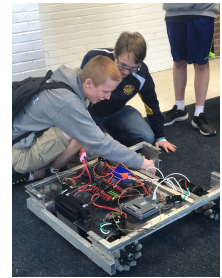


FIRST® Robotics Challenge - Week 2



The week was spent refining and building subsystem prototypes:

- **Stepper:** CAD model is halfway completed, we have some parts and are waiting for others that have been ordered. Ideas are still being thrown around for the part of the stepper that lifts the robot onto the platform.
- **Grabber:** CAD is more than halfway done and is in the process of being refined. A somewhat full scale model of the hatch collector was built to test if the idea was feasible. Parts were ordered on Saturday.
- **Lifter:** A working design is ready and have ordered parts to be able to implement the design.
- **Chassis:** Software has been using Chassis 1 (Moon Pie) to test out the cargo and hatch tracking camera. It will need some revisions so it is the same as Chassis 2 (Space Force 1). Space Force 1 is half assembled - we're waiting on an order of parts. The team tweaked the Moon Pie design for better performance. We are working on designing a shaft encoder to be able to control the speed of each wheel independently.

It was great to see that the teams were able to build working prototypes in just a week. This week the enthusiasm continued. The Field Parts team members have already made the Hab Platform and part of the Rocket. The Cargo Ship is also nearly completed.



The Operations team worked on planning the trip to Ohio for the Buckeye Regional and continued creating a Photo Wall in the Tech Wing. All of the photos you seen in the weekly updates are taken by students or mentors while working during the week. They also finished the team avatar for this season which will be seen during competitions next to our team name:



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

Save the date!

**Our sponsor Open House date for this season:
Saturday February 2nd, 10:00a - 12:00p**