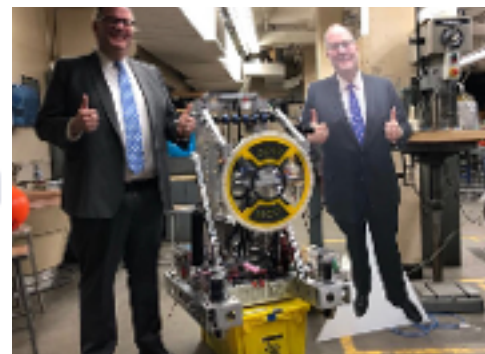
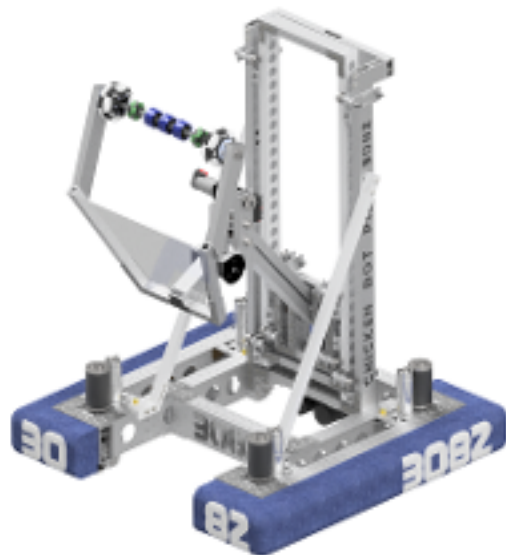


Minnetonka High School Robotics | Team 3082 | Chicken Bot Pie | 2019 Build Season



STRATEGY & DESIGN

Our team's strategy prioritizes scoring in all three levels of the rocket and in the cargo ship. We decided climbing would be second priority to give us more weight and room for our scoring mechanism.

We used swerve for our drive train. These wheels can rotate and move independently, and allowing our robot to move up to 13 ft/s.

Our elevator mechanism is a two stage cascading lift meaning stage one will power stage two through a system of pulleys. This aids in allowing the elevator to fully extend in under a second.

Our intake is capable of manipulating the cargo (large inflated balls) and the hatch panels (plastic discs) in order to score points.

CURRENT WORK



Since the official release of the 2019 FIRST Robotics Competition game, Deep Space, in January, we have been meeting 4-5 days a week. Outside of normal team meetings, we meet with other teams to discuss strategy and design.

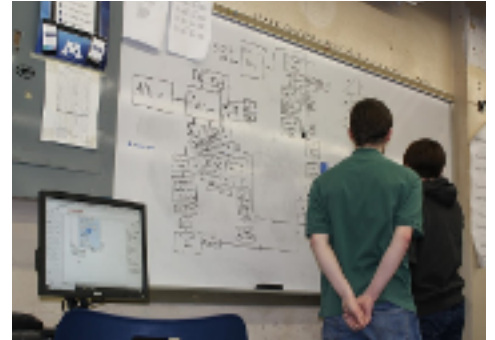
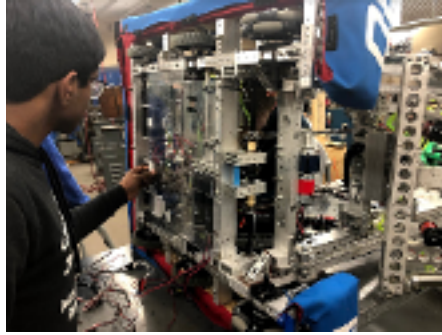
Robot build time is up, so we are busy making final preparations for our upcoming tournaments. We will continue to work on 30 pounds of our robot and excitedly prepare for competition!

We will be competing in 2 regional competitions this year, and hope to qualify for the state and/or world championships!


March 13-16,
Great Northern Regional
Grand Forks, ND


March 27-30,
North Star Regional
Minneapolis, MN


PHOTO GALLERY





Stay updated with the team:

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