



# Girl Power: Changing up STEM



# Hello!



This is our logo that Emma and Jaymie created!



We are team 11124X The  
Butterfly Effect!

We have five girls on our team!

(Left to Right) Mia Yates, Jaymie  
Reynolds, Kloe Koepp, Victoria  
Jones, (Bottom) Emma Clarke

# The Creation of Our Team

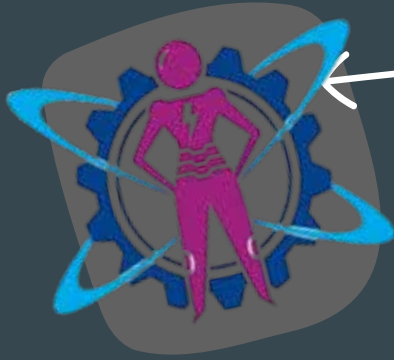
In the 2017-2018 season “In The Zone” Mia, Kloe, Jaymie and Victoria all started our robotics journey together as 7th graders. Going into the season we were two sets of best friends who didn’t know each other. We quickly became friends and formed bonds that will last a lifetime. Going into the 2018-2019 season “Turning Point” we spilt ways with Jaymie and we formed two new teams. These teams were 42111N and 42111W; although they were two separate teams, both were still girl powered with fifty percent or more girls on each team. Emma joined robotics as a sophomore and was put on 11124G. In the 2019-2020 season “Tower Takeover” Mia, Kloe, Jaymie, Emma and Victoria were all merged into team 11124X. We were 100% Girl Powered. For the 2020-2021 season “Change Up” our team remained the same.



# Our Roles and How We Came to Them

In 7th grade Kloe went into robotics thinking she was going to be a driver. As she practiced driving, she realized it wasn't for her and she tried programming. She instantly fell in love with it and has been our faithful programmer ever since. Mia wanted to be a builder and she realized she was good at building, but she also found a hidden talent in driving. She is now our driver and co-builder. Victoria went into robotics thinking she was going to be a builder, and for her first year she was! But after her first year she became the CAD designer and co-designer, which she has grown to love. Jaymie wanted to be a programmer when she first joined robotics, but she then found out about notebooking and has been our amazing designer since. Emma wanted to be a builder and to her surprise she turned out to become a very talented builder. Emma has been our main builder since the 2019-2020 season.





What does Girl Power  
mean to us?

# How We Perceive Girl Power

**Jaymie** - “To me Girl Powered means being a force of all females who can do what a male can do. Just because we are females doesn’t mean we can’t do what a guy can do. We have the strength and intelligence to do anything we set our minds to no matter what other people might say.”

**Kloe** - “To me Girl Powered means that there is strength, individuality, and power behind the girl that is afraid of what people may think of her. To me Girl Power is proving that you should never be underestimated because you don’t know how much damage I can do.”

**Victoria** - “To me Girl Power means girls supporting girls in what they want to do. It shows unity and strength throughout a community. Girl Power allows young girls to look up to older girls and be inspired to do what they want in life because there is now more girl representation than ever before.”

# How We Perceive Girl Power (Continued)

**Emma** - “Girl power to me means others empowering others. It also implies a group working together to make something even more amazing happen.”

**Mia** - “Girl power means fighting for equality and being able to voice my opinions and ideas. It also means women supporting women no matter what. Girl power helps me embrace the fact that I’m a woman and reminds me that I can do anything. Girl power gives me the strength to be able to speak up when I need to or I see something wrong happening.”



I never dreamed about success.

I worked for it.

- Estée lauder



# How Do We Battle Diversity?

“Our unity is our  
strength  
and diversity is our  
power”  
-Kamala Harris

# Strengthening Our Ideas

Even though we may have disagreements sometimes, we always persevere and continue moving ahead. Over the years that we have been apart of robotics, we have learned that it is important to have disagreements because that is how we learn and improve. If we didn't disagree with each other, we wouldn't grow and expand our knowledge. When we work together we bounce ideas off of each other, and explain how it is going to benefit our team and our robot. Since we've spent a lot of time together, we have started to figure out what questions we might get asked, like why are we going to do it this way, or why should that go here instead of there. We now have learned that we should plan for these to create stronger ideas before we even say them. This has really helped in our design process because we are working together and figuring out flaws that might not happen, but we are taking them into consideration.

# Our STEM Role Model

Our STEM Role Model is our coach Mr. West. He teaches numerous engineering classes, and we look up to him everyday to follow in his footsteps. He has helped and watched us grow on our journey to becoming adults. We can't imagine what our world would be like without his presence. He is always there if we need a smile, or if we need a hug. He has shown us that no matter what may be thrown at you in life, there is always a way to look beyond it.



# The Programs Ongoing Achievements

When Mia, Kloe, Victoria and Jaymie joined robotics there weren't many girls in the program. There was only about twenty percent of girls in our program.

Throughout our robotics journey, we have brought in a lot of new people, we have expanded our program by talking to the Girl Scouts, talking to our cities Rotary Club, and much more.

Through a lot of hard work and determination we have been able to turn the roughly twenty percent of girls in our program to roughly fifty percent in the span of four years.





# Our Inspiration to the Community

We have been to numerous tournaments with a great deal of spectators watching. Most are family members of other robotics members and usually there are little kids. We have had kids come up to us and talk to us in between matches or some who just want to take pictures with us. It is a very special moment for all of us because we feel that we have this impact on little kids. At Night at the Museum we were actually the only all female team and won the Inspire award from it as well as talking about our impact on the community. We've inspired girls to join things they might shy away from as well which is very special. We have also done numerous community outreach opportunities from hosting Girl Powered tournaments to talking to companies. We have made many friends along the way as well.





“Girls should never be afraid to be  
smart”

- Emma Watson



# Memories



# Credits

Entrants: Victoria Jones (16), Jaymie Reynolds (15), Kloe Koeppe (15), Mia Yates (15), Emma