

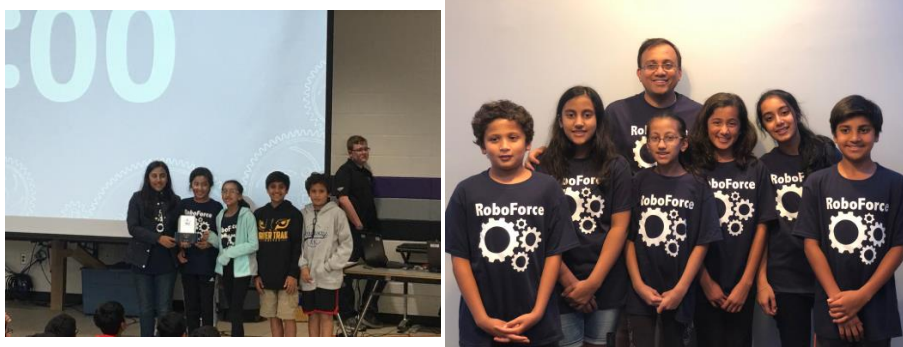
## **-Girl Powered S.T.E.M. Essay- Team Name-Roboforce : Registered Team Number 45001A**

**Credits-Aashna Shah, Rosheeta Sheth, Aryaa Shah, Kriti Tatia, Rishi Gosrani and Vijit Tatia**

Since the beginning of civilization, girls have always been told to wash the dishes, do the laundry or cook. Girls would just work in the kitchen with no respect, scrubbing dishes as they feel miserable inside, dreading everyday of their lives. Meanwhile, boys have been told to do manual work and train, to be the head of the family. They were the ones doing things they loved and having respect. Men were always the ones with jobs, and women were laughed at even if they tried to have an education! It is now the time to change that and progress is being made. VEX IQ Robotics helps achieve this goal.

Whenever we think of girl powered, we think of how girls put their best foot forward and show everyone what they can do. It's like it's the girls time to shine and take the spotlight from the boys and place it above themselves. Girl powered reflects our team's approach because our team empowers girls. It also gives girls a chance to show that they can do the same things as boys can, and possibly even better than them. This boosts girl's self-esteem and lets them show that they can do things that boys can also do. It also makes girl realize that they aren't dependent on boys and that they can do many things without them and be good at it. Our team's approach makes girls independent and lets them have a chance to shine.

Our team took initiative to develop a more inclusive environment which attracts a diverse group of students by giving everyone an equal role and giving everyone a chance at each role so everyone feels involved. This method is great for our team so that everyone participates and gains knowledge that each role gives. This means, boys aren't the only ones who do all the building or programming, girls are doing it too. That way everyone has an equal role in the team which attracts a diverse group of students. This approach allows everyone to find what field(s) they shine in, or which they enjoy the most. Also, when we switch roles it helps fine tune any mistakes other people made and have different points of view on an area. That improves the result, leading us to a greater success and a variety of students.



Each person on our team had a different role, but each person would eventually take every role. After competitions we switch roles so that everyone has a chance to learn and become stronger in a field which they aren't so great at. But it also lets them get the chance to do the thing that they enjoy the most. At this point in time Kriti and Aryaa are working on programming. They learnt that this takes a lot of trials and things can't always be perfect. Rishi and Vijit are working on the STEM project (putting it together) and the engineering notebook. They learnt that one needs to be cooperative and learn how to reflect their ideas well. Aashna and Rosheeta work on building (designing the robot and making modifications). During that experience they learnt that someone needs to be understanding and

acknowledge what another person has to say. They also learnt that patience is the key to success and things won't be perfect the first time. Even though we have different roles we put all our perspectives together to make something great.

We believe diversity of perspectives changes our robot design, team chemistry, and our ability to succeed in many ways, but mainly in good ways. The diversity in our perspectives leads us to get many point of views and see all sides of the problem. This helps us see the things we need to solve. It's the same thing when finding solutions, diverse perspectives lead us to the best solution. This way when we think that our robot can be better we can figure out what the problem is from different perspectives and take all inputs to reach the best possible solution. Our diverse perspectives alters our team's chemistry because it brings more elements into the team. We may have some clashing viewpoints, and a couple of arguments here and there, but that helps us learn to cooperate and be open minded. Lastly, diversity of perspectives changes our ability to succeed for we get multiple viewpoints and skills. We have team members who succeed in some areas which can help us do well, and they can also help others change their weaknesses to their strengths.

Our STEM role model is every working woman in the world. They inspire us to have a more inclusive team, for if they can work with men to have an equal working environment then so can we. Look at all the working women, they're not at home cleaning dishes, they're doing the same exact jobs men are doing. They have taught us to involve every single person on the team-boy or girl. These are the women that will help better shape the next generation. They are the ones that will increase the next generations self-confidence, and they will be the ones to lead girls to become more independent. They are teaching girls that they don't need someone to rely on, they are there for themselves.

In conclusion, our team is an excellent example of girl power and diversity. Our group is able to cooperate with different viewpoints and channel it, to lead us to success. Girl power is also very important to us, and many others. That is the reason our group took the initiative to develop a more inclusive environment which attracts a diverse group of students. Our team looks up to all those women who work and are employed. Those women are the ones that will give the next generation a better future. These are the women that will help us, and we look up to them.

