

# STUY PULSE



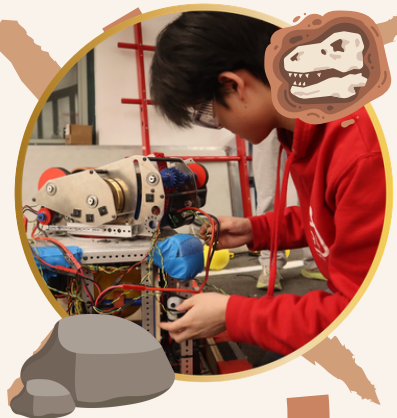
REBUILT WEEK 4  
NEWSLETTER  
[02.1.26 - 02.7.26]

StuyPulse  
345 Chambers Street, New York, NY 10282



## Mechanical Engineering

After getting all the parts for the Alphabet, Mechanical assembled it. We finalized our decision on what our robot will specialize in and refined the CAD. Mechanical also worked on the shooter, hopper, spindexer, and kick spindexer. Furthermore, we planned the specifics for the drivetrain, such as the dimensions and plating the robot. Also, the KitBot, which is used to test controls, has been assembled.



## Software Engineering

Software Engineering started to program the robot, dividing into groups to work on specific parts of the robot, such as the spindexer, turret, intake, and shooter. We tested our KitBot for shooting on the move, continuing to improve its mechanics. Additionally, we tested the logic for our main turret using our mini turret. as well as finalizing our Alphabet.



## Business

As our largest donor, the Stuyvesant PA chose our robot's name. It will be Tribecbot. Business submitted the Woodie Flowers essays for Mr. Blay, David, and Jeanne, and the Dean's List essays for Weifen, Alex, and Nate. We're getting the StuySplash videos ready to post on YouTube. We organized the grant sheet and collected FLR dues. We also ordered materials for pin-making and crocheting and organized the closet.



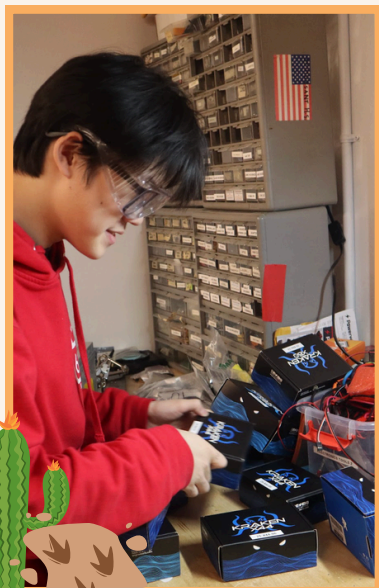
## FLL

StuyPulse members volunteer weekly to mentor students, building STEM skills through FLL. This week, the Girl Scouts worked on Explore Lesson 3 and learned how to code their robots. They learned how their attachments interacted with their robot. Bensonhurst continued to code their robot's driving base and built more missions. At Williamsburg, we started on last's year's game's mission 14 and spent the entire meeting working on it. Robo Pandas from PS94Q requested help from our team to overcome difficulties in their challenge. Our members helped them drive their robot faster and focused on working with them on improving one of their missions. We look forward to working with the Robo Pandas again!

## Online Zoom Meetings

Mechanical Engineering had a meeting over the weekend to discuss the CAD (computer-aided design) of our robot and to finalize its design. Our mechanism leads were in the meeting to discuss how their individual mechanisms will work and fit within the robot. We can't wait to see our robot and what it will be able to accomplish!





**Contact us!**

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**Website:** [StuyPulse.com](https://StuyPulse.com)

**Instagram:** @stuypulse

**TikTok:** @stuypulse

**Facebook:** @stuypulse Team 694

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