



# GIRL POWERED

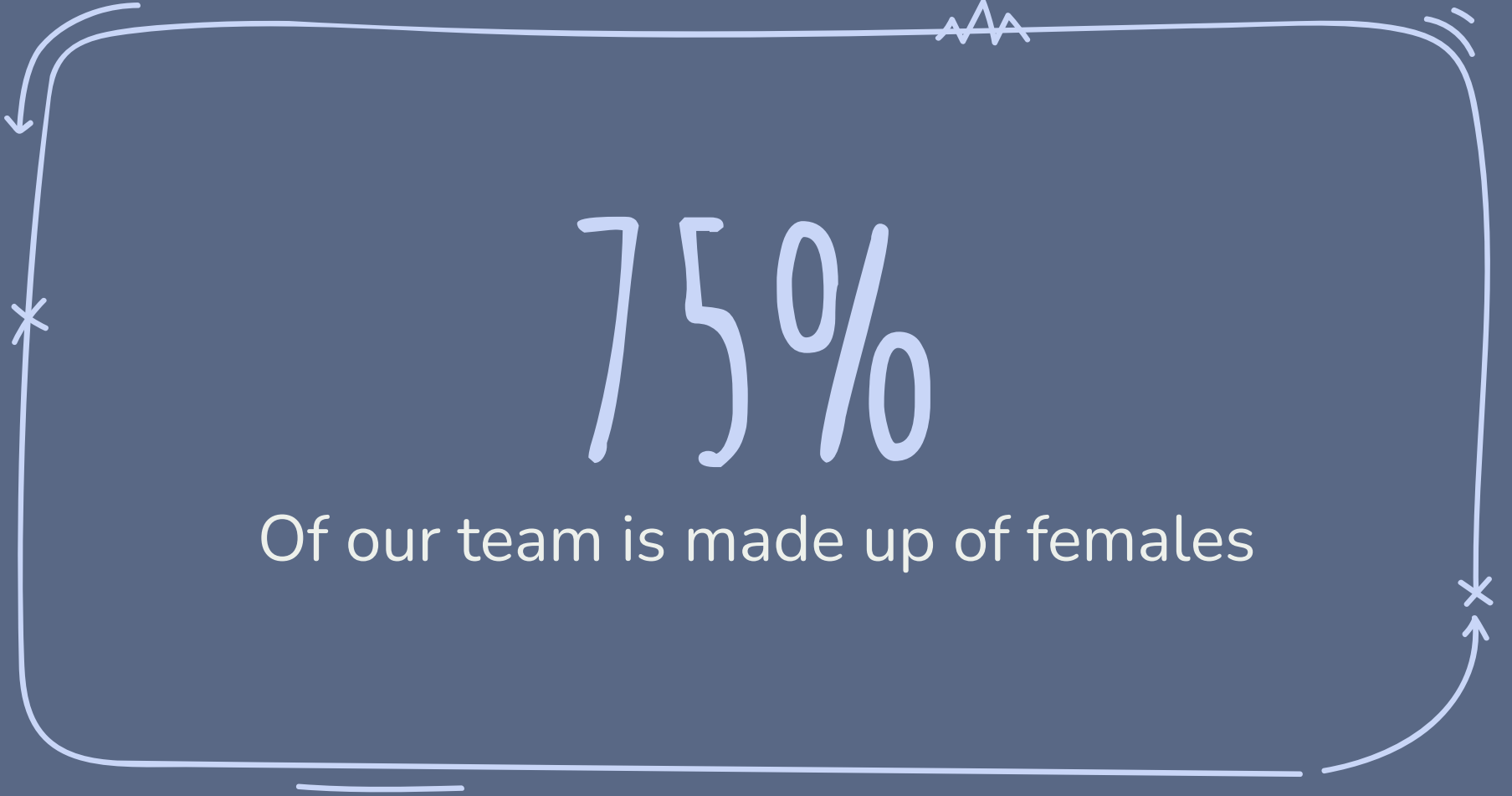
"CHANGING UP" THE GAME

55885Y

# OUR TEAM

Consisting of a multitude of  
**committed, self-motivated**  
young students





75%

Of our team is made up of females



JENNY

Notebook lead, main  
builder, and historian!



