



WCS

SUPERPOSITION

#25929



Sponsorship

PORTFOLIO

Sept 2025

Our team & FIRST

About Us

We are WCS Superposition, a FIRST Tech Challenge team founded in 2024 at Westmount Charter School. Our goal is to bring a meaningful robotics based STEM experience to students, regardless of background.



Our School

Westmount Charter School based in Calgary, Canada, is a K-12 specialized school for gifted students. It provides an enriched and challenging curriculum that supports creativity, critical thinking, and innovation.

About FIRST

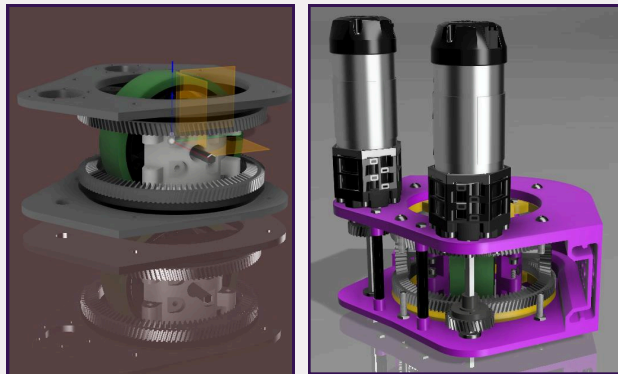
FIRST is an international non-profit STEM organization that runs a multitude of global robotics programs. In each program, teams compete to design and build a highly qualified robot, and be models of gracious professionalism. Gracious professionalism is the ethos of all FIRST competitions, and encourages teams to help one another, and bring about a better community for everyone

Season Highlights

Team success over the previous season and the following off season

Robot design & Awards

Throughout the 2024 FTC season, our team has constructed four different robots, each increasing in capabilities. Our final bot, demonstrated of what we were truly capable of: giving us a runner up **inspire award** (the general excellence award)

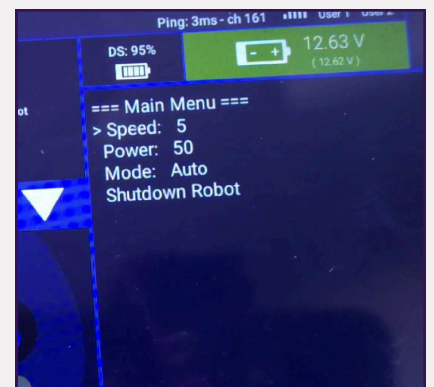


Swerve Modules

We wanted to develop a system of movement that was feasible, functional and “meta-breaking”. This led us to developing **one of the smallest swerve modules in FTC history**; soon to be open source.

Community software

We’ve started developing game changing software oriented towards newer teams. Our first library (TelemetryUI) was published with overwhelming support, with over 10 teams downloading and testing it.



Our previous season proved that we could reach for the impossible. From last minute successful bot builds to software that many teams have downloaded, we know we can reach high. This is why for next season, we plan to reach **even higher**

Season Goals

We aim to stretch 10x further than we did last year, with our end goal getting to FIRST championship.

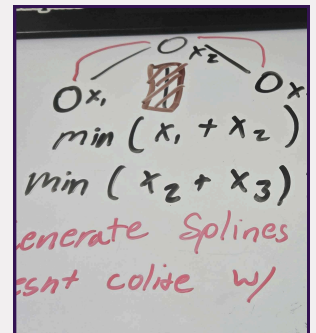
Team Development

This year is crucial, since our team lead will be moving on from the team, therefore we must work on passing leadership along to younger students. To do this we plan to host events, hold open house nights and expand to an FLL team.



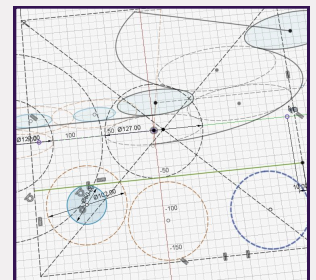
Community software

This year we plan to put an emphasis on developing software that helps other rookie teams through their struggles, while giving more flexibility to experienced teams. This means expanding DAB and building new libs.



Pushing hardware limits

This year we plan to put another emphasis on hardware development, making novel, and well working mechanisms that allow us to score higher than thought possible.



We (as a team) always aim to push higher and higher than before. Our team slogan “if it’s impossible, do it anyway” pushes us to do things that were never thought possible

Our end goal for this season specifically, is to get to FIRST championships (the highest advancement lvl)



Sponsorship Details

General details

All sponsorships will be recognized by being tagged in social media posts, as well as being offered brand placement mentioned on the tiers.

This season, we are raising **\$20,000** for specialized parts, manufacturing equipment, organization, and more (see: parts & projects for details). We thank you for your consideration and support.

Sponsor tiers

Bit tier - (\$500 or less)

- Brand placement on portfolio + team banner (if available)

Qubit tier - (\$500 - \$2000)

- Brand placement on T-Shirts, team banners (if available) and portfolio

Schrödinger tier - (\$2000 - \$6500)

- Brand placement on T-Shirts, team banners, portfolio and team repositories
- “Backed/Powered/Presented by [company]” in all listed material

Singularity tier - (\$6500+)

- Brand placement on the robot, as well as T-Shirts, banners, portfolio, team documentation and repositories (and any additional materials)
- Backed/Powered/Presented by [company] in all listed material

Parts & Projects

Our goal is to raise \$20,000, with the money going towards the following projects / parts

Computer Vision System

An advanced camera system, including the limelight 3a and multiple fisheye cameras to run more advanced autonomous systems



Storage system and team organization

Durable and extremely portable storage for our electronics, components and tools while outside our workspace

Top Tier Drivetrain motors

New SWYFT Spike motors to power our drivetrain, giving us a 40% increase in movement power



3d printing / manufacturing

Bambu labs printer along with metal manufacturing equipment so we can pursue more advanced robot construction

Along with these, we want to purchase CNC parts, replace old / broken parts, create team decorations and team materials (such as new T-Shirts) and have the ability to purchase a field kit for the current and next season.



**“If it’s impossible, do it
anyways”**