



SUPERNOVA

66936A

VEX IQ
CHALLENGE

GIRL POWERED

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By:

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PITCHING IN EFFORT, COMING OUT SUCCESS

INTRODUCTION:



We are team 66936A formed in 2018. We are three 12-year old girls that are passionate about robotics. Our team likes to try diverse activities that include, designing, building, programming and driving. We love working together on robotics and traveling to different locations to compete with other teams. We participate in many tournaments, leagues every year. We always have fun while chipping in hardwork and determination. We have achieved many of our goals and have won numerous awards in the past. In our future competitions, we are confident to make more and more achievements.

OUR TEAM:



Isabella Yuan



My name is Isabella. I am 12 years old and in the 6th grade. This is my 3rd year competing in VEX IQ. I am the driver and captain of the team. Being the first member of the team, I have won many awards such as the excellence, build, and top 10 in the World.



Nancy Chen

My name is Nancy Chen, I am the programmer of the team. I am 12 years old and in 7th grade. This is my 2nd season in competing in VEX IQ.

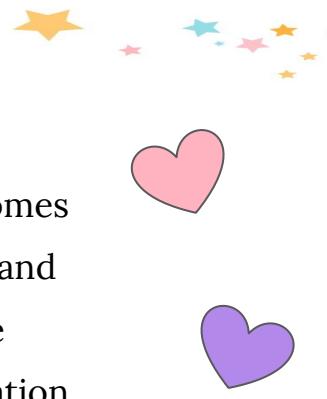


Cindy Zhang

My name is Cindy Zhang and I am the second driver in the team. I am 12 years old and in 7th grade. This is my first year competing in VEX IQ.

The phrase “Girl Powered”

When the phrase “Girl Power,” is mentioned, the first thing that comes to mind is the durability, empowerment, strength, independence, and confidence of woman. Durability and empowerment represent the ability to last over time and to resist wear, breakage, and deterioration. On the other hand, woman with strength, independence, and confidence as their personality traits don’t care what the crowd thinks, and do what their heart tells them to, as good as possible. Their power from within gives them the ability to do what others can’t. The power from within stands to be one of the most valuable portions. Girl Power in this instance, portrays sportsmanship, cooperation, and working together. In our team’s approach to robotics, working together as a team and cooperating is the most important part of VEX IQ. As much as practicing is worth, enjoyment takes a big part as well.



OUR TEAM ROLES:



In our team, each and every one of us are encouraged to participate in multiple roles such as programming, building, and driving. Students and team members can gain a lot of experience through trying different things. It allows us to understand the way the robot is designed, why it is to be designed that way, and various other pieces of information. Our teammates and adults encourage us to try out all types of different choices. The choices are infinite, we are persuaded to believe that anything is possible. We can learn many things from our team members, our process in designing, during competitions and leagues, and even during practices. Everybody in our team is to try out for various spots in the competition, anyone who feels like their job isn't best suited for them are encouraged to switch roles.

INCLUSIVITY ON OUR TEAM:



To create a more inclusive environment that attracts a diverse group of students to join, we are encouraged by others to make our own choices and decide for ourselves, at the same time, having fun. We choose teammates based on their abilities and approach to robotics rather than their race, gender, or anything else. We make friendly competitions to decide which role each of us are best suited for. Even in doing so, individuals are to decide for themselves what they'd like to do. As we get older, decisions can get more difficult, so it's important that we learn the right skills at an early age. If there's a decision that affects our teammates or others, we are to ask them what they think and discuss the choices together.

DIVERSITY ON OUR TEAM:



The thing is, diversity is about much more than hitting numbers and creating compelling talking points. They're more of a mindset that leaders need to embrace, that understands the value of new and different ideas. I believe that one of the main reasons we are trying, and largely failing, at diversity & inclusion is because we are layering a logical argument about the importance of difference onto the long-entrenched and outdated belief of similarity. Instead, on our team, we are encouraged to think in an limitless box of ideas. On the outside, we seem no different than three ordinary girls, what others don't have knowledge to is our ability and personality inside. Our unlimited streaks of ideas blooming inside our body, each person containing the millions of different chances to make a great change. Our personalities leads us to success, each of us has a completed different mindset, waiting to be sprouted. Overall, never judge one by their cover, cause you never know just how much of intelligence can be hidden inside.

DIVERSITY OF PERSPECTIVE:



Although the diversity of perspective can cause conflicts, it is still important because it can bring lots of advantages. For example, if all team members have the same ideas, they would not come up with different ideas and improvements that lead to creative designs. Also, team members can learn from each other due to the diversity of perspective, and different experiences and thinking result in a great range of possibilities to pursue. Without diverse perspectives, a group or individual may stagnate at a certain point. Indeed, diversity helps encourage a team's positivity, resulting in the team getting the most they can out of each member's talents.

STEM ROLE MODEL:



Rachel Carson is an important figure in the history of science. You might've heard of her before, as the author of *Silent Spring* – a book that informed a wide range of people of the harm caused by pesticides. She impacted many people through her book, which indirectly caused the ban on DDT and other pesticides. The book faced large amounts of opposition and unreasonable criticism from many people. She was called a fanatic, labelled as “probably a communist”, and was even threatened with a lawsuit by a pesticide company. Despite everything, she still published the book. Carson participated in as many public events her declining health would allow her to. She stood up for what was right, uncaring for the fierce opposition she knew she would receive, and continued to stand up for it until her death by cancer.



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