

# First Robotics Challenge - Week 1



## Kick-off!!

We had an exciting start to this season with a trip to Spencerport for the Destination Deep Space official Kickoff. Our team came back to school with lots of ideas and started brainstorming right after lunch. The team decided that the robot needs to be able to pick up both cargo and hatches as well as climb to the top step during the endgame.

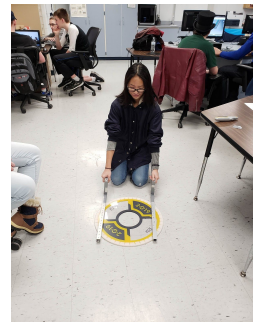


## Week 1

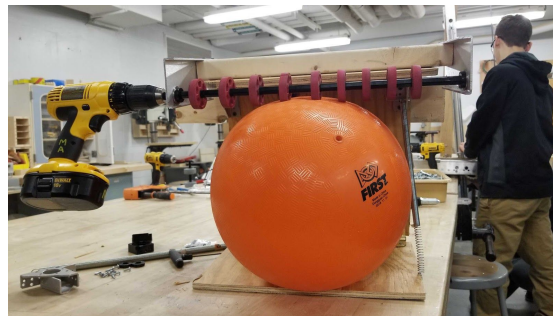
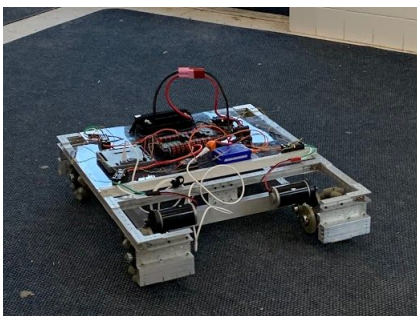
By Tuesday the mentors and the leaders were ready with assignments for the subgroups: Chassis, Lifter, Grabber, Stepper and Camera. The operations team took care of getting the robots named for this season: Space Force 1 and Moon Pie.

The week was spent coming up with and building prototypes:

- Stepper team would like to latch on to the top step and be able to climb up.
- Camera team ordered parts and upgraded the software.
- Grabber Team worked on a ball gripper design and a design for picking up and placing hatches.
- Lifter team built an elevator design prototype so that it is compatible to the Stepper team's design.
- Chassis team had their design ready and manufacturing began making the parts.



In a team first, the chassis team had the chassis built, electrical was able to wire it and software installed the code, giving the team a drivable chassis by the end of week 1! We were able to test out a few concerns the team had with the chassis design by the end of week 1 as well as make some improvements/modifications to the chassis design before starting on the second robot.



The Operations team has gotten off to a great start with apparel designs already complete and the team website is currently open for orders. Please visit [store.victorrobotics.org](http://store.victorrobotics.org) if you'd like place an order. They are also busy working on an Avatar for the upcoming season, as well as planning our away competition in Ohio.

**Save the date!**

**Our sponsor Open House date for this season:**

**Saturday February 2nd, 10:00a - 12:00p**