



# Girl Powered

**TEAM 33172D**

By: Camila Maneiro

# Girl Powered

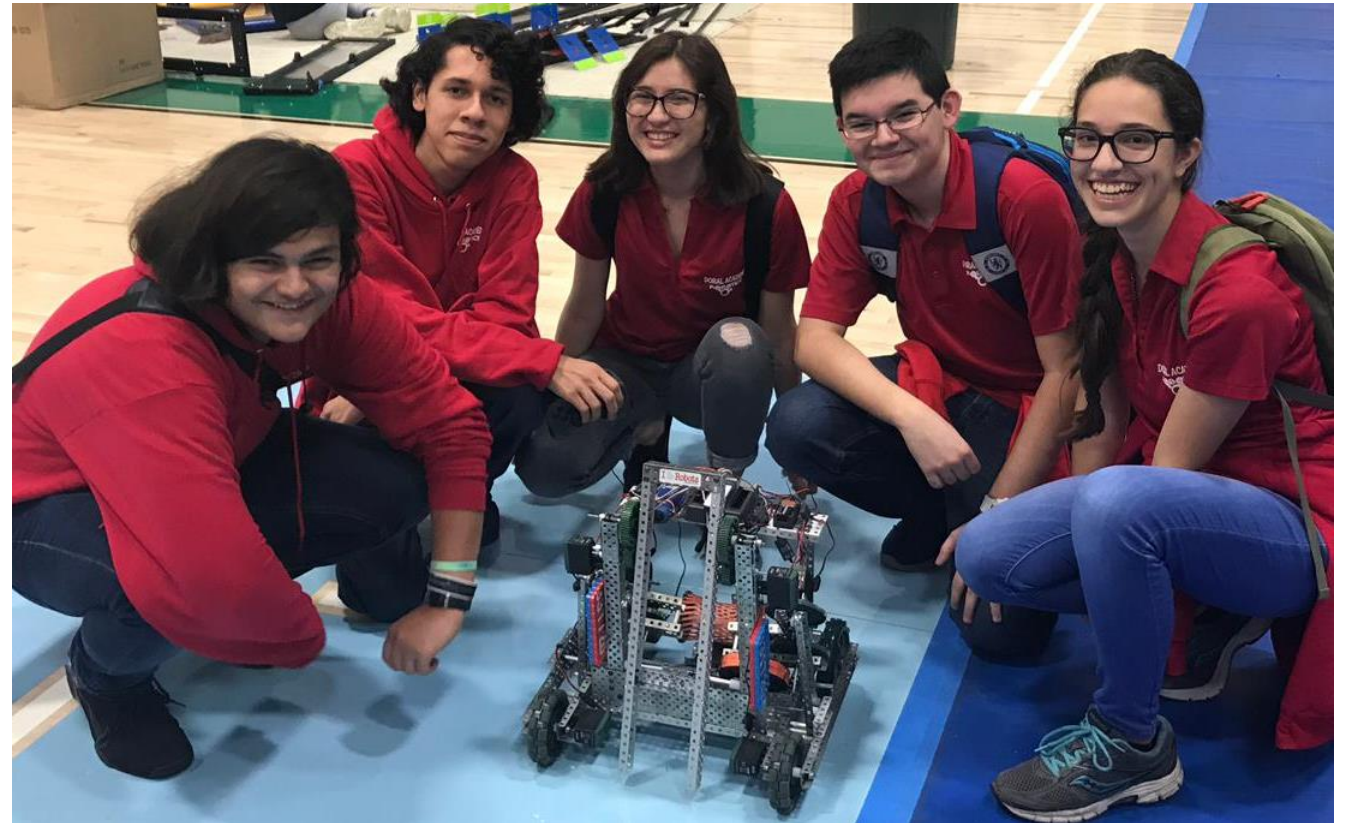
- ▶ To us, Girl Powered means that we are one team made up of five equals.
- ▶ The guys tend to have wilder and crazier ideas while the girls tend to be more idealistic and conservative and the truth is that the best ideas come from listening to each other and finding an in-between.



