



As build season comes to a close, we have been working even harder to complete all details of the robot and perfect coding before bag and tag. With our drive team chosen we will begin doing field testing with our final robot and plan for drive practice.

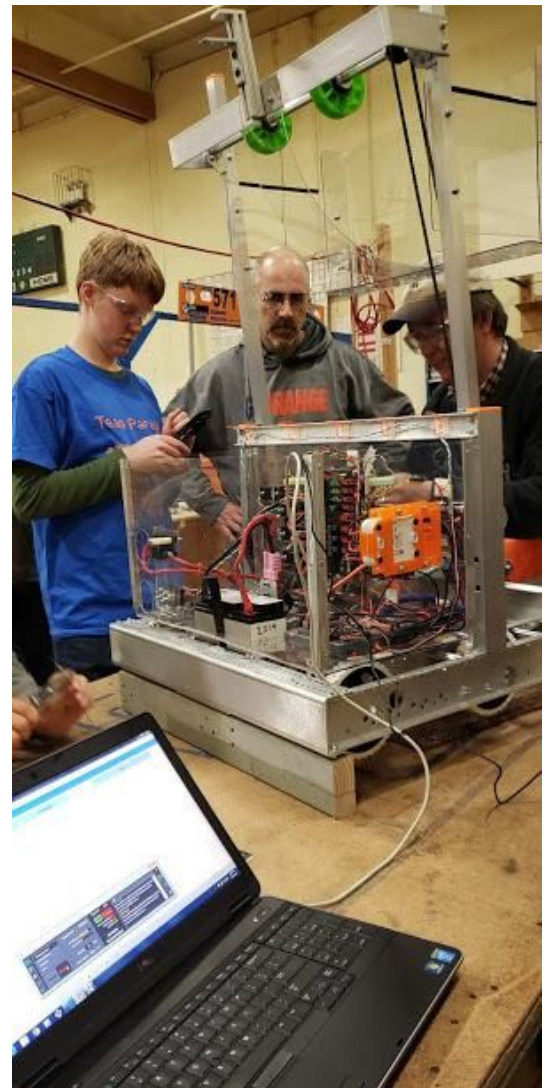
Web

This week Web finished adding the updates to the team website and started “beautifying” the web site while also making it more functional by improving the access of information for users . With all of that work completed, they have started creating the slideshow to display in the pits to showcase the highlights of the robotic season.



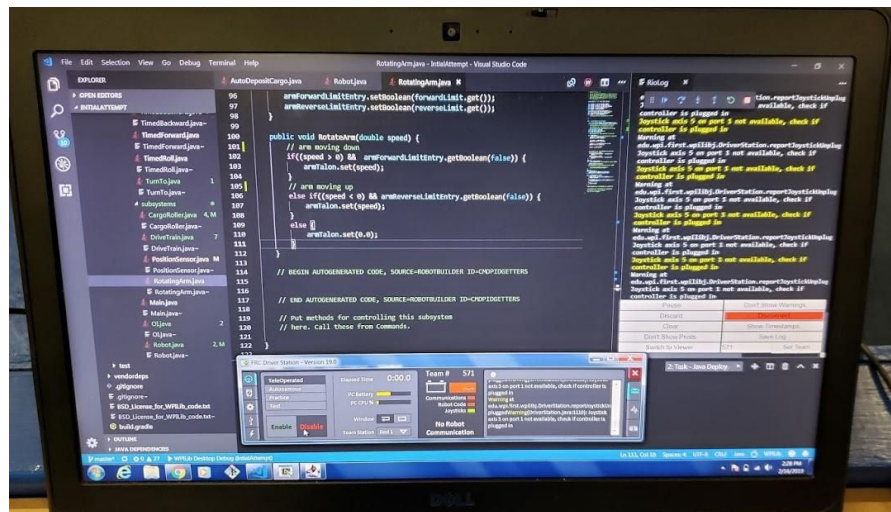
Build

The engineering team first started the week, finishing our Electroquarium. This is where we keep all of our electronic components for easy access. They also tested out the robot with ground control to make sure there weren't any problems and to see what we are capable of doing. Another important thing we added were limit switches to the arm to make sure that we don't lower or raise our arm too far resulting in damage to the robot. We learned from last weeks episode of popping the ball and added a limit switch that would activate once we have a ball in our grasp so we don't spin the intake wheels and pop the balls. Finally, build put LED lights on the robot so we can tell during competition if we are on the red or blue alliance.



