

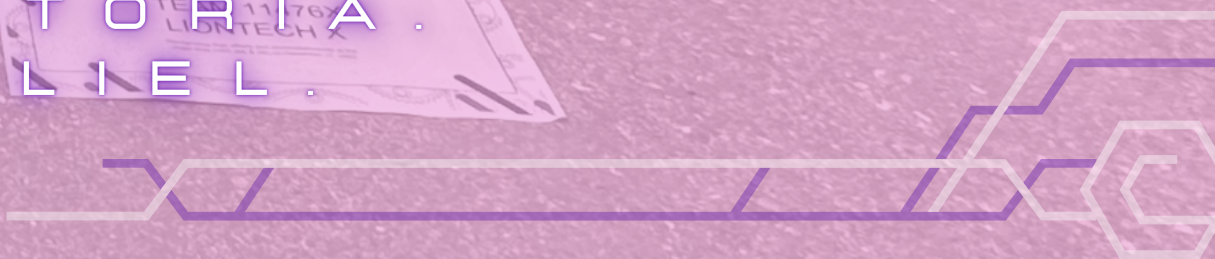


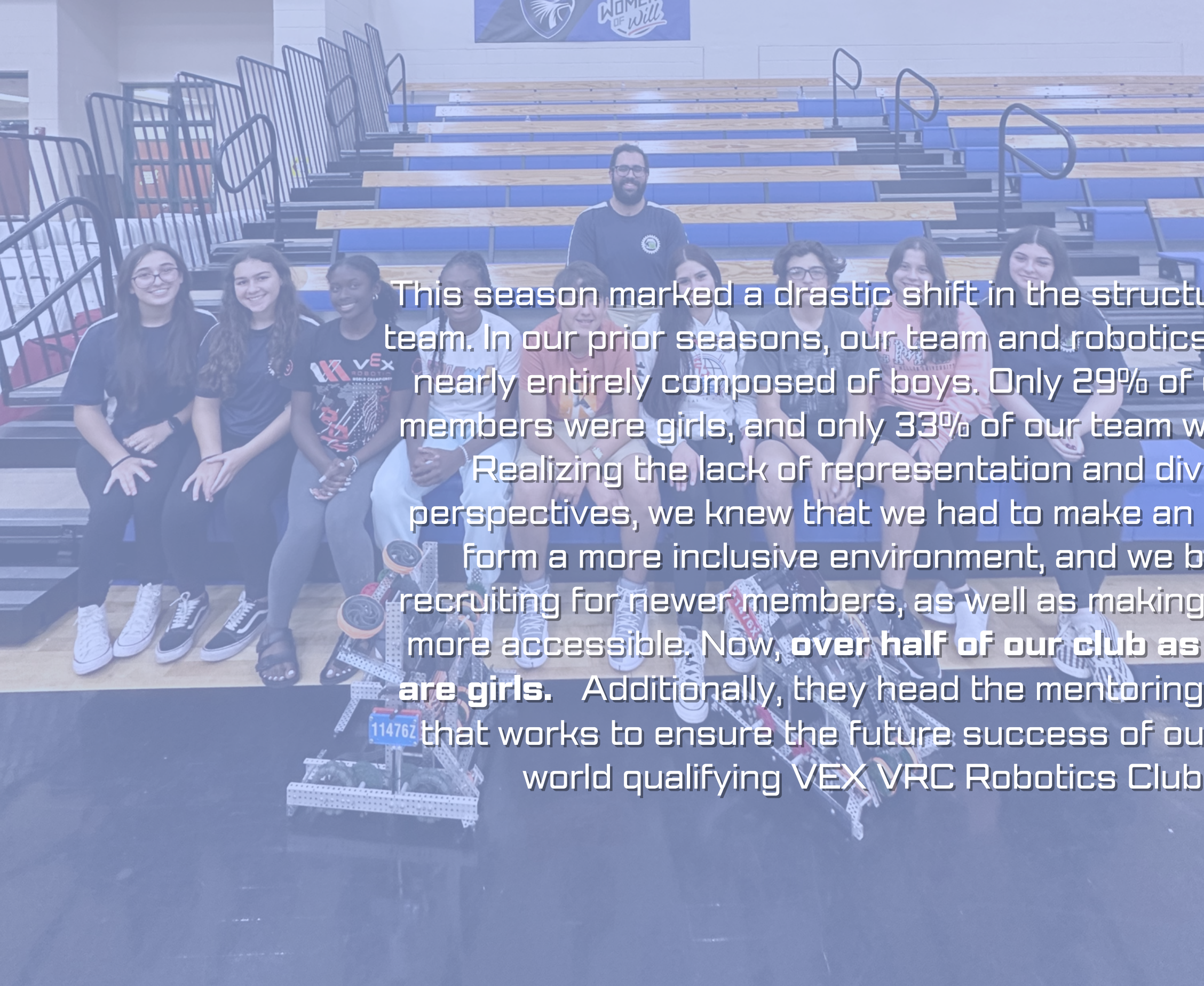
SPINNING UP THE STANDARDS

