

## First Robotics Challenge - Week 1

### Kickoff

We had an exciting start to this season with a trip to Spencerport for the Infinite Recharge™ official Kickoff. Our team came back to the school full of ideas and got right into brainstorming.



### Week 1: Brainstorming

Our main focus for the first week of the season was to brainstorm and research possible solutions to this year's challenge. We split up into four groups: Drive Chassis, Power Cell System, Control Panel Spinner, and the Climber.

### What did each sub-team accomplish?

Drive Chassis - Researched different types of drive trains (6 wheel, 8 wheel, and versadrop) and created a few concept CAD designs. We ended up deciding on a Tall robot as this would work best with the needs of the other subsystems.

Power Cell System - Came up with multiple ideas for shooting, intake, storage and aiming. After discussing the whole team, they are beginning to narrow down on what would work best.

Control Panel - Developed multiple ideas for ways to spin the control panel, as well as discussed utilization of a color sensor.

Climber - Created many possible designs that would allow our robot to hang from the shield generator. They got very good feedback from the rest of the team to help with their designs.