# This is us: Team 33172D

- ▶ Camila: Team Captain and Head of Notebook
- ▶ Michael: Programmer
- ▶ Alejandro: Programmer and Rules Lawyer
- ▶ Allan: Driver and Builder
- ▶ Laura: Lead Builder

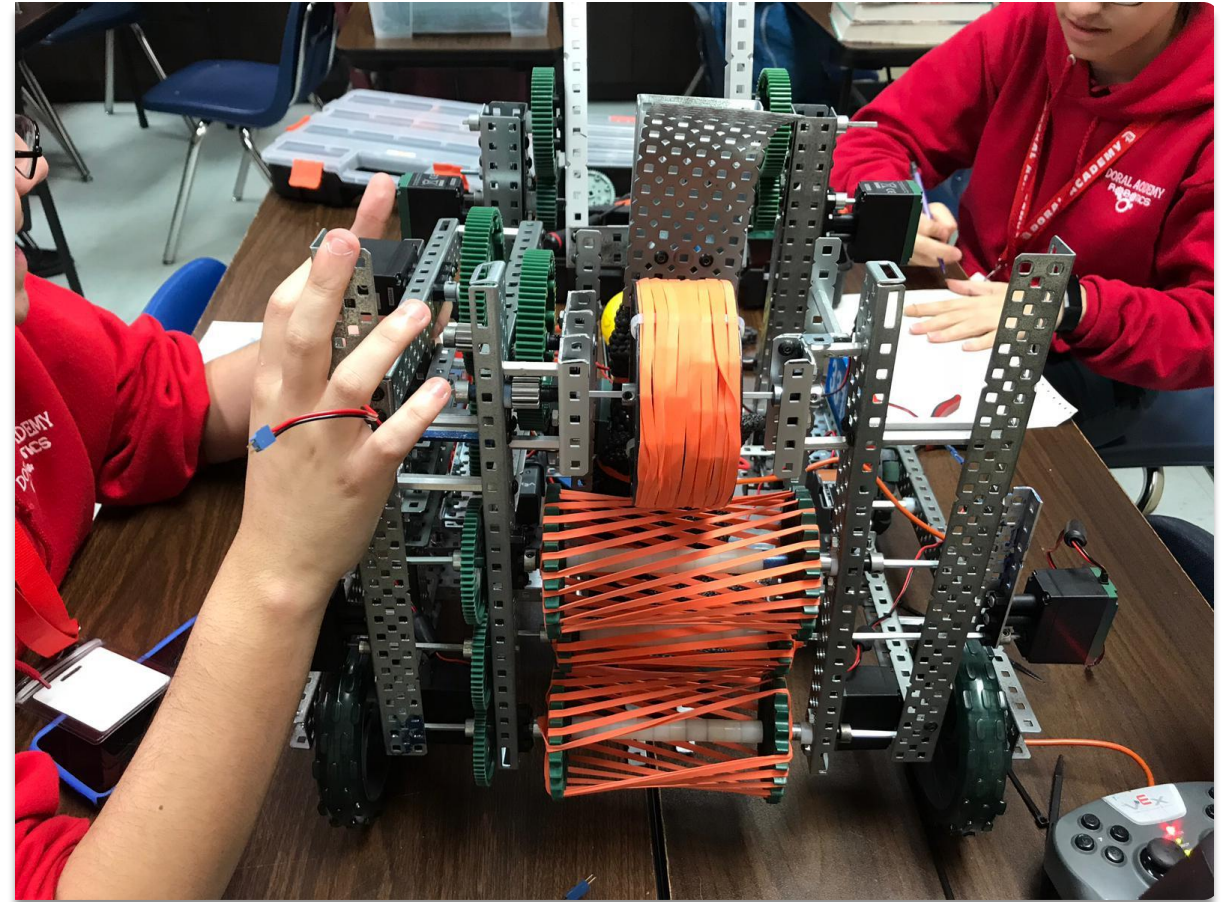
Michael Allan Laura Alejandro Camila



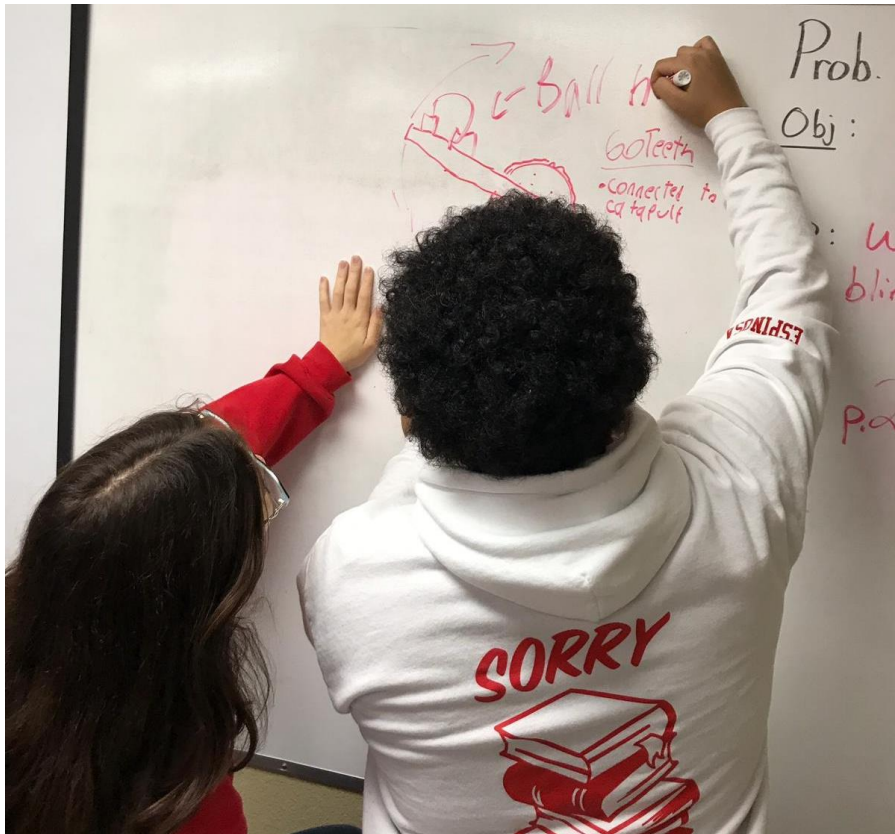


# Starting out

- ▶ Most of us didn't know each other when we got paired as a team and I was the only one that had ever competed in a VEX competition before.
- ▶ In previous years I had only ever seen girls in robotics work on the notebook and I figured that Laura and I were going to be working on the notebook together while the guys built and programmed.



# Designing



- ▶ I would learn very quickly that not only was Laura a builder rather than notebook, but she was the best builder on our team.
- ▶ She was the first girl builder in our club and rather than tell her to do notebook or disregard her ideas, the guys were very open and instead helped her.
- ▶ Seeing her work so well and seeing the guys help her out really made me start to think that I could build and design too, or at least learn how too.



