

# January 6, 2023

whole team

**focus:**

Decorations

**summary:**

We researched decoration ideas to make our space a little bit more homey. We started designing and creating a poster with influential scientists and created a world robot poster

**challenges:**

slight delirium

**next steps:**

continue postering

building

**focus:**

CAD new claws

**summary:**

The previous claws' points of attachment to the servos weren't strong enough, so the claws kept drooping or folding up when grabbing something. We CADed new claws that would hopefully fix that issue, as well as some flats that we will print in a light plastic (whereas the claws will be printed in Ninjaflex) to keep certain faces of the claws rigid.

**challenges:**

CADing honestly just took a while.

**next steps:**

CAD mount for servos that will attach to the arm, print claws in Ninjaflex, print reinforcement flats in normal Z-ABS filament.

coding

**focus:**

Strafing acceleration

**summary:**

Tested the new strafing code after troubleshooting and debugging. Now, the robot can strafe in a straight line with a gradual acceleration, but it doesn't stop.

**challenges:**

Many connection errors and null objects, but we fixed them! The robot doesn't stop because there is no deceleration class.

**next steps:**

Create a deceleration class without jerky movements from big steps.

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***focus:***

Engineering portfolio, judging script

***summary:***

We started on the judging script for qualifiers and worked on formatting both engineering portfolios.

***challenges:***

It was difficult to stay fully on task towards the end of the meeting and finding new ways to be creative with the EP layouts.

***next steps:***

Continue working on the engineering portfolios and finish the judging script.