11476X

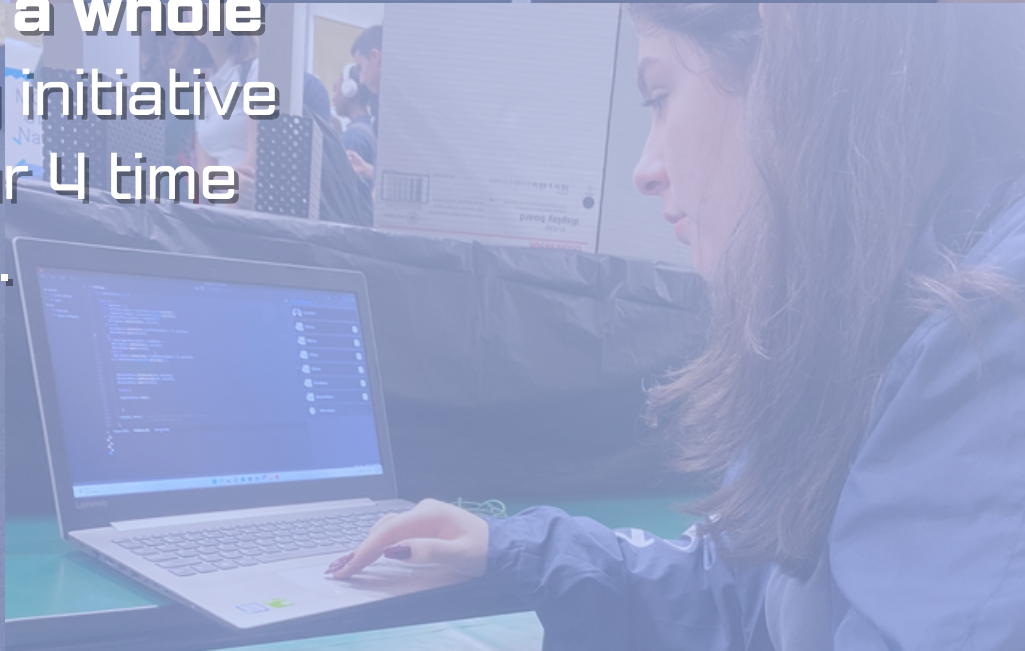
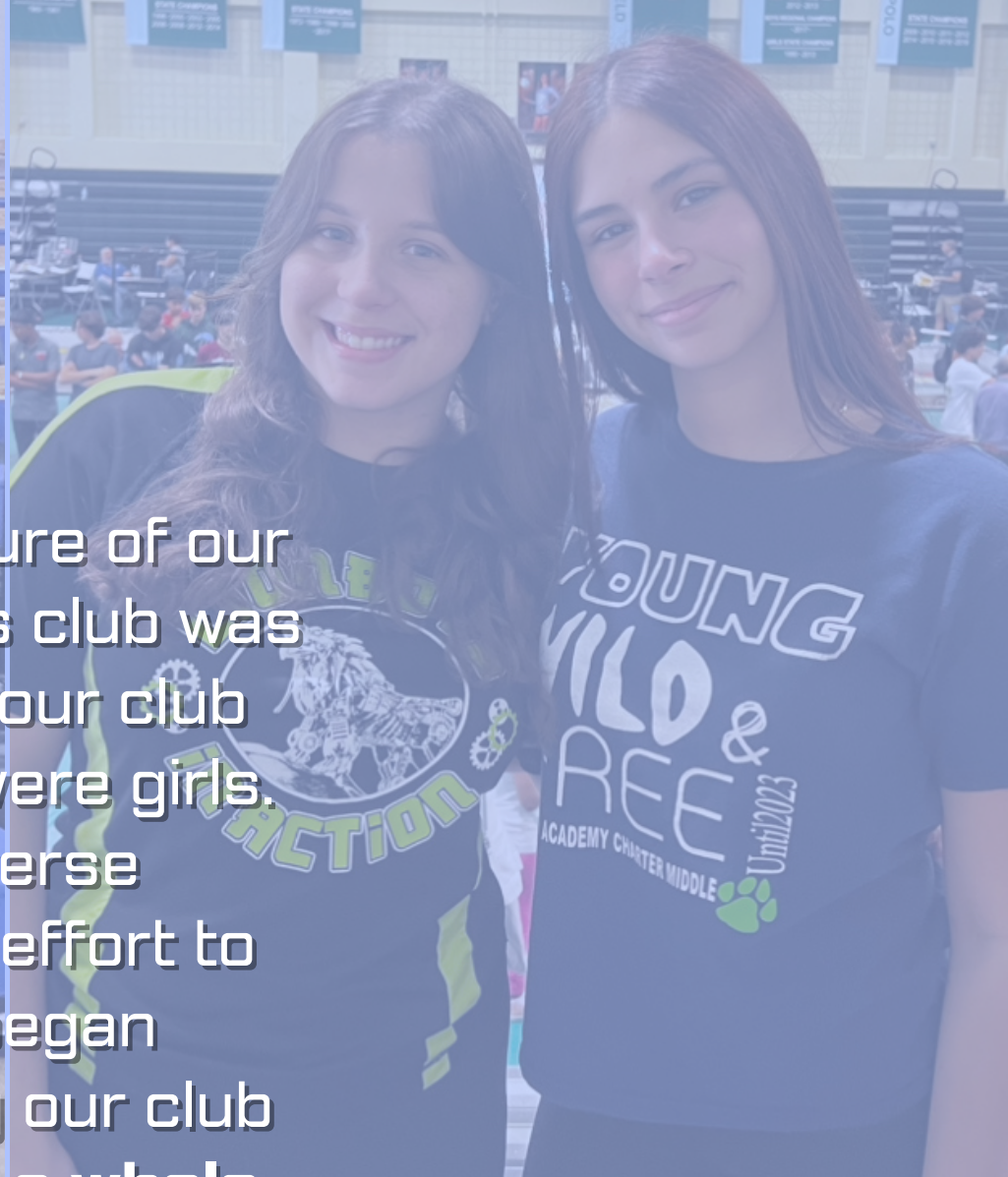
HI ALEAH GARDENS, FL

