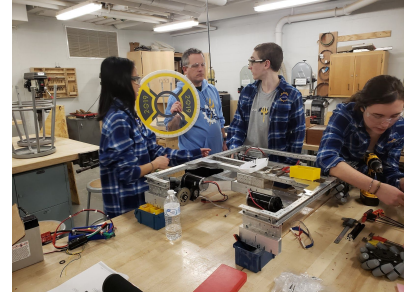
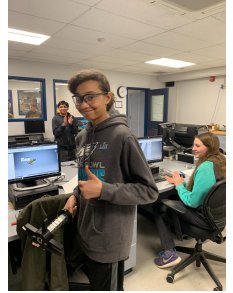


# FIRST® Robotics Challenge - Week 3



**This week's goal: All subsystems ready for assembling.**

- **Lifter:** Parts are in and assembly of the sliders and the belt system has begun.
- **Grabber:** We are getting ready to begin assembling the grabber as well as working out the position to mount it once the lifter is ready.
- **Stepper:** CAD models have been updated to be able to lift the robot more efficiently. Some parts are ordered and some are being made using the 3D printer.
- **Chassis:** Software is busy testing and programming the cameras. The Pixy camera is being used to detect the guidelines on the floor. The other two cameras are being programmed to detect the hatch and the position of reflector tape to place the hatch in the right spot. The team decided to add parts to the Space Force 1 chassis to make it sturdier than Moon Pie and moved some bars to be able to place the lifter in the front. By Saturday the Chassis was ready.
- **Field Parts:** Most of the field parts are made at this point. Cargo ship and Hab are nearly finished. Working on the loading station.



The Operations team is working on preparing for the open house next week and planning the parents meeting. We took our team photo and are working to get last year's robot in shape to show off at the Super Science Saturday.

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**Please visit [store.victorrobotics.org](http://store.victorrobotics.org) if you'd like to place an apparel order.  
Orders due by February 9th.**

**We hope to see you next week at our Open House:  
Saturday February 2nd, 10:00a - 12:00p**

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"ROBOTICS HAS ALLOWED ME TO EXPRESS MY CREATIVITY AND LOVE FOR PROBLEM SOLVING IN A FORM THAT HELPS ME LEARN."

-SCOTT ULATOWSKI