Programming

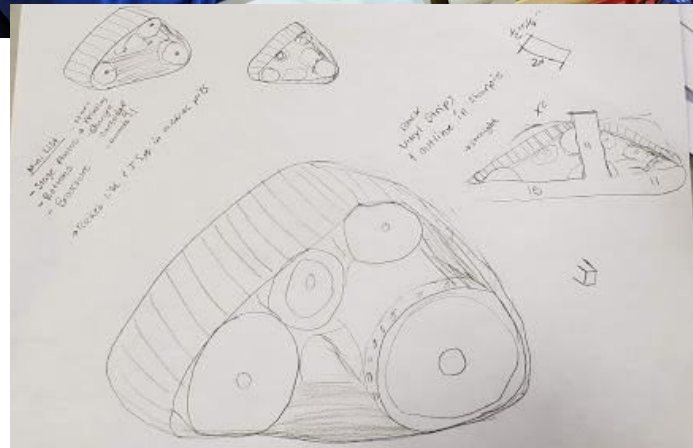
Ground Control worked on programming the autonomous mode for the sandstorm, the first period of the game where the drive team is blinded to what the robot is doing. They also did a test run on the final robot with build. This test helped both build and ground control to know what they needed to fix so, in theory, we won't need to fix anything at the competition. During this trial programming tested both limit switches on the arms and discovered that the bottom limit switch was plugged in wrong. So with this knowledge they fixed that and were able to get the robot running properly.



Imagery

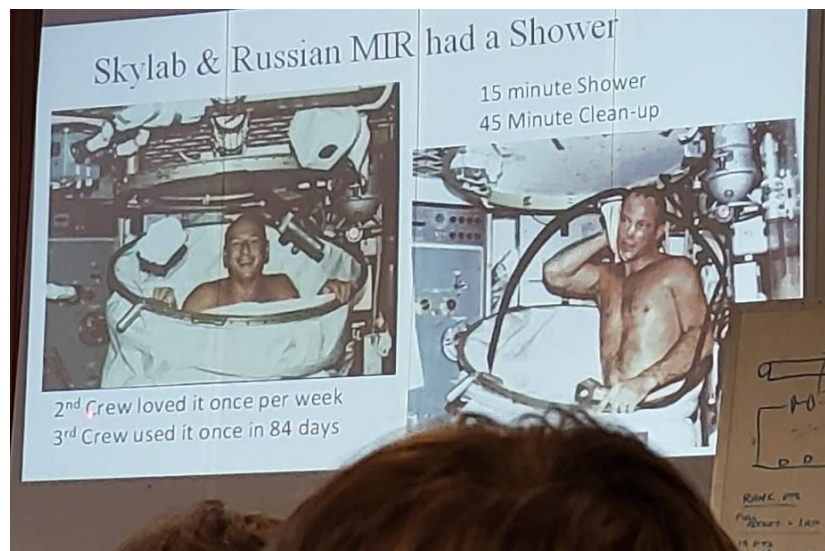
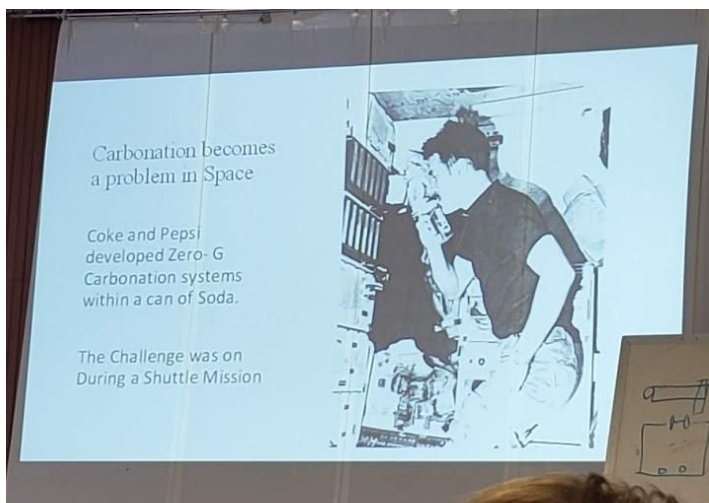
The design team started to put finishing touches on the pit book, where you can find information on the team and the whole robotics season. On Friday, we were able to have the robot all to ourselves to “rustify” the robot by painting the arms, and adding in decals to cover the electro-aquarium. For Saturday, we finished adding on the decals and put in lexan on the sides to make the appearance of treads. Thanks to Mr Boehm we have an amazing head for the robot which will make it very apparent who are robot is. Towards the end of the day, we began painting the head of the robot and created a sample for painting any exposed aluminium.

