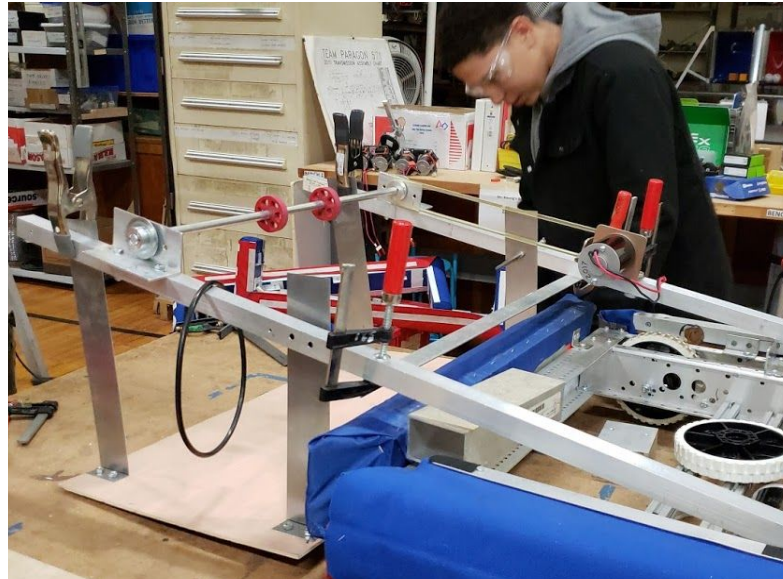
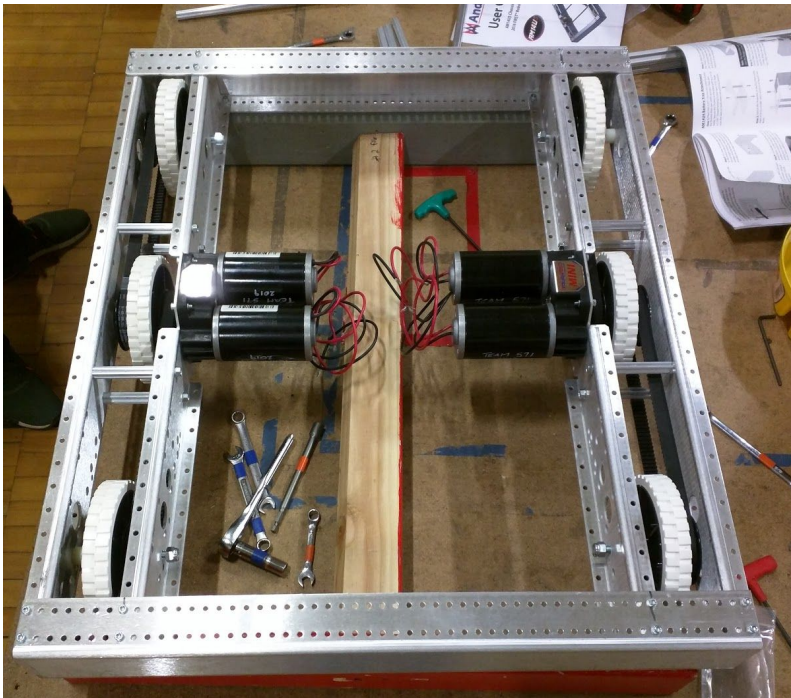




We continue with our mission during the second week of build season. The team continues in the groove of the work schedule and is working on prototyping while simultaneously working on the final robot chassis and working on activities for competition.

Build

The team continues to work on the prototype of the cargo mechanism lifting arm. The arm originally was heavily loaded so we needed to determine a way to lighten the load. We modified the arm with a scoop and roller intake for the front. This made the roller quicker and more efficient for receiving and ejecting cargo. While still prototyping, we began assembling the chassis of the final robot including constructing the wheels and transmissions.

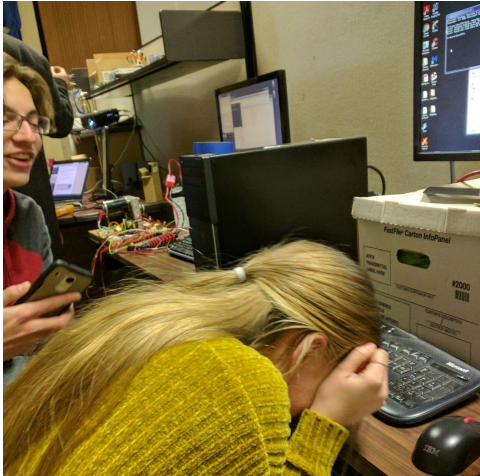


Programming

The Programming team worked on Encoders. Encoders

measure the rotation, direction and speed of the motor. In this year's competition we hope to use encoders to help us know where the arm that will shoot the ball is so we can aim it at the goal to score. In addition we