SOPHIA. KYOMI. VICTORIA.
JUAN. JAVIER. YELIEL.

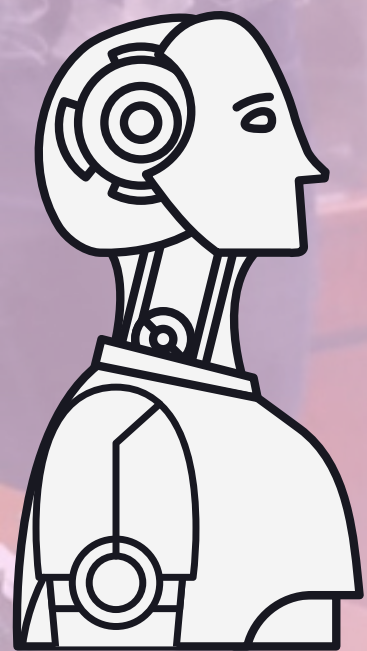




This season marked a drastic shift in the structure of our team. In our prior seasons, our team and robotics club was nearly entirely composed of boys. Only 29% of our club members were girls, and only 33% of our team were girls. Realizing the lack of representation and diverse perspectives, we knew that we had to make an effort to form a more inclusive environment, and we began recruiting for newer members, as well as making our club more accessible. Now, **over half of our club as a whole are girls.** Additionally, they head the mentoring initiative that works to ensure the future success of our 4 time world qualifying VEX VRC Robotics Club.



Our team number is 11476X. We are from a school in Hialeah Gardens, Florida. This year our team is made up of three seniors, all girls: Kyomi, Sophia, and Victoria. Along with three male underclassmen: Juan, Javier, and Yeliel. With all of us coming from different Hispanic backgrounds and cultures, in addition to different ages, it has always remained a priority of ours to foster a sense of camaraderie within our team, and maintain an environment that allows us to find common ground regardless of our different perspectives.



