



STEMLEY CUP

NOVEMBER 2025

QUICKSTRIKE NIAGARA

TEAM 6978

Thank you for all your support of our team! Without your sponsorship, this build season would not be possible. Here is what we have been working on over the past week.

STEMLEY CUP

Last week, our students participated in the annual STEMley cup, which is an off-season event that we attend to give new members an idea of what competitions are like, and what responsibilities they will have during competitions.



PREPARATIONS

In the weeks leading up to STEMley, our drive team, and any members interested in driving, practiced their skills at our practice field. Our coding team has been learning new skills by re-coding our robot to make it more efficient. Our CAD team has been learning how to design gear-boxes, working to become proficient in it come the new season in January.

COMPETITION DAY

On the day of the competition we won three of our qualification matches, and were chosen for the second alliance. We competed in the playoffs until we were eliminated in the semi finals, finishing in 15th overall. We tried lots of new things, giving members the opportunity to try different roles, such as letting members work as Human Player and Technician. During our matches we found that we had an issue with our autonomous code that would render it difficult for us to get points during the Teleop period, so during our playoff matches we prioritized Teleop and did not run our autonomous code.



NEXT STEPS

In the following weeks we will be preparing for the new season by re-coding our robot to have a base system for the new season, so that we can focus on programming specific tasks for the new competition. We will be switching our coding language from C++ to Java, and our drive team will be practicing using the LimeLight (which is used to read April tags) so that we are proficient come January. Our CAD team is going to be practicing making gearboxes and designing an arm for hanging.