

FIRST® Robotics Challenge - Week 4

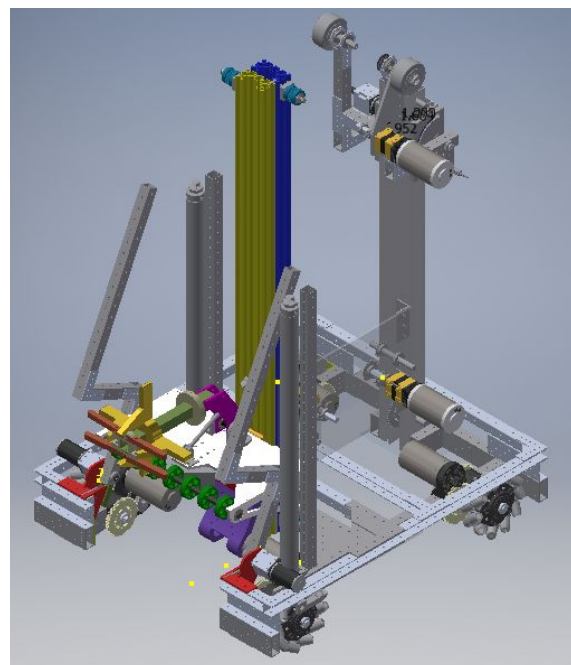


Thank you for visiting us this week for the Open House! We hope you all enjoyed seeing our progress as much as we enjoyed showing you.

This week was really challenging! The weather made it impossible for us to put in the time we had planned for to stay on track to achieve this week's goal: complete building Space Force 1. We were unable to meet on Wednesday or Thursday, but we were able to come in on Friday for a makeup meeting.

This is where the week ended:

- **Lifter:** The final few parts have been sent to manufacturing. The main lifter was assembled on Space Force 1, but needs to be tuned and the motor and constant force spring need to be added to it.
- **Grabber:** Revised parts were 3-D printed and most of the gripper was assembled. The ball gatherer unit was installed on the robot.
- **Stepper:** The CAD model has been revised and the new drawings have been sent to manufacturing. The parts were manufactured and we started assembling it on Space Force 1. We are still waiting on 3-D printed parts and ordered parts to ship.
- **Chassis:** Moon Pie was updated and is now identical to Space Force 1. The lifter was put on Space Force 1 and we started putting on the stepper mast.
- **Camera:** The cameras were connected to Moon Pie and it is now reacting to what the cameras see. Camera mounts still need to be put on Space Force 1.



The Operations Team worked hard to make sure you all got a good feel for how we are using your donations to make this a successful season. In very exciting news, Mr. Greg Allen was kind enough to once again allow us to use some of his commercial space for our practice field. We are sure this will be as beneficial to us this year as it was last year and we look forward to getting moved in!

**Please visit store.victorrobotics.org if you'd like to place an apparel order.
Orders due by February 9th.**

"THE GROUP WORK AND ENVIRONMENT BRINGS MORE ENGAGEMENT INTO THE PROJECT AS WELL AS THE CHANCE TO MEET DIFFERENT PEOPLE."

-TIFFANY DOAN