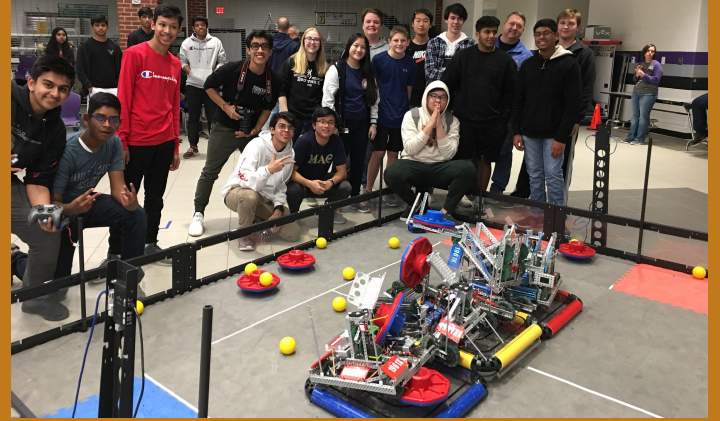


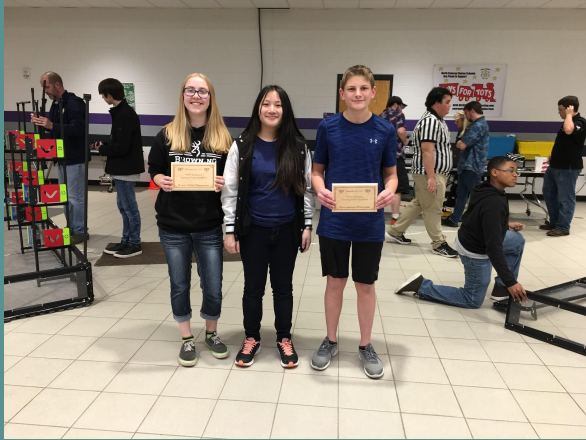
# Overpowering with Girl Power



# Introduction



My name is Sydney Baker and I am one of the only two girls in my high school's VEX team. I have always admired Sophia, the other girl on our school's VEX team. She was the one that first got me interested in VEX and allowed me to join her team for the very first time at the start of this year. I have had a blast so far working with her and the other members of our VEX team to design and build a great robot. I absolutely love putting together the different parts of the robot, figuring out how to program it, and just learning more about technology, and so do all the other people on my team.

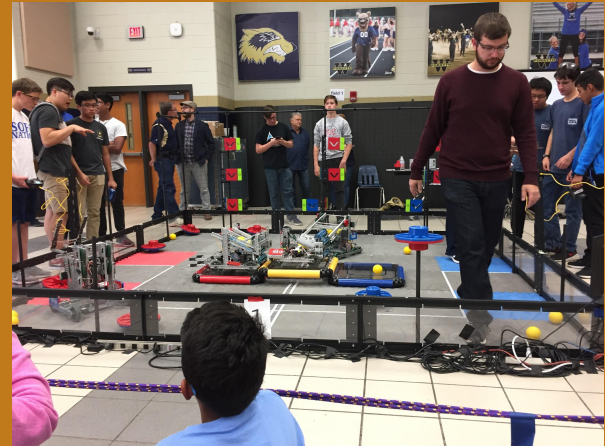


# Girls in Engineering

I know that STEM is a field filled mostly with boys but I never felt like being a girl held me back. I believe that being a girl empowers me to try my best to counter the stereotypes that say that girls cannot be engineers. I believe that all engineers should be united their passion for designing and building things instead of focusing on their differences in gender or whatever else separates them.

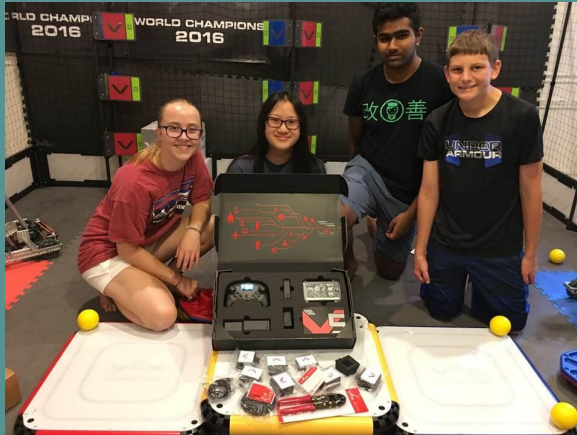
# Perspective

Having girls on our VEX team has helped our group gain a new and unique perspective on designing and building programs. Girls are able to bring creativity in designing mechanical systems to put on the robot, fresh ideas of how to add to the engineering notebook, and focus to complete the programming for both autonomous and driving. Diversifying our perspectives has helped us to use this advantage to become one of the best VEX teams in the state and the world.



# Team Roles

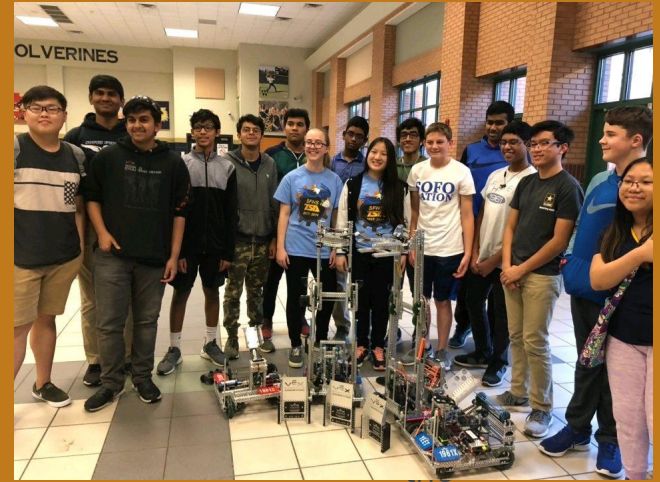
The girls on our team have a diverse range of skills that allow us to fulfill a variety of roles within the team. Sophia is the team leader since she is bold, the programmer since she is incredible at coding, and one of the designers of the engineering notebook since she is



emely creative. I am one of the designers of the engineering notebook since I am great at drawing and writing about them, I am one of the builders skilled at putting things together, and I am better at driving because it is fun and I find it a very useful skill to learn.

# Mentoring

Our team uses our diversity in gender to help mentor teams that have the same differences. Two of the that we give advice to are the Killer Monkeys and Lionbots. Sophia's sister is on the Killer Monkeys, that is why were are able to have such a good relationship with them. Each of these teams are composed of both genders because of that, we are able to connect to them more easily. We have the freedom to discuss how being minorities in the STEM field does not have to define us and how we can rise above that stereotype to do our best.



# Conclusion



Our team utilizes the fact that we have girls on our team to bring new perspectives, fulfill diverse team roles, and mentor younger robotics students. Combining these skills we are able to craft an extremely successful team and robot. We have crafted a unique and lucrative robot that is able to do a combination of both balls and caps in this year's Turning Point game. We hope to be victorious at world and look forward to competing there.

# Credits

- Created by Sydney Baker
- Team Number: 1961U
- Title: Overpowering with Girl Power