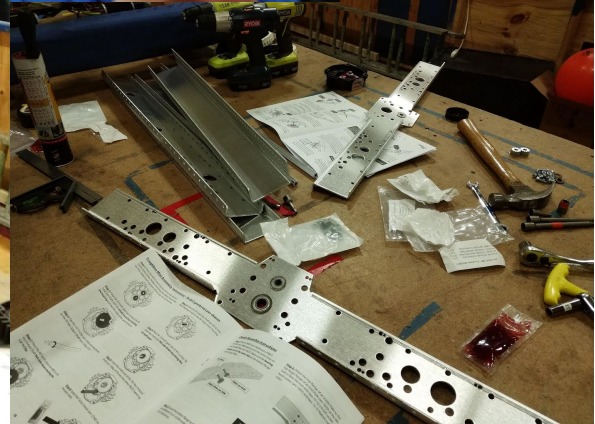
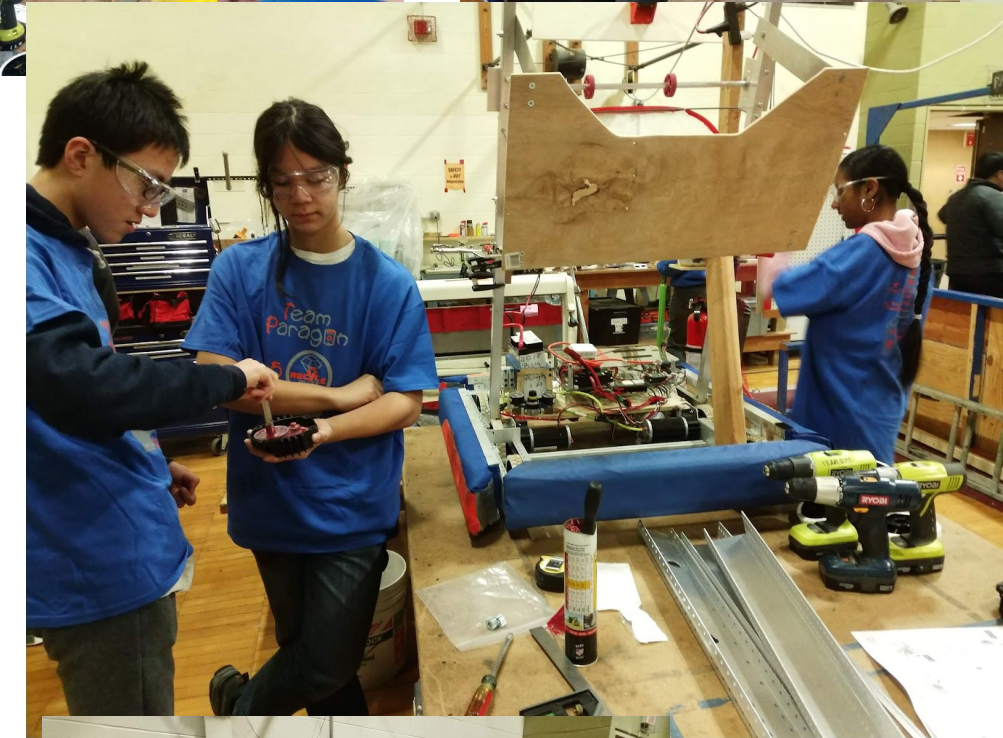
will also use the encoders to find the tune we are driving. We also learned about how to use limit switches so that we don't accidentally damage the robot by rotating the arm too far.



from this. Imagery's version of the I Spy challenge is a representation of each of the different sub-groups and what will we do with each part.



B.T.S.(behind the scenes)



Coming up this Weekend

There is something new and exciting happening at Windsor High School this weekend. Blazing Spirits will be hosting their first FTC Competition AT HOME.

Come down to Windsor High School on Saturday January 26th starting at 9:15 and running until 5:00 and see STEM education in action.



**ROVER
RUCKUS**



Presented By **Qualcomm**

2019 DESTINATION: DEEP SPACE REVEAL

If you haven't already, don't forget to check out this year's game reveal! There's a few new concepts, so see it for yourself and tell us what you think!



Let's Launch this mission!

Tell your friends that might be interested in robotics, STEM or Team Paragon. We love to share our enthusiasm with new students and mentors. No experience is necessary, just a ready attitude to learn and get excited!

Contact us at teamparagon571@att.net

And follow this year's adventures here:

<https://photos.app.goo.gl/p55F3Kfyr0j6GDBW2>

Our meetings are on Monday nights from 6-9pm at 57 East Wolcott St (the former Roger Wolcott School)

For more on Team Paragon visit our website and read our team updates:

Team-paragon.org

For more information and details of the game, here's the game manual:

<https://firstfrc.blob.core.windows.net/frc2019/Manual/2019FRCGameSeasonManual.pdf>

CALEB & HADRI