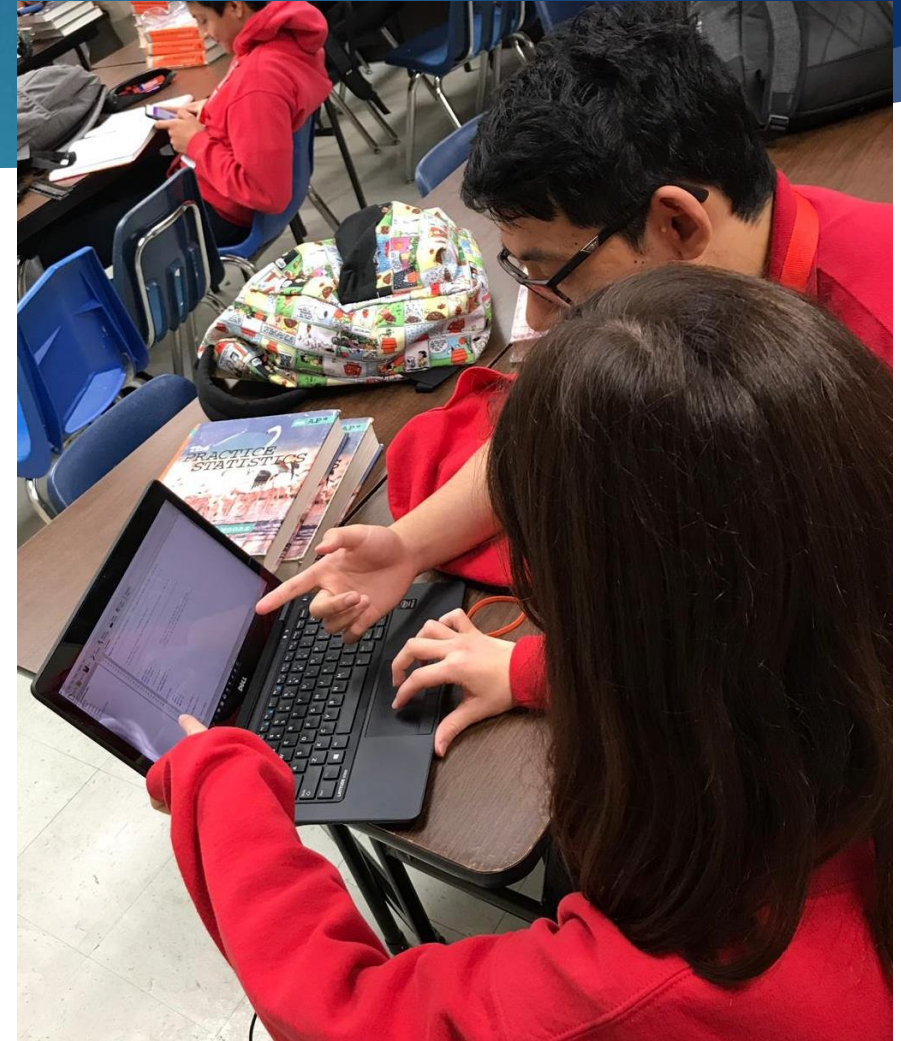
# Learning



- ▶ When I expressed my interest in wanting to learn the basics of building everyone in the club even, those that weren't on my team began teaching me without hesitation or question.
- ▶ Allan, the other builder on our team, sat with me and the notebook in order to teach me his designing process and together we came up with our first launcher.

