September 30, 2022

FOCUS

building (Group 1): Working on Vertical Chassis

building (Group 2): Teaching Chassis

building (Group 3): Making wheel attachments on the lathe

coding (Group 1): Coding learning

business (Group 1): Newsletter, PR packet, and vlog

SUMMARY

building (Group 1): We fixed the motors and finished the next steps in building the vertical chassis. Also, all the motors are now attatched.

building (Group 2): In order to help give definitions to engineering elements and give the new team members some building experience, we started the second chassis and went over elements such as mecanum wheels, gear reductions, etc.

building (Group 3): We need to make metal pieces to insert into the wheel so they can be attached to the robot. Mr. Cox and I streamlined/figured out the process about how to do this. Because it took a while to figure out all of the measurements and processes, we o lay completed one.

coding (Group 1): We researched OpenCV and encoders, and practiced writing some basic code. Some folks looked into some beginner code, and read Alan G. Smith's fascinating novel, Learn Java for FTC. Some other coders worked on expanding the Master Doc of FTC Java Code.

business (Group 1): We sent out our first newsletter to 120 ppl! We also worked on finishing up our PR packet and tried to solidify the 20409 color scheme. Sophia also started working on a youtube video for last week's meeting

CHALLENGES

building (Group 1): The size of the shaft in between the adapter and the motor did not work, so we had to cut new ones that would work with them. We also couldn't figure out the instructions as they were all out of order so we found them online (sent in the slack)

building (Group 2): The screw within was sanded down and we had to get Mr. Cox to drill it out.

building (Group 3): The hydrolic press broke and we had trouble with the materials heating up and slipping

coding (Group 1): We couldn't do the logistical work we wanted to get done today (ie downloads for all new coders)

business (Group 1): We struggled to pick cohesive colors for the PR packet. In the end, we chose to use entirely different colors and redesigned some stuff.

NEXT STEPS

building (Group 1): attach both sides of the chassis and attach wheels!

building (Group 2): Attatch the motors to the sides of the chassis and continue following the instructions to build the basic chassis with horizontal motors

building (Group 3): Make 3 more

coding (Group 1): Start writing code! And keep updating master doc

business (Group 1): Publish youtube video, send out PR packet, start budget proposal, post about GEARS