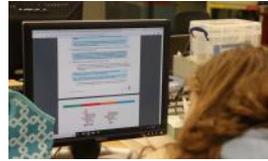


## The Weekly Roundup

WHATS HAS HAPPENED IN THE LAST WEEK



CATCHING UP ON INFORMATION IN THE MANUAL

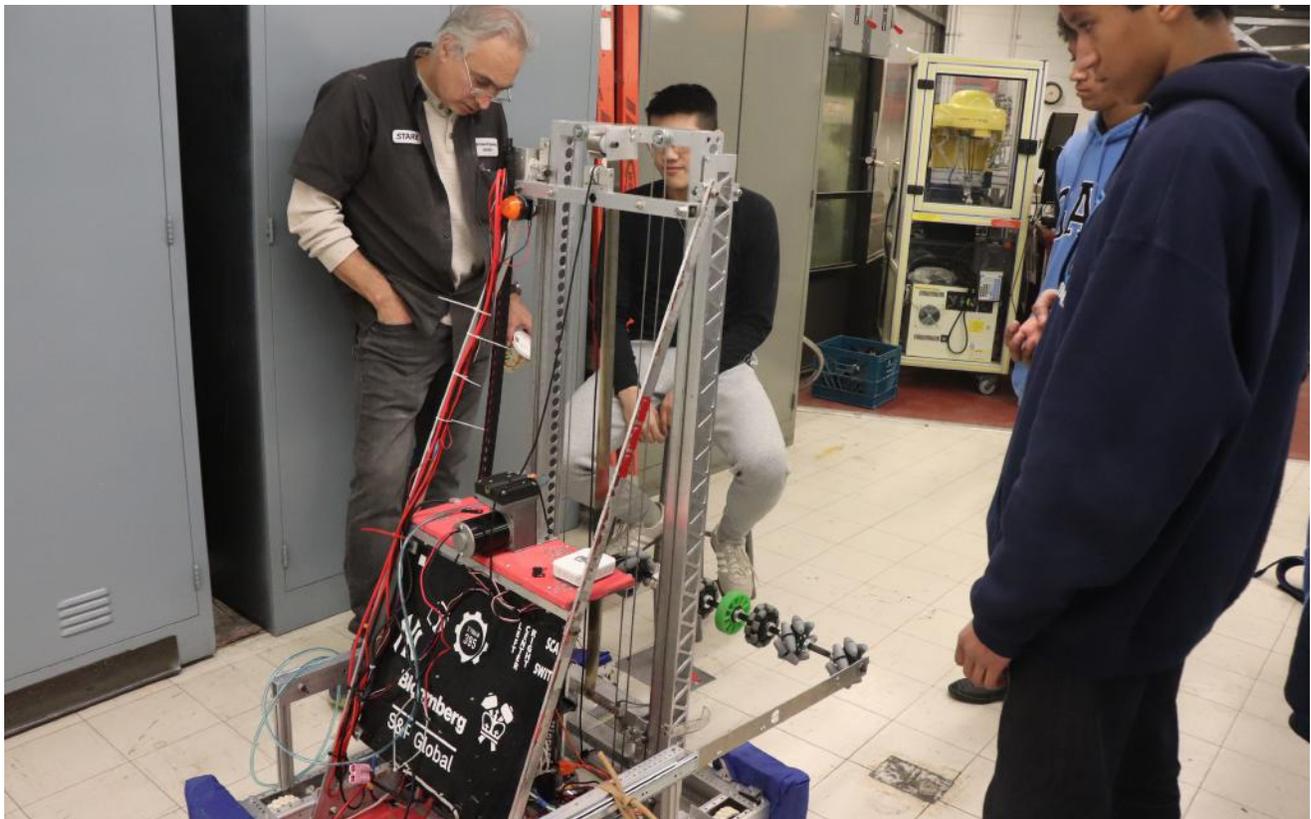


PROGRAMMING TEAM EDITING CODE TO DRIVE THE ROBOT



MECHANICAL TEAM WORKING ON A PROTOTYPE

# 2TRAIN DRIVES INTO THE 2019 BUILD SEASON



## What's In This Edition?

This is week three and four of the build season newsletter. Our Newsletter for week three will also be constructed with information about week four. We will recap what we have completed for the weeks in each sub-team, as well as talk about our future plans for each group. During week three we had an outreach event, on the 23rd of January. A group of 15 students from china came to visit Columbia Secondary School, including its facilities such as the robotics lab.