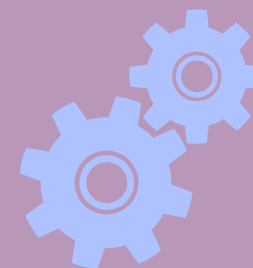
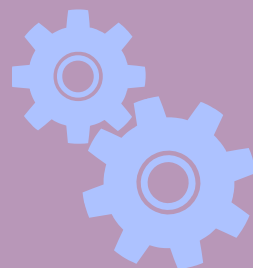
ABOUT US...





Victoria is our Primary Documenter. She has been in robotics for 5 years and has been a documentor for all of them. She is interested in pursuing a career in Biomedical Engineering.

Sophia, 12th



Kyomi is our Primary builder. She has been in Robotics for 5 years and is interested in continuing her STEM career in the medical field and studying Biomedical Engineering.

Victoria, 12th

Sophia is our Primary Programmer. This is her first year in robotics but she is proficient in coding and has 6 years experience. She wants to continue her stem career in both Mechanical Engineering and Computer Science.

Javier, 11th



Javier is our Primary Driver. He has 3 years experience driving for VEX and 2 years Building experience for VRC. He wants to continue his engineering path and become a Mechanical Engineer.

Juan, 9th

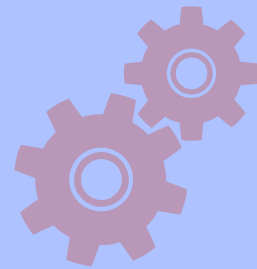


Juan is our Secondary Driver. He has been in the competition club since last year. He remains dedicated in becoming a more skilled driver and improving his performance in stressful situations. He would like to continue in the STEM field and become a nuclear engineer.

Yeliel is our Secondary builder. His goal this year is to improve his skills in both programming and building. He worked alongside Juan last year and competed in VEX IQ.

