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WEEK 1 (1/09/16- 1/16/16)

STUYPULSE 694 NEWSLETTER

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



Stuyvesant Robotics

KICKOFF

January 09, 2016

Build season started off great at Kickoff! Members, alumni and mentors all came together in the theater to watch the unveiling of this year's game, Stronghold. After watching the game animation together, we went over the game manual so that everyone would have a concrete understanding of this year's game. Our team, wanting to start right away, formed small groups and started strategizing, making plans for the design for the robot, and setting goals and plans for future meetings. Some members even attended after-session meetings to pitch in ideas and to get a full grasp of what we would be doing and accomplishing as a team into the build season. We can't wait to see what this year's build season has in store for us! Good luck to all other teams!



DEMO AT P.S. 110

January 12th, 2016

On Tuesday, members of our FRC and FTC teams had a demo at PS 110, an elementary school on the lower east side of Manhattan. We introduced them to FIRST by demoing a simple FLL robot made by one of our team members and two of our FTC robots. As well, two of our members helped the students add to the design of the FLL robot using legos. All the students were very engaged interacting with the robot. We hope to return to their school in future to continue inspiring future generations of engineers!



DIVISION RECAPS

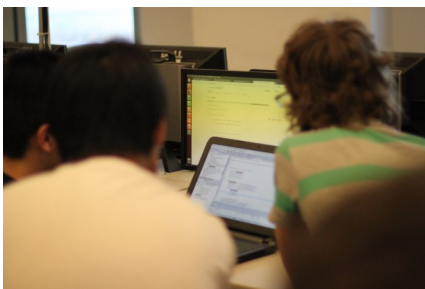
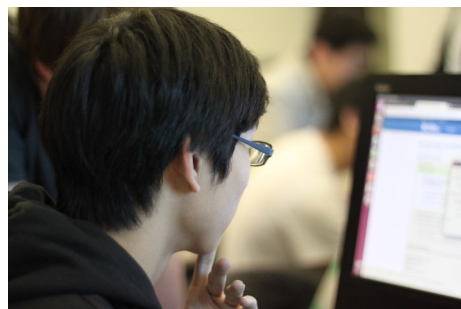
ENGINEERING

Engineering worked on field construction, and started to build various parts of the robot. Specifically, they started to build the drive train as well as the parts of the robot needed to perform the tasks for this year's game. Not only did they start tests on the different parts of the robot to make sure that they worked, but they also optimized several codes, such as the machine code to increase mill-efficiency.



SOFTWARE ENGINEERING

Software Engineering worked with Engineering to discuss what the design for this year's robot should be. They also talked about different game plans to implement using the prototype mechanisms, working on the code framework and the CV code. New members were taught how to work programs needed to control and program the robot. Also, new software was downloaded onto all development laptops, and a few updates to the website were made.



MARKETING

Marketing finished all of the paperwork needed for the upcoming year and started preparing for this year's build season. Award submissions were worked on, as well as the business plan, the branding guide and the pit design for this year's competitions. Planning for the demo at the elementary school was also completed as well as the planning for merchandise for this year.

FIRST Stronghold is the 2016 FRC game. The game is played by two alliances, and involves breaching the opponents' defenses and capturing their tower by first firing "boulders" and then scaling the tower using rungs. Points are scored by crossing elements of the tower's defenses and shooting boulders into the opposing tower's ... find out more at

<http://www.firstinspires.org/robotics/frc/welcome-to-first-stronghold>

CONTACT INFORMATION



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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