We finished updating the pit book and began to print out pages. In addition we finished up the I spy brochure activity. We also came up with a new idea to do another I spy activity that involved participants to find NASA shuttles and rockets in our pits.

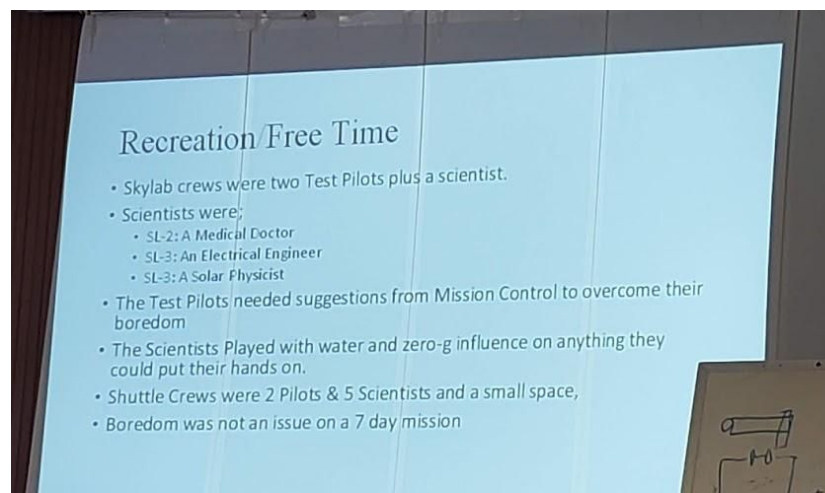
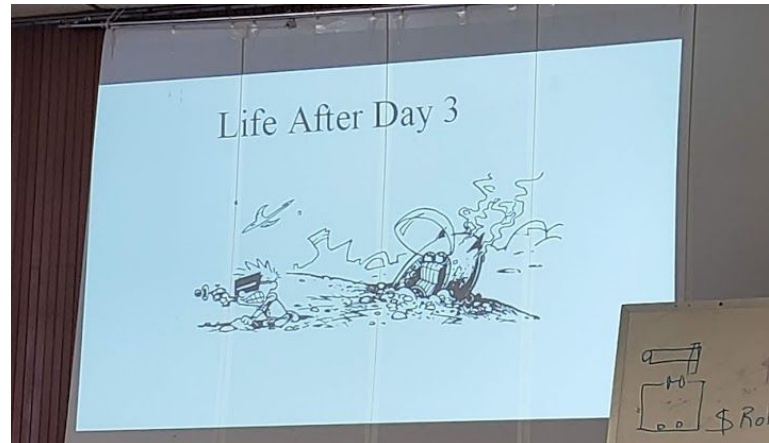


Saturday Discussion

For this week's Saturday discussion, Mr. Boehm referenced back to last weeks discussion and talked about what happens after those first three agonizing days in space. He talked about some of the struggles of sleeping, exercising, eating and other things. In addition he talked about how it took 60 days for you to start dreaming about floating for transportation, instead of walking. He also mentioned how readjusting astronauts would often drop things expecting them to float.



B.T.S.(behind the scenes)



Upcoming Events

- **February 20th:** Bag and Tag Robot indicating the end of our six weeks of Build.
 - #40 a.k.a. Nap time
 - **Competitions:**
 - **March 9th-10th** Waterbury
 - **March 22nd-24th** Western New England, Springfield
 - **April 6th-7th** Hartford
 - #40.... Again

2019 DESTINATION: DEEP SPACE REVEAL

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!



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).

