



MID-SEASON BUILD UPDATE

In a galaxy, just beyond Hartford, Connecticut, is the one and only Team Paragon 571, located in Windsor.



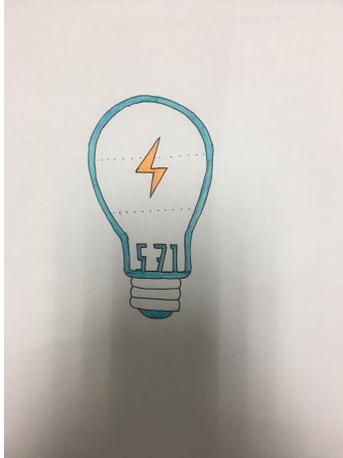
Through these vigorous few build weeks we brainstormed many unique ideas. Examples include wheel hands to help our robot climb and stabilize itself, a conveyor to carry and shoot balls (power cells), and large pneumatic wheels to ensure our robot can drive over bumps. Furthermore, utilizing these ideas, team



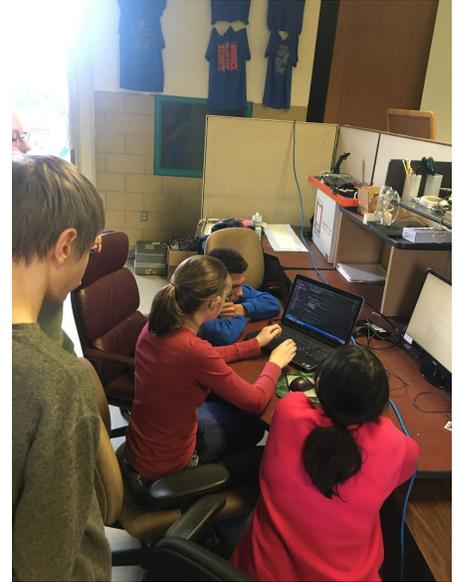
members creatively developed mechanisms that fulfilled such concepts.

Soon we will be able to finish our robot!

Whilst students began constructing prototypes, mentors and students began assembling a practice field. Items built include power ports to score power cells, a shield where robots have to climb and balance, and a control panel which has to be spun in a specific manner.



During kickoff, a flood of ideas came to us not only for the field design but also for the t-shirts. Since then, the Imagery Team followed the Star Wars: Infinite Recharge theme for our competition shirts. We also designed images for the robot, based on the Star Wars theme, to make the robot visually appealing.

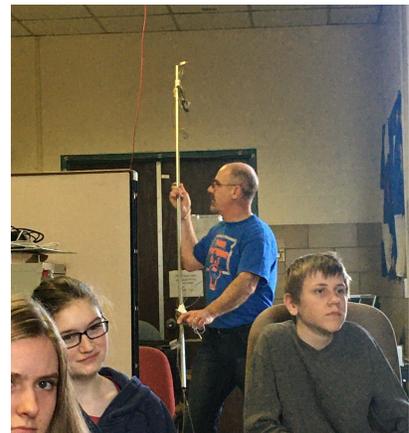
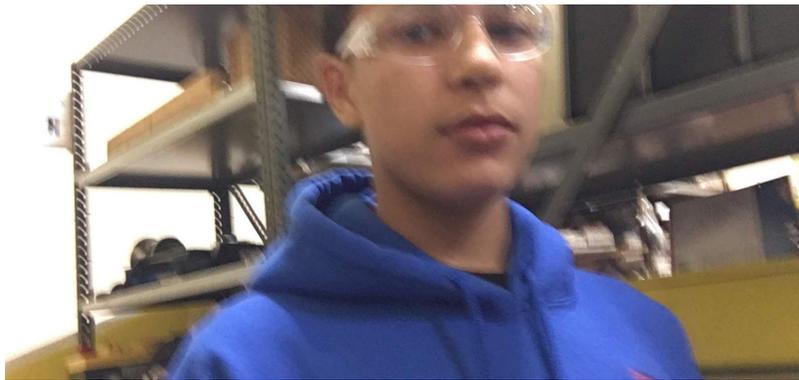
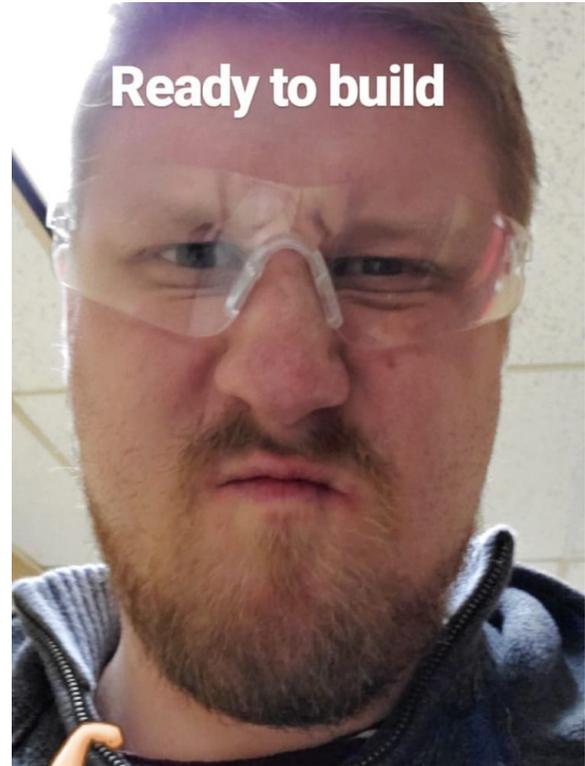


Our Programming Team completed the drive function of the code and the color sensor. We began brainstorming autonomous commands to better our robot, our team, and our alliance. We will soon break ground on the code needed to make the climber, the control spinner, and the conveyor belt.

Last, but certainly not least, is build. Our Build Team worked tirelessly and finished construction on our robot's chassis and conveyor belt. The conveyor belt functions as a way to pick up and shoot the balls to score points. Soon the Build Team will be able to fully construct a climbing mechanism and a way to spin the control panel.



B.T.S. (Behind the Scenes)



Upcoming Events

Competitions:

March 21st-22nd Western New England University, Springfield, MA

April 4th-5th Hartford Public High School, Hartford, CT

2020 STAR WARS: INFINITE RECHARGE

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

And may the Force be with you!



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 on our Instagram:

[instagram.com/teamparagon571/](https://www.instagram.com/teamparagon571/)

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/frc2020/Manual/2020FRCGameSeasonManual.pdf>



JOIN OUR ALLIANCE

INFINITE RECHARGE



GRADES
9-12

REGISTER OR JOIN A TEAM TODAY

We call FIRST® Robotics Competition (for ages 14-18) a unique sport where every kid who plays can "turn pro." High-school student participants call it "the hardest fun you'll ever have." Under strict rules and limited time and resources, teams are challenged to raise funds, design a team "brand," and hone teamwork skills. Participants are eligible to apply for \$80M+ in college scholarships. Teams design, build, and program industrial-size robots to play a difficult field game against like-minded competitors. Volunteer mentors lend their time and professional talents to guide each team. Each season ends with an exciting FIRST Championship.

firstinspires.org/robotics/frc

FREE ADMISSION!!

Please attend and support your team.

GABBY AND OM