

Build - Week 3 Newsletter

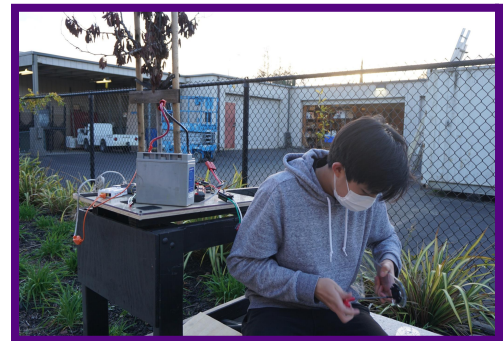
Following the pace of Week 2 of Build Season, members made as much if not more progress during Week 3 towards making our team and our robot ready!

After finalizing CAD the week prior, teams were able to begin working on early iterations of manipulators for our robot.



Over the weekend, groups such as drivetrain, shooter, and intake were able to machine various parts for their manipulators throughout the week, and were testing their first iterations of machined hardware by Wednesday. While some groups such as drivetrain and shooter saw success with minor issues, other groups such as intake are working on revising their designs to improve functionality and reliability.

Early in the week, many of the manipulator groups were able to start testing with motors, sensors, and other electrical components similar to those that will be present on the real robot. With manipulator groups finalizing designs for their specific aspects of the robot, the team began working on planning out the integration of all the different manipulators together.



In addition to the immense progress in the mechanical aspects of our robot, members also made huge leaps forward with software, bringing us closer to being competition-ready. With many manipulator prototypes ready, members were able to begin testing early versions of code and began ironing out bugs.

The team was also able to further develop the Super Scout App, a custom application being built by members of the team to allow us to look at and analyze data from competitions in order to better understand our own robot as well as other robots we compete against.



Operations continued work on the Chairman's video and also continued drafting and revising the Chairman's speech.

As usual, to finish off the week, members, mentors, and parents met for a design review on Saturday, both in person and on Zoom, to go over the work done throughout the week.

The effort of our members this week was immense, and we made incredible progress! Once again we would like to thank our members, mentors, and alumni for working so hard. We are more excited than ever to continue working with you throughout this 2022 Build Season!