# Taking on other roles

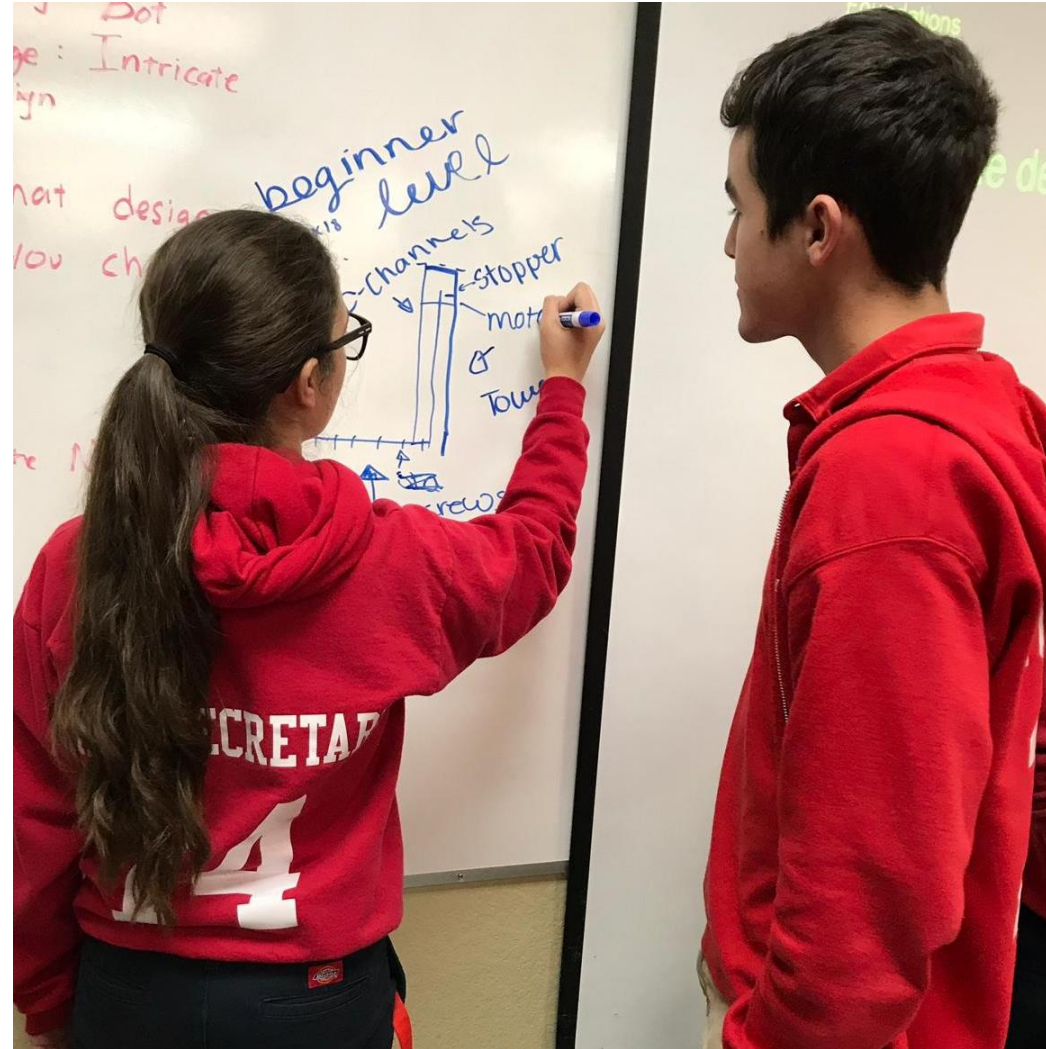
- ▶ Since August we have all learned that our best results come from working as a team and that includes teaching each other our roles.
- ▶ Laura is learning how to program so she can work with Michael on the code.
- ▶ I'm teaching Alejandro how to correctly set up notebook so he can help me out when I'm swamped.
- ▶ Allan is working with me on building so I can help them come up with more ideas and build the robot faster.
- ▶ Allan is also working with Laura on driving techniques in case she ever has to take over.





# Helping others

- ▶ Thanks to the support from our teammates and everyone else in the club Laura and I learned so much that we decided to start mentoring freshmen and sophomores that wanted to join robotics in building, programming and notebook design.
- ▶ We want to be able to keep the club going after we have graduated and the only way to do that is to make sure the incoming class is even better than you were.