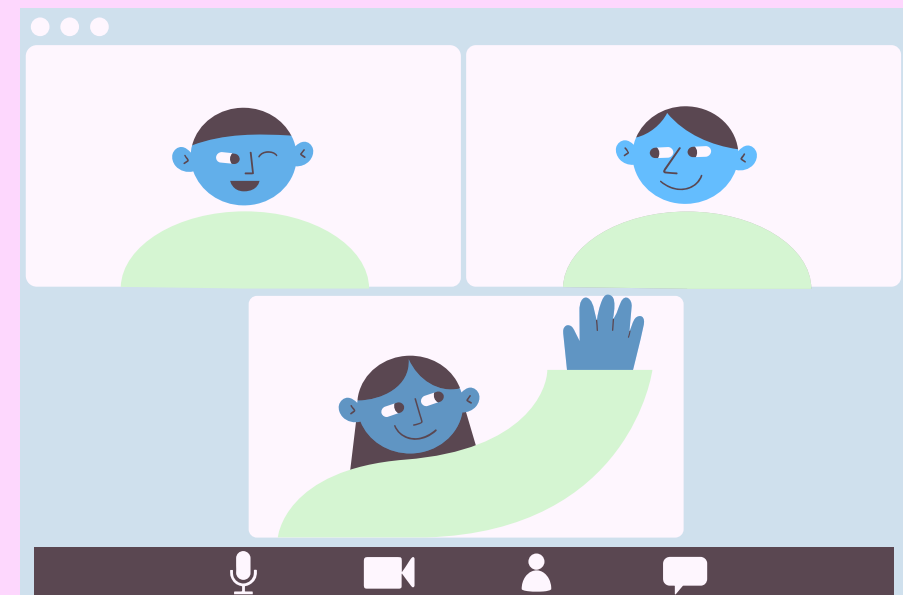


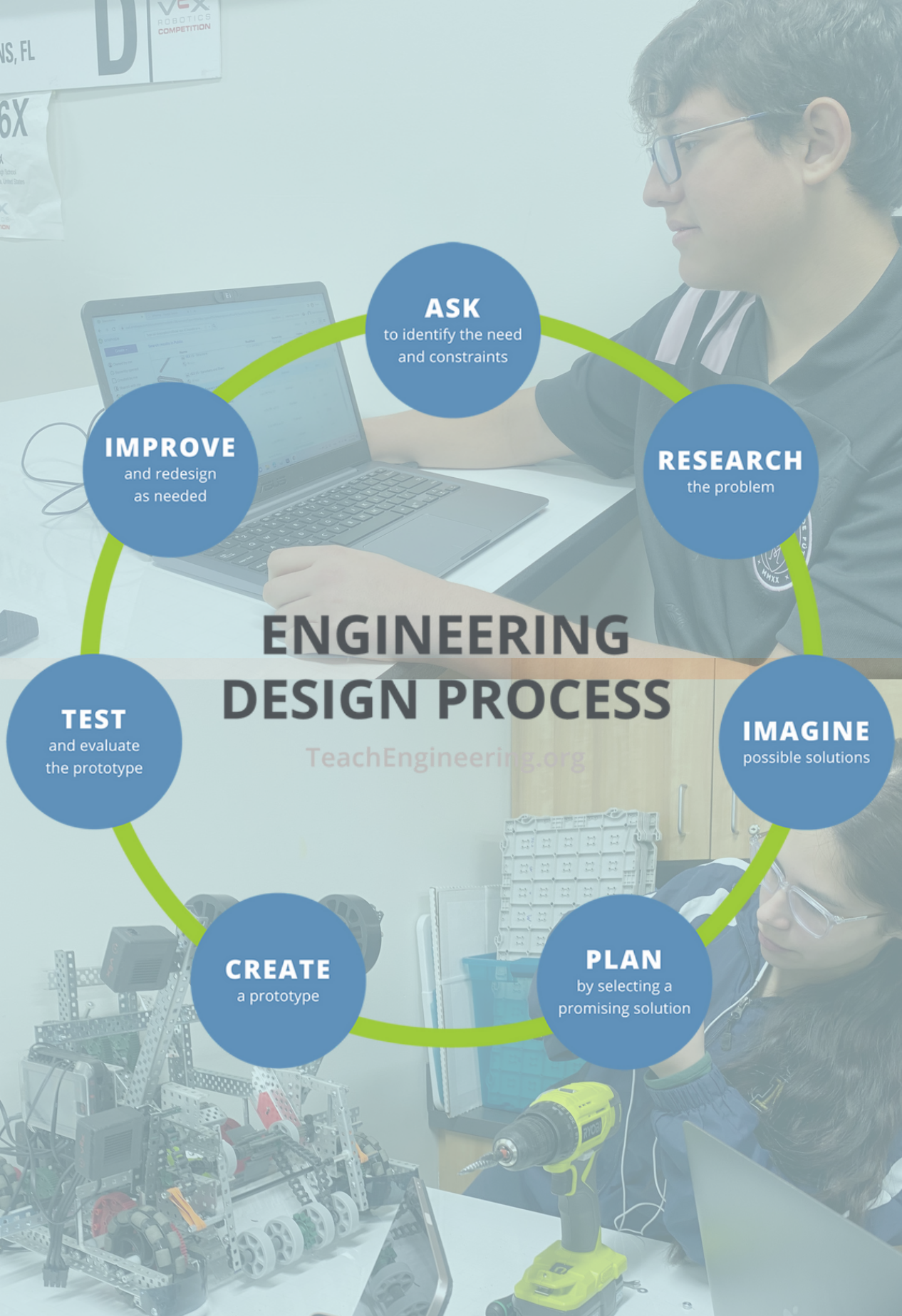
Yeliel, 9th



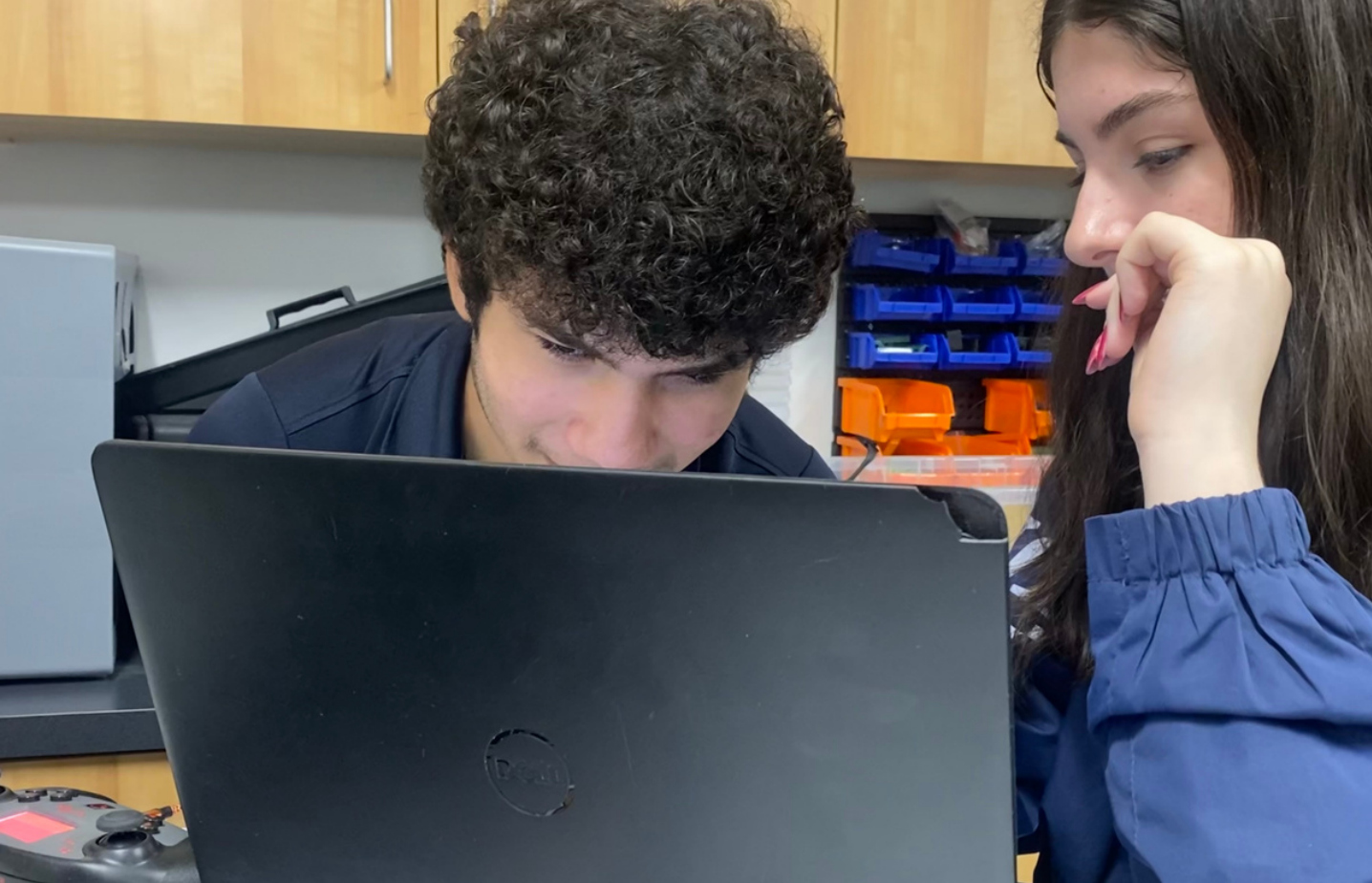


We started our season early off with zoom calls during the summer in order to organize ourselves and brainstorm this year's game. These constant zoom calls paved the way for the great team chemistry that we have developed since the start of the season.





Although we have our own designated roles, they all tie in with one another. The freshmen on our team are constantly moving and working with all of us to get the most out of the learning environment that VEX and our club provides. Programming, driving, and building, all work in tandem with one another. One way that we ensure a balanced distribution in responsibilities and hands-on experience with the robot is by using our design process. The key to following this design process is **communication**. It strictly enforces that we all talk to one another and assist each other in order to remain aware of where we are in the design process and what needs to be done in order to succeed.

