



# Great Northern Regional

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

## ONE DOWN, ONE TO GO!

We are excited to share the details of the Great Northern Regional. Our team arrived in North Dakota Wednesday night before the arrival of a major blizzard. After testing and improving the robot on Thursday, we were ready for the qualification matches on Friday and Saturday. Though the competition was tough with many highly-established teams performing their best, we excelled beyond our own expectations. We left with a shiny new award and a renewed hope for our second competition, the North Star Regional, coming March 28-30 in Minneapolis.

## FRIDAY

We were the only team without any losses after the first day of qualification matches and found ourselves ranked fifth overall. The top eight teams at the end of qualification matches become alliance captains and pick two other teams to compete with in the playoff elimination matches. It appeared that we had a good chance to be a captain, so we scrambled to organize a team meeting and put together our "pick list." It was an eventful night, to say the least, and we ultimately emerged with a strategic list of robots compatible with our own.

## SATURDAY

The second day held a few more challenges with an unfortunate mixture of difficult matches, mechanical troubles, and alliance partner malfunctions that resulted in three losses, dropping us to a ranking of fourteenth and out of captain position. Sadly, we were not picked to move on to playoff matches; however, we were the highest-ranked team remaining, so we were the first on the list to sub in if any of the remaining robots were to break down.

One of the other robots did happen to break. We were given forty-five seconds to get on the field as the other team's replacement. It was completely unexpected, and we had to deploy our robot code as we walked frantically to the field. The match was a tie-breaker for quarter-finals. Initially, the end score was 51-51, but our alliance won because we "played a cleaner match." The excitement was astounding, but it was short-lived once the judges realized they miscalculated the other alliance's score, awarding the win to them in the end. Our alliance was thus out of eliminations after only one match, but that single match was enough to boost our spirits. It reminded us that we were there to compete, to learn, and to improve instead of focusing on our losses.

# PHOTO GALLERY








## INNOVATION IN CONTROL AWARD

We did not leave as champions, but we definitely did not leave disappointed. We left with our first official award in the team's history! One of our biggest goals this season was to receive an award at competition, and we were overjoyed to achieve this goal at our first regional. The Innovation in Control award was presented to us in honor of our programmers' feat coding a reliable swerve drive. Swerve is one of the most difficult drivetrains to program, and ours works wonderfully this season after merely a brief introduction to it in the offseason.

The Great Northern Regional was full of ups and downs, but we can confidently say we emerged champions in the amount that we learned and the goals we achieved. We surely would not have been so successful without the generous support of our sponsors.

Thank you for being part of our journey!

Stay updated with the team:

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