JANIE

Coder, builder, and entry  
writing for the notebook!



CHRISTINA

Treasurer, builder, and  
entry writing!



GRACE

Notebook beautifier and  
robot builder!



JESSICA

Avid builder and entry  
writer for the notebook!



MELODY

Driver trainee, builder and  
entry writer!





MARIO

Vice president and big  
brain builder!

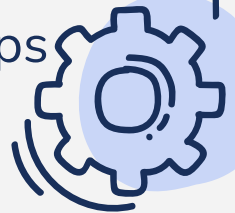


JAKE

Coding genius and builder  
of our robot!

## WHAT DOES "GIRL POWERED" MEAN?

Girl powered means **striving for equal opportunities** for all genders. It also means being confident in a male dominated field and not being afraid to step up. Being girl powered not only means standing up for yourself, but also **encouraging and supporting** other girls! Our team was started to create an **inclusive** environment for every gender. Although our team focuses on giving girls a voice, we also aim to be more inclusive for **all** underrepresented groups in STEM.





# INCLUSION



Our coach is an inspirational female teacher that **motivates and encourages other young women** into the fields of STEM

This year, many of our robotics female members were drawn into the new **Girls Who Code** chapter at our school, giving them more exposure to coding and programming

# VARIOUS ROLES

## Building

Majority of our girls began with only screwing parts in to discussing with other team members about how to fix the slant of the frame with L-channels.



## Programming

We applied our knowledge of **Java**, **C++**, and **Python** into the wonders of VEX coding. With the help of former coders, many girls decided to pick up learning coding for the robot.



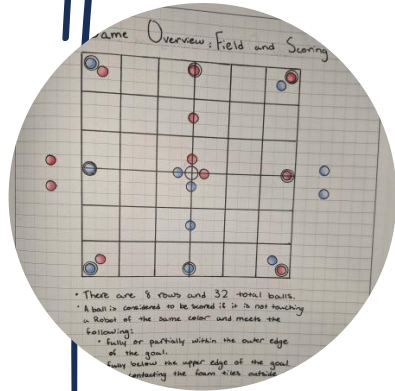
# VARIOUS ROLES CONT.

## Designing

All team members contribute to the **design process**. We begin our design sessions by discussing how we could improve the robot and end with writing down these ideas in the notebook.

## Driving

Drivers bring **life** to the robot. Drivers are usually chosen after building and coding roles are nearly finished for the season.



## DIVERSITY

- x With our different backgrounds and perspectives, many **unique and inspiring** designs are suggested allowing us to build onto each other's ideas.
- x Our team chemistry allows us to have **fun** while being **productive** on our robot -- many meetings we poke fun at each other!
- x The diversity within our team spurs innovative ideas which leads to **more success!**



## PROGRESSION AS TEAM

FTC

At the beginning of last year, our team was still figuring things out, with FTC. **The initial experiences were tough**, as we had no instructor or material, adequate materials, or money. In the end, we decided to shift over to VEX.

1ST YEAR

Transitioning into VEX we had a lot of **help from the other teams** and quickly got a robot started. Though we made many changes to our original robot, we ended the year with a product that we, as a team, were **proud** of.