The Photo Above:

This photo has fellow mentors and students learning from last years robot

## The Weekly Roundup

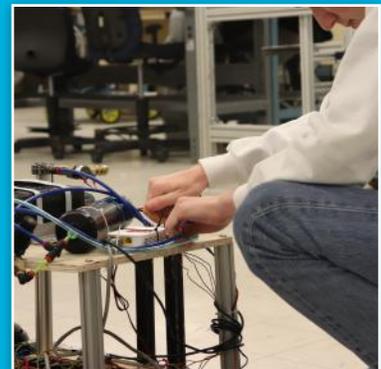
The **media** team has been working on a few things during week three and four of build season. We have been polishing up the essay for Chairman's award, the Chairman's award should be officially completed shortly. The video portion for Chairman's, we are expecting to have the essay for the Woodie Flowers award completed by the end of next week. We have officially nominated who we would like to have this week.

The **fundraising** team is starting to prepare a journal for the 20th anniversary of 2Train. To commemorate this milestone, 2Train Robotics will be holding a luncheon at the Alfred Lerner Hall Party Space at Columbia University on May 4th, 2019, from 12pm to 3pm. If you're interested in attending, please RSVP by April 1st, 2019. If your interested in joining us please RSVP using the link in the About Us section. Additionally, we will be releasing a 20th Anniversary Journal, coinciding with this event. If you are interested in taking out an advertisement in the journal, you can find the journal ad form in the About Us section as well.

The **programming** team has accomplished a variety of things in the past weeks and is actively working on future plans for how the camera will be placed on the robot. During the past weeks, the team has used SparkMAX to have the robot self target, this uses the Limelight that is on the playing field. We want to be able to smooth out the velocity of the robot when moving, a more consistent velocity will help drivers be consistent when driving. Using the Limelight will help us during the sandstorm period, a camera will be put in place to help the robot during this phase. The team is still in discussing how the camera will be placed on the robot.

The **mechanical** team has made a considerable amount of progress during the last two weeks, we'll summarize what progress has been made within this sub-team. During week three the sub-team had completed building the competition chase. The robot can be now driven since we have wheels on the chase. Including the finalized construction of the chase, multiple other things have been prototyped. Such as, the third and final prototype of the of the hatch panel intake and placement had been completed during the season. The hatch panel intake prototype will be able to grab a hatch panel off the floor or the loading bay and be able to place it in the correct height for the adhesive material on the loading dock. Work is also being put in for how we can climb up the platforms

*2Train working in the lab!*



There's only 2 weeks left for Build Season after the release of this Newsletter. All of the sub-teams have been working even harder, things are looking really bright for competitions. As seen the the photos above we are making substantial progress.

during gameplay, a prototype is being developed for doing this process. The work we have completed during the weeks is something that the sub-team is very satisfied with. The active discussion is what the final design of the robot will look like.

## Outreach

On the 23rd of January, 15 children from china came to visit Columbia Secondary School and it's facilities. A few of our seniors from 2Train showed them around Columbia University campus, which includes the lab. In this visit to the lab we explained how build season and FIRST® Robotics work. More specifically, we explained the building process of the robot, explaining the individual tools and how they are used. We also discussed how we are approaching this years build season compared to last season. Before they left, we made sure that all of their questions were answered. We feel as if they learned a lot from the short amount of time they were able to take a look at the lab.



**395**

## About Us

We are a FIRST® Robotics Competition team based at Columbia University and comprised of students from both Morris High School Campus in Morrisania and Columbia Secondary School in Harlem. Team 395 provides students with opportunities to pursue their goals in the fields of science, technology, engineering, and mathematics (STEM). This is made possible by our dedicated mentors and amazing sponsors. We want to build a community here at 2Train, we want you to be involved for the ride. You can contact us using any of the following links.

Twitter) <https://twitter.com/frc395>

Facebook) <https://www.facebook.com/2TrainRobotics/>

Official Website) <https://www.2train395.com>

Youtube) [www.youtube.com/channel/UCIfPWrn7C-w3Kas61GN1zHQ](http://www.youtube.com/channel/UCIfPWrn7C-w3Kas61GN1zHQ)

Snapchat) @frc395

Luncheon Form) [https://docs.google.com/forms/d/e/1FAIpQLSdELQl7b\\_vm-YNDBS8bXGO\\_1-4an7wuY1VilHz9B-Vp8I--ew/viewform](https://docs.google.com/forms/d/e/1FAIpQLSdELQl7b_vm-YNDBS8bXGO_1-4an7wuY1VilHz9B-Vp8I--ew/viewform)

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