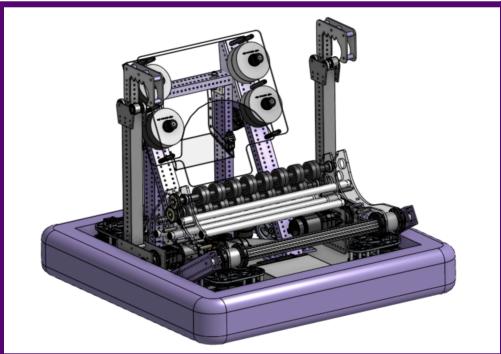


## Build - Week 2 Newsletter

MVRT continued working hard during week 2 of the Crescendo build season, making great strides towards a completed practice bot!



On the mechanical side of the team, members iterated various designs for our ground intake and shooter, and by Tuesday, finalized cadding the robot in onshape. Once the CAD was finalized, members began making parts using CNC routers, the mill&lathe, and 3D printers, and started the assembly of subsystems like our climber towards the end of the week.

Chloe Hung, mechanical lead for the shooter subsystem, is proud to announce that the mechanism for the HP intake has been finalized, and are diligently working towards designing an amp shooter!

Our software leads have been working hard on reprogramming the swerve, and now last year's practice bot and this year's practice bot are both functioning with basic swerve code! Lilja Kiiski, drivetrain software lead, looks forward to "getting field oriented drive working and starting auton" during week 3. Tying the software and mechanical aspects together, the electrical division of MVRT completed wiring our drivetrain and created the electrical layout of where components will go!



Even more, MVRT worked diligently on preparing for awards, specifically the Impact award. The operations team met together to plan out our Impact and Technical binders, as well as design material for our pits, such as the Impact brochures, Impact Pits display for our programs, and boards for our Impact speakers. Our operations team has

successfully also finished the first draft of the Impact Video script!

Our team has made great accomplishments this week, and we can't wait to see what we'll achieve in the next 4 weeks of build. We are ever so grateful for all the mentors, parents, and alumni who have shown their endless support towards us this week. Let's enter week 3 of our 2024 Build Season with an even larger Crescendo!