

## Build - Week 6 Newsletter

From incredible advancements made in our practice bot and code advancements, our team progresses into our sixth week!



This week, software leads have successfully completed the code for all manipulators! Climber leads have also completed all calculations necessary to reach both the high and traversal rungs. As the manipulators are being assembled, software leads are testing their code to ensure maximum performance out of the practice bot.

For example, the shooter group has been testing their code with their prototype to ensure their calculations are accurate. Their tests have proven that the code works very well with their calculations! We hope to make the same improvements with testing for the climber as well in our next week.



Members continued machining and assembling the manipulators to mount onto the practice bot. So far, the storage, shooter, climber, intake, drivetrain, and turret have been machined. Many rookies participated in this process by cutting metal for the manipulators. Both the climber and intake have been successfully mounted onto the practice bot! Throughout this week, immense testing has been conducted with the

practice bot. Members completed collision testing and drive practice, all while making improvements on the design and code based on the results of these tests!



We truly thank all of our mentors, parents, and alumni for the wonderful feedback and help they have provided. We will continue implementing the feedback on our practice bot, and in the future, on our comp bot as well. We also thank the members of our team for working so hard these past six weeks, and we look forward to joining together once more next week, to complete our robot this 2022 FRC Rapid React build season!