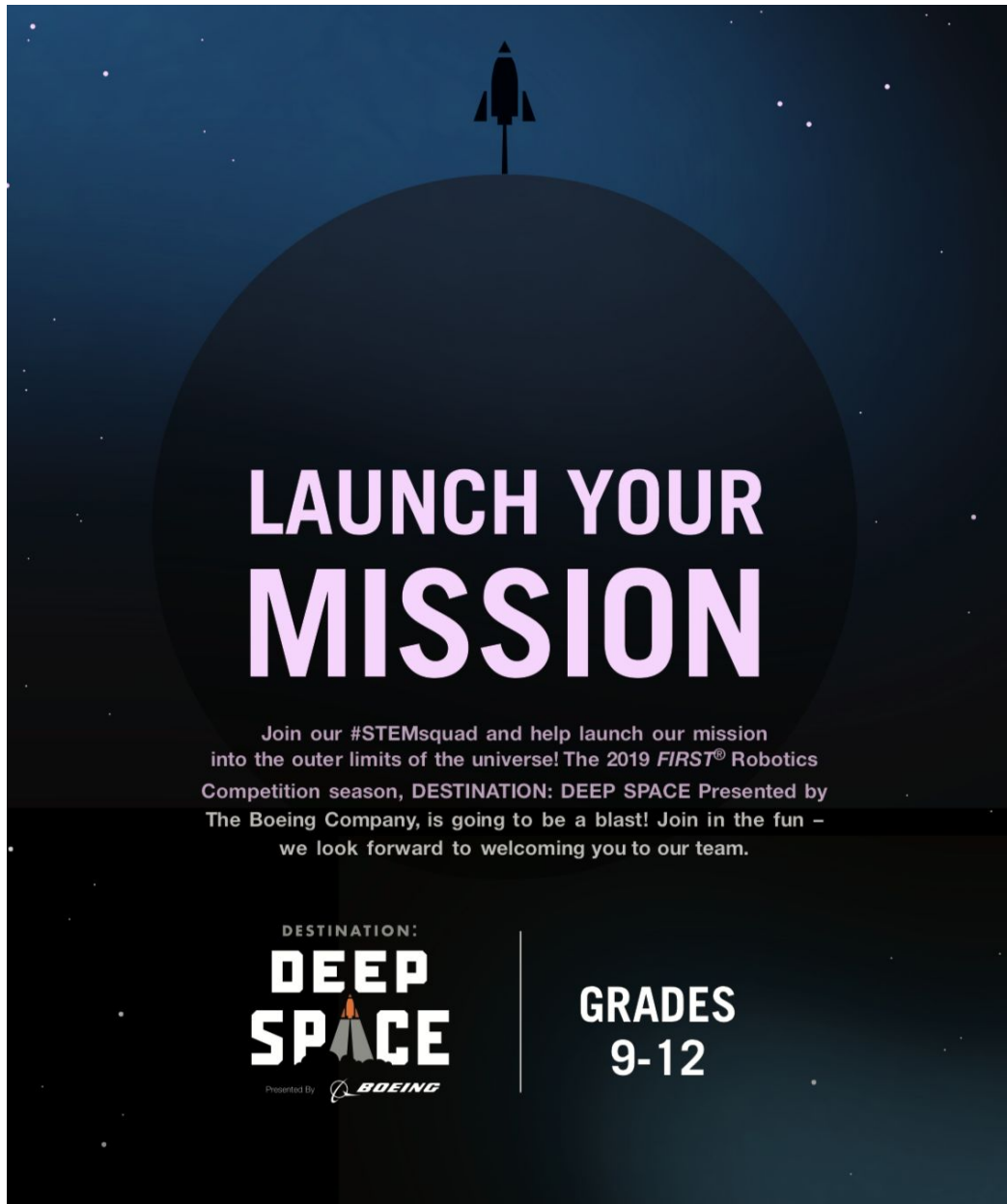
For more on Team Paragon visit our website and read our team updates:

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



NE FIRST Waterbury District Event MARCH 9-10, 2019, 8am-7pm
Wilby High School 568 Bucks Hill Road Waterbury, CT 06704

firstinspires.org/robotics/frc

FREE ADMISSION!!

Please attend and support your team.