



Week 3 Catch-up

February 1st

QUICKSTRIKE NIAGARA

TEAM 6978

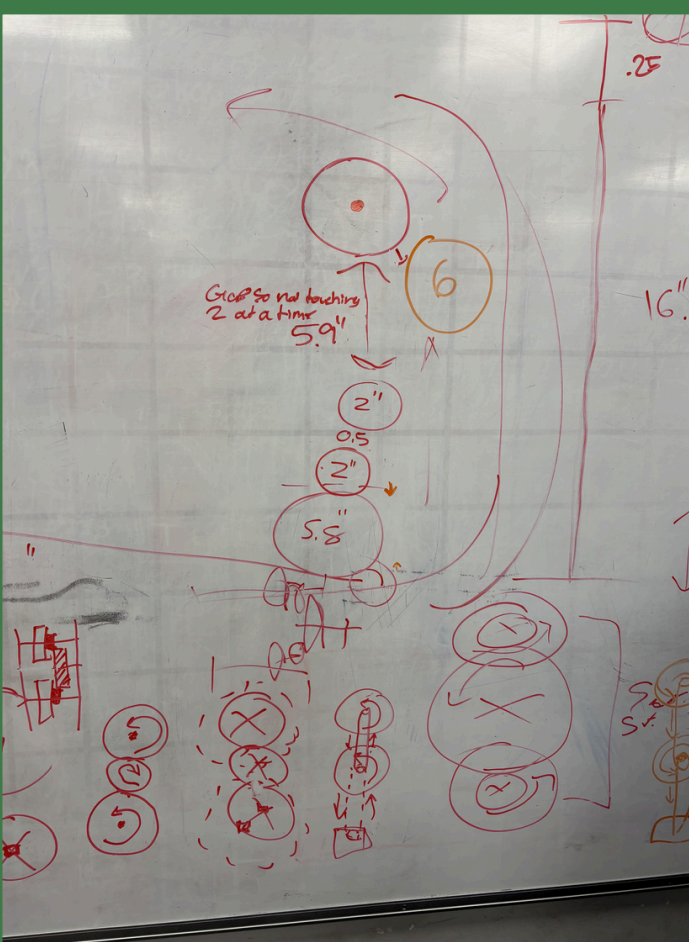
Thank you for all your support of our team! Without your sponsorship, this build season would not be possible. Here is what we have been working on over the past week.

Prototyping

Over the past few weeks, our team has been working tirelessly on creating some prototypes of the designs we'd come up with during Kickoff week. We made a shooter, and subsequently a feeder, based on our ideas and tested it with the field obstacles we'd built. We also built a prototype of the intake to see what tweaks our designs would need.

Designing

Our design team has spent the past few weeks making designs and ideas in CAD for all the primary components of our robot. They first focused on the drive base to get an idea of what the robot's dimensions and overall structure was going to be like, then turned their attention to the intake. Next, they created designs for the hopper, which we would use for storage, and finally, the feeder that leads up to the shooter. Then, they gave all these ideas to the build team.



Building

Our build team has been focused on creating the prototypes mentioned before, making sure that we got an idea of what our designs looked like physically so that the design team could receive feedback and ideas. They've also been working on completing the building of the field obstacles, as well as the hub that we have to score in to receive points. Several of our new students also aided in the building and prototyping.



Coding

Our coding team has been working diligently on programming prototypes and developing the robot's base code. In addition, they are improving our vision system, which uses AprilTags for robot orientation and enhanced odometry accuracy. They have also continued practicing with last season's robot to sharpen their skills, ensuring they are fully prepared when it comes time to implement the final code.