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The Team Newsletter of Mt. Olive Robotics Team 11



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January 13, 2018
Season

Mount Olive High School, Flanders, New Jersey

Build

The Mount Olive Robotics Team is has been working effectively through week one of build season. Everyone is equally excited and ready to take on the game for this year (Power Up). Each subteam has their own goals for each week that they will efficiently tackle and accomplish. Working closely with our plans for week one, MORT has also outlined a precise schedule for the upcoming weeks.

The electrical subteam is hard at work while reorganizing their electronics for the season. The team is working on updating all of the electronics so that they are compatible for 2018 and so they can implement them into their building. They are also creating plans for the type of electrical board that they will making. In order to work on the prototypes, they are cooperating with the programming subteam. Both teams are collectively working on the motor testing while mechanical is continuing to test out different strategies.

As mentioned, mechanical is finalizing the remaining prototypes from the brainstormed strategies. With the collected information from these prototypes, a google forms is made to inform all team members of each strategy and their effectiveness. MORT members then vote on their preferred strategy based on the information given. Additionally, they are working on practice robot parts and making the drive train for this season.

Programming has been working rigorously to help their subteam prepare for competition along with assisting other subteams. Their main goal is to get the driver's station ready for the robot. Programing has

also been working on programing a potential prototype and updatating wpi libs tools for the team. Following updating tools for the team, they are also helping install labview to assist other teams during competition. The subteam has been busy programing numerous different codes such as the intake code, drivetrain code, piston code, and the pneumatics code. Lastly, they have also done a FRC update sweep on the drivers station.

Computer Aided Design (CAD) have had more of a target approach for this week. The team has been working on getting their sketches for mechanisms (conceptual drawings) for the robot out to mechanical so that they can finalize the prototype. They also want to focus on securing the mechanism for the drivetrain. A portion of the the CAD team has been working to start creating a design for the base of the claw.

Overall, the second week of build season was a productive and successful. Every subteam is working together to help one another, but also allowing each individual team to accomplish their own weekly goals. Hopefully by the end of the week, programming will have their drivers station ready and all their codes finished, CAD will send out their drawings Mechanical , Electrical will complete reorganizing and updating all of their electronics, and mechanical will finalize robot parts and continue to work on the drive train. All the team members are ready for the weeks ahead of them and are enthusiastic for competition season approaching.

Thank you to our Sponsors and Supporters. Your support is what gives us the opportunity to grow, learn and become the best that we can be.