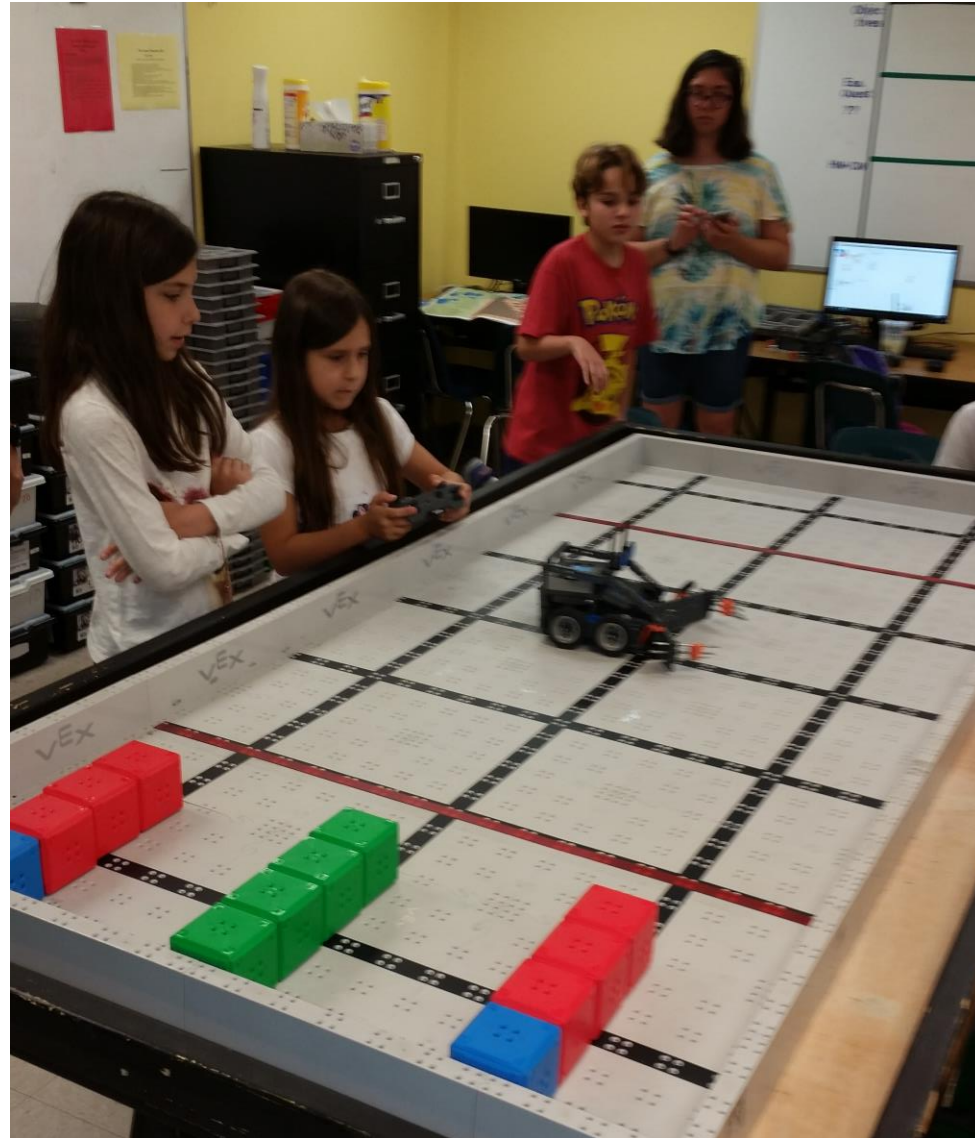
# Helping others Pt. 2



- ▶ We saw the impact we were making in our growing robotics club so we decided we wanted to take it a step further.
- ▶ We talked to the VEX IQ teacher in our school and he told us that his classes were full of kids that wanted to learn more, but that he needed help inspiring the girls he had in his class in order to show them that they could make it in robotics.
- ▶ We began setting up mini competitions afterschool for the kids that wanted to learn more and set up days where we would teach the girls in his class and hopefully serve as role models to them.

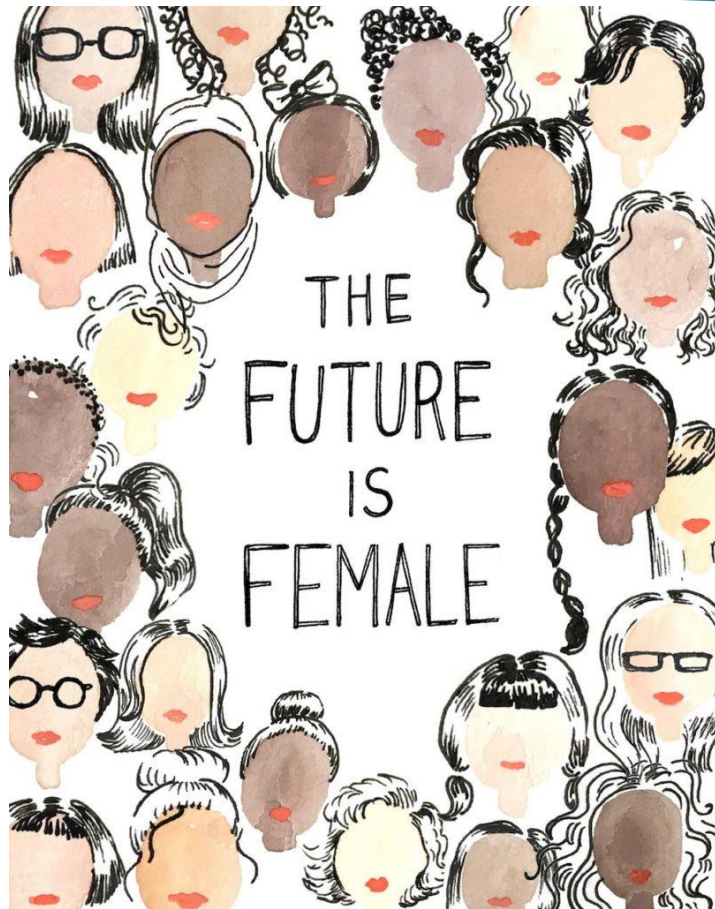
# Inspiring confidence

- ▶ The girls that we have been helping have gotten so much more confident in themselves and their possible careers in the STEM field.
- ▶ Recently, they have been coming on the same day as the rest of the class and beating the boys in both building and programming.





# Girl Leaders



- ▶ Even so, our club is majorly compromised of male students.
- ▶ However, when the elections for officers of the club came around, it was amazing to see that half of the board was made of females: I was elected Secretary, Isabella Novo was elected as Public Relations and Juliana Vaca was elected as Vice President.
- ▶ We are all really hoping that seeing so many girls holding office and the equality that is in our club will motivate other girls that don't think they have a future in STEM to join the club and learn as much as possible.

# Stephanie Castillo: Our STEM Role Model

- ▶ Stephanie Castillo created a program called Latina Girls Code (LGC), which provides young Latinas with workshops, hackathons, etc.. who aims to fill the diversity gap in STEM.
- ▶ Her parents were Mexican Immigrants.
- ▶ When she's not helping the Latina youth, she's an immigration adviser, helping people, many of them undocumented, navigate education and employment opportunities.
- ▶ **She really inspires us because our entire team is made up of different Latin American cultures and we are a minority in the United States, but people like Stephanie Castillo make us realize that it is possible to be part of 2 under represented groups and still succeed and be an inspiration to others.**





# Succeeding

- ▶ Since our first competition, we have made it to the semifinals and quarterfinals multiple times and we have received a judge's award.
- ▶ Furthermore, we recently qualified to states with the design award and are very excited about fixing our robot and competing in states.



We are very fortunate to have such a close bond as a team, and to create in an environment where we all respect and value each other. We just want to continue to get better and be a better team.





# We are proud to be GIRL POWERED



# CREDITS

Title: Girl Powered and Inspired

TEAM 33172D

Camila Maneiro – 11<sup>th</sup> grade

Laura Saravia – 11<sup>th</sup> grade

Alejandro Lopez – 11<sup>th</sup> grade

Allan Bermudez – 11<sup>th</sup> grade

Michael Gonzalez – 12<sup>th</sup> grade