



Title: Racing Robots Powered by Girls Power!!

Team: Laura, Allie, Shubhi, Shruti

Team number: 70852A

Team Location: Malvern, PA, 19355

Introduction

“What I think girl power means, is when you prove that you can do something when a person or people say that only boys can do that.” - Shruti Kartick

“What I think girl power is working hard with close friends, helping each other in difficult times. And always being there for each other.” - Allie Caldwell

“What girl power means to me, is that us girls, can do anything and should follow their dream and passions.”
-Laura Petcov

“Girl power means, equality for all genders and that anyone can be anything.” - Shubhi Sao

Hi, we are the Racing Robots. We are Shubhi, Allie, Shruti and Laura. We are ten to eleven years old. But, in these past months we have really enjoyed building, coding, and so much more. Robotics is very interesting for all of us. Adding on, we all have our own jobs, but if someone wants to try something we don't judge, because everyone should be able to try something.

Something we believe in woman and diversity activists like, Michelle Obama, and many more. All of us come from different ethnicities and race. So, we all understand that most girls and generally kids don't have a lot of opportunities to learn and do stem.

How we use Girl Power

How we use Girl Power in robotics, is working together and listening to each other's thoughts and opinions, while we prove that girls can do anything. We're using our intelligence, to improve our robot. For example, right now we are rebuilding our robot to move faster. That includes learning more about gears ratios, how spacers effect our robot, etc. When someone brings up an idea, we support it and help them achieve it. If we make a mistake, then we work it out together as a team. Then we use that idea in our robot. In robotics we also love to work together and supports each

other. Because of doing these things, we have won the excellence award in Vex IQ and gotten first place in our first competition.

Who inspire us?

Who inspire us you may ask well, for Shubhi it's her brother who has been doing robotics for a few years. For Laura it's herself, for Allie it's her friends and mentors. For Shruti, her mother inspires her, Shruti thinks she is the definition of girl power. But all these people who inspired us, have influenced us. These people have helped us, encouraged us, and helped us on this journey of robotics.

Key to Success

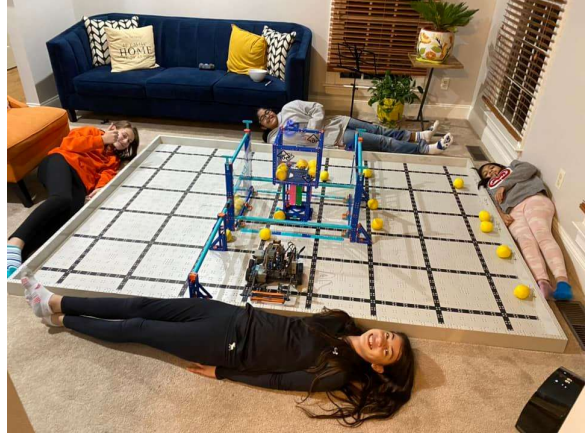
One of the main reasons why our group works well together was because we were friends before robotics. We knew each other's strengths and weaknesses, so we knew how to work together. We are just generally all fit together, like a puzzle. In the time we have been doing robotics, we have tried are best to succeed. Part of it is is luck, but it is mainly hard work, effort, and friendship. For example, in our first tournament when we entered, we thought, "Oh, we are probably going to lose." But in the end, we won. This is proving that the **key to success** is hard work, believing in you and your team, and effort!

Conclusion

In the end we are not a perfect team, and we use lots of girl power in our team. But we are still a team, a team that isn't perfect, a team that might think that our robot is horrible, a team that loses hope easily. And in rough times, we remind ourselves that we can work together and accomplish anything. That's why we are a team. A team that we can't really call, perfect.



Work in session



Having fun around the field!