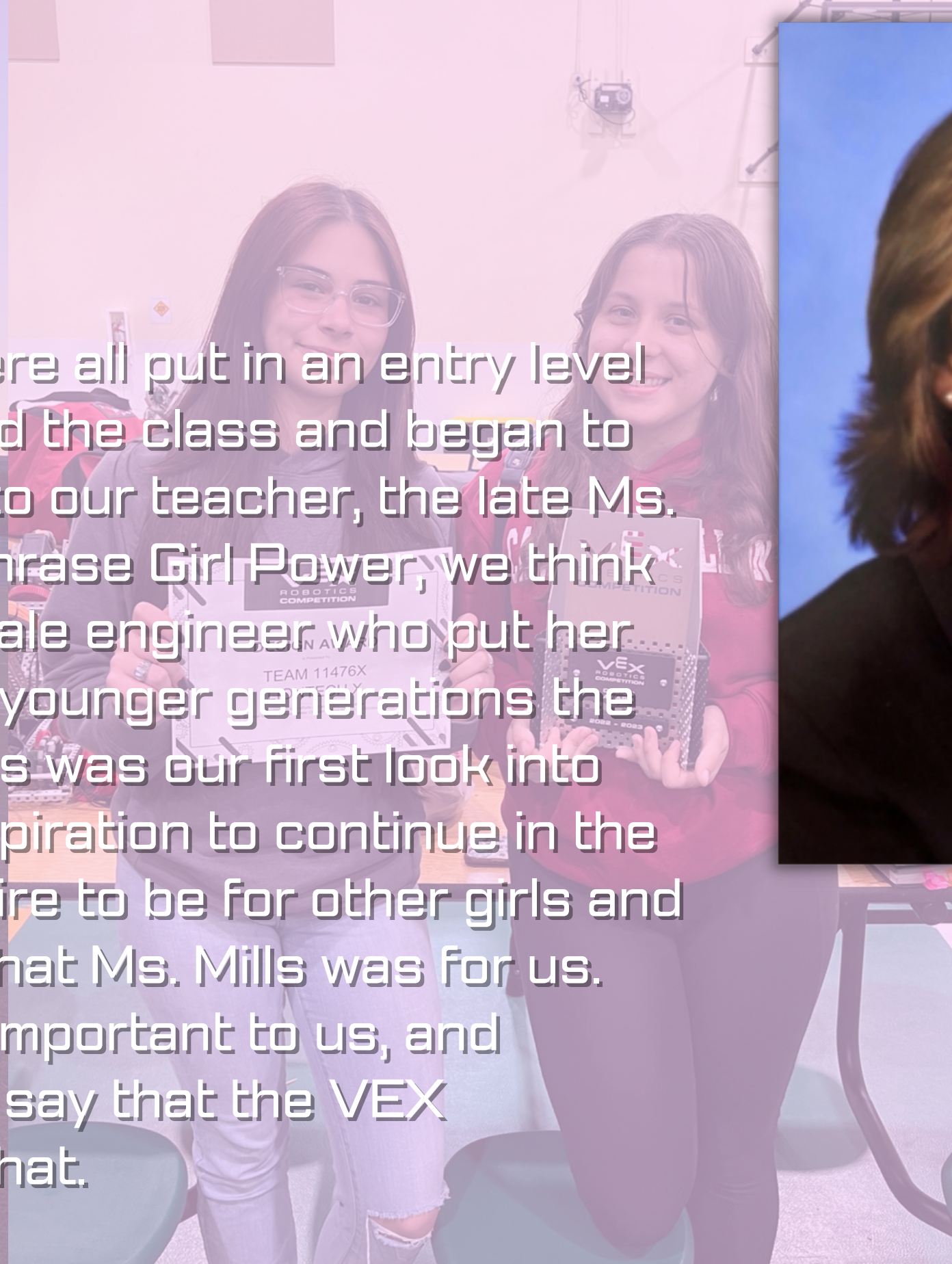


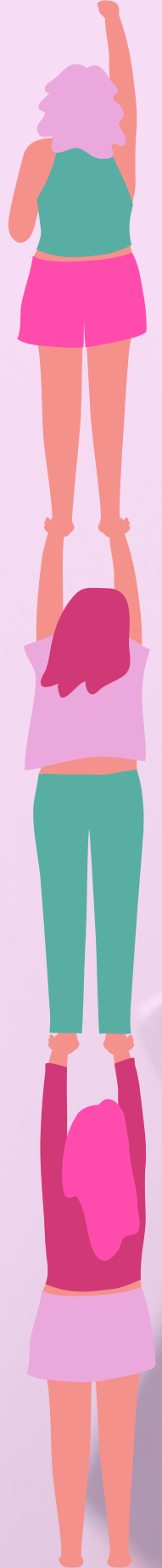
One of our main goals is to continue to spread the idea of GirlPower to those younger than us. We prioritize mentoring and giving the two freshmen on our team opportunities to work with all of us and familiarize themselves with all the roles of Builder, Programmer, Driver, and Documenter.

In our Robotics Club at school we give middle schoolers and all those interested opportunities to 'shadow' us and our sister team to explore what role they would be interested in and most relates to the STEM career they would like to pursue in the future.

