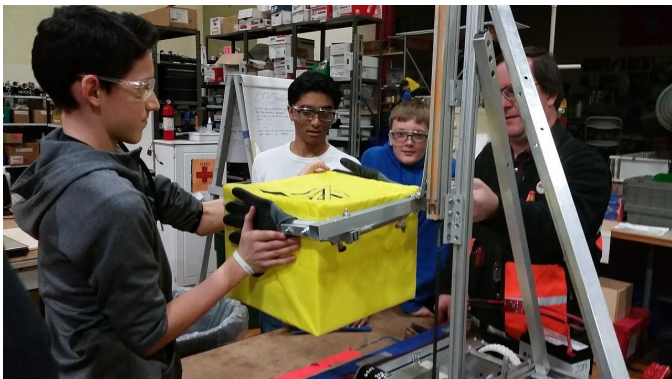




~ WEEK 1 ~

Prototype bot: kit chassis, grabber, elevator

- BUILD -

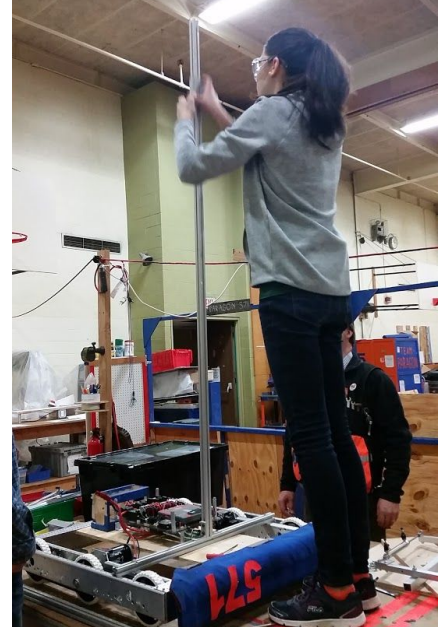


After planning out our strategy for the game, we began prototyping. We put together a “grabber” that uses a pneumatic piston to quickly clamp down on the power cube. Our plan is to attach this grabber onto an elevating 80-20 shaft to allow it to raise up and place the cubes onto the switch and scale.





We ended level 1 by taking apart our stock chassis (robot base) to cut it down to the correct dimensions. Last year we had a couple set backs with said dimensions... involving cutting our robot in half... so we figured the correct dimensions would be helpful ;-).



- PROGRAMMING -



As we build our bot, we've been keeping up with the programming of it. In the beginning of the week, we flashed the RoboRio and Talons to the latest 2018 firmware on both our old test robot, and our new prototype, so we got to watch some pretty loading bars for a good bit!

We also added some basic move methods to the robot code! Because being able to drive your robot is useful!

- PLAY FIELD -



The play field is a mockup of the actual field that we and other teams play on at competitions. The field allows the drive team to practice on the field during build season without leaving the buildsite. By the end of the first level we had built the switch (one of the 3 elements on the field)



-Imagery-

Team members discussed the designs for this year's shirts! Every year we design a unique t-shirt that distinguishes us at the competitions, community service events around Windsor, and at events our sponsors hold throughout the year (like the Otis volleyball tournament). We have a basic idea of our shirt design; next will be the concept on paper to submit to the graphic designer.

We also determined options for the awards we will personally give out to other teams at competitions, which include gracious professionalism, imagery, and engineering. We determine this by assessing teams both on the field and in the pits (where robots are worked on). We have decided on our plan; next we will devise a prototype.

-Time to level up with FIRST Power Up! -

See our kickoff update for more game + planning info

2018 FIRST POWER UP GAME ANIMATION

If you haven't already, don't forget to check out this year's game animation!



<https://youtu.be/HZbdwYiCY74>

Tell your friends that might be interested about Paragon, we'd love to have new students and mentors too. No experience necessary, just a ready attitude to learn and get excited!

Contact us at teamparagon571@att.net

During the build season, we meet:

Mondays, Tuesdays, Wednesdays 6-9
Saturday 10-5 Sunday 1-6

UPCOMING EVENTS

-Suffield Shakedown

February 17, 2018 : Our team will hopefully be taking part in a practice scrimmage with some other teams in the state to practice.

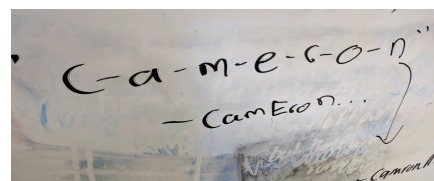
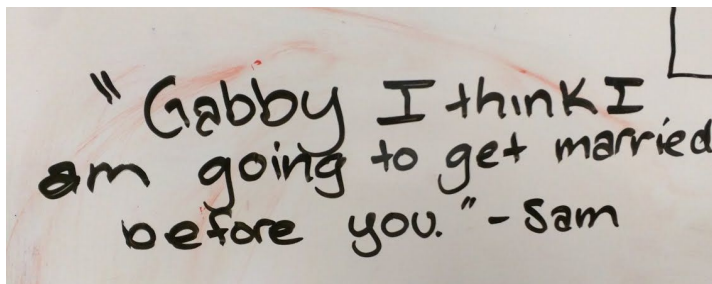
-Waterbury Competition (Wilby High School)

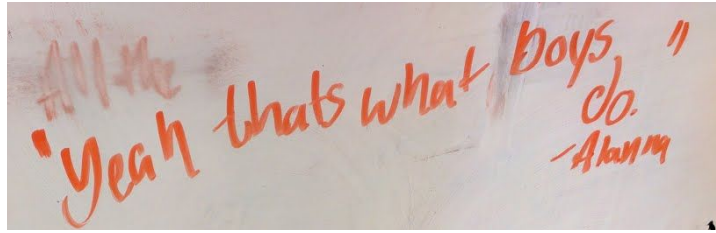
March 9th-11th 2018: First Competition!!!

-Hartford Competition (Hartford High)

April 6th-8th : Second Competition!!!

"Quotes of the Day"





Join our photos album to see everything we've been up to!

goo.gl/photos/3hCD3D8p1bRMx5By8

Alanna and Cameron