the positions of the objects the code sees, which has made the code much more accurate, and have been working tirelessly to tune the code.



MARKETING

This past week, members worked on all the awards: Chairman's, Woodie Flowers, Entrepreneurship, and Dean's List, and the former two were submitted on Thursday. The Marketing team also started preparing for competition by ensuring that the pit structure was stable, reinforced, and ready for another season, and continued making buttons as well, a FIRST FRC tradition. In addition, pictures, videos, and timelapses were taken to continue documenting our build season. Lastly, the marketing team submitted a funding request for the Parent Association's Spring Appropriations.

CONTACT US!

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IMPORTANT DATES!

Last Day of Build Season 2/21

South Florida Regional 3/1 - 3/5

New York Regional 4/6 - 4/9

St. Louis World Championship 4/26 - 4/30