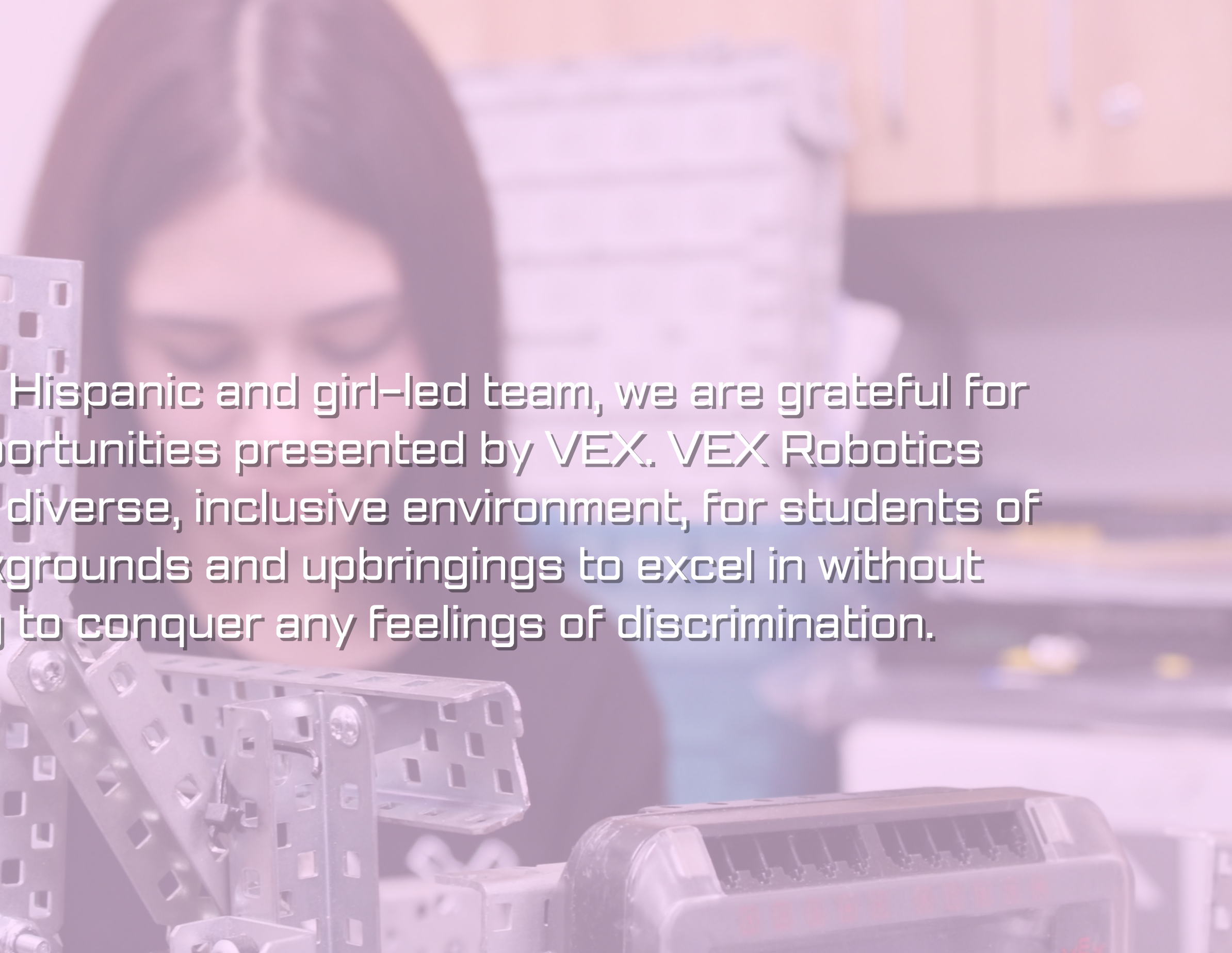


Our 8th grade year, we were all put in an entry level robotics class. We enjoyed the class and began to form a close relationship to our teacher, the late Ms. Mills. When we hear the phrase Girl Power, we think Janice Mills. A strong female engineer who put her whole heart into teaching younger generations the ways of Science. Her class was our first look into VEX Robotics and our inspiration to continue in the robotics program. We aspire to be for other girls and other people in general, what Ms. Mills was for us. Diversity and inclusion is important to us, and without hesitation we can say that the VEX community provides just that.





As a fully Hispanic and girl-led team, we are grateful for the opportunities presented by VEX. VEX Robotics creates a diverse, inclusive environment, for students of all backgrounds and upbringings to excel in without having to conquer any feelings of discrimination.



WHAT DOES GIRL POWER MEAN TO US?

To us, Girl Power means community, inclusion, and equality. Usually when people think about STEM careers like Engineering, they assume its a “man’s job”. The Girl Power phrase has become more of a movement and it continues to grow as young girls keep aspiring to be engineers and stepping up to the plate in hopes of achieving their dreams. The girl power movement provides these young women with opportunities to do just that. Organizations like VEX and Google are supporters of the developing movement and it satisfies us very much to know that as time goes by, more and more women are getting involved in STEM careers.