NOW

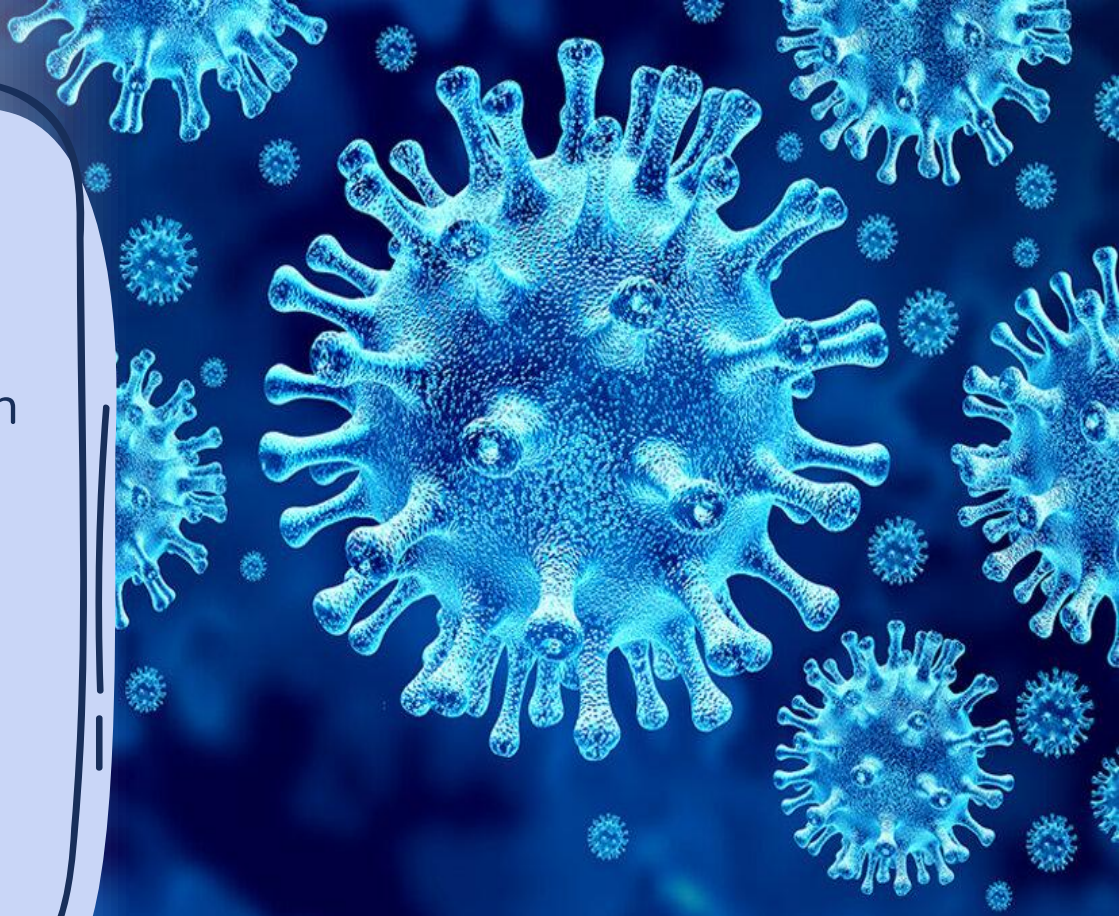
With COVID-19 we hold **meetings over Discord or Google Meet**. One main person holds our robot and works on building it. With not being able to be there physically, many members are helping out by **writing and completing grants!**





## COVID-19

Despite the struggles with COVID-19, our team pursued our interests in robotics virtually, through **online meetings, division of group work** and **meeting in person as much as possible.**

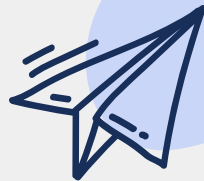






## WHY MRS. LOZANO IS OUR ROLE MODEL

- X Mrs. Lozano is a **strong female figure** that many of us girls can **look up to** and strive to become
- X Because of her **vast knowledge and experience in STEM**, we are able to seek assistance whenever faced with challenges





You should always work at adding tools to your toolbox. Whether it is public speaking, writing, programming, using a power tool or figuring out how to work with difficult individuals. One should never shy away from a challenge but instead embrace the learning that allows your tool box to be as full as possible at the end of each day.

-Mrs. Lozano

# CREDITS!

Entrants:

Mario Sumali, Jake Kasper, Jenny Xiong, Janie Xiong, Christina Shou,  
Grace Kang, Jessica Tran, Melody Yeh

Team Number:

55885Y

Title:

“Changing Up” the Game