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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

As week 5 of Build Season draws to a close we are filled with anticipation. The various subteams finished up their individual tasks, added final touches, and prepped transport for the robot and our team to participate in the competition events. The penultimate week of Build Season has been pretty productive, in the following ways.

Electrical has largely completed their work, and is now working to help the other teams with their own projects. Recently, they finished the dimensional board for the final bot and have sent the board in to mechanical to be integrated into the robot. The electrical lead has been helping out on programming by working on the wiring of programmings practice bot (also called the kit-bot).

Programming has moved past the LED lighting system discussed last week, finishing the connections between it and the limits switch. This week, the moved onto the connections between the drivetrain and pistons that move the bot in different directions. They have also been working on the elevator section and limelight camera code of the bot.

CAD has also largely finished their duties during Build Season, having completed the schematics for the final robot last week. This week, they are sending those final schematics to the CNC, a machine that takes plans and makes them into physical parts, much like the human mechanical members. The mechanical team has received the CADs for the more simple parts of the bot.

Mechanical has had its hands full with turning CADs ideas into reality this past week. So far, they have assembled the drive train, started the elevator and are now prototyping the robots claw. By the end of the week, these parts will be connected to the actual robot by a joint electrical/mechanical team.

Digital Media is busy filming and shooting all the media and PR related subjects that the team needs. Lately, they have been working on two video series called Beta in Bits and MORT Minutes. Their work continues throughout the whole year, so wish them luck.

Business finished the rough draft of their binder this week, culminating the efforts of over half the year. Business has also continued working on the budget spreadsheet, and plans on acquiring a new trailer to carry the robot.

Chairman's has its nose to the grindstone. Binder has been hard at work compiling the best pictures, quotes and essays necessary to show the best from this team. Essay has completed the skeleton of the essay, and is now in the process of editing. PR has sent out Press Releases to over 8 different news organizations, and has compiled this Newsletter as well

MORT looks forward to the challenges of the competition season as Build Season ends. The entire team has wind in our sails. We look forward to being tested in the fires of competition

with the other wonderful robotics teams of New Jersey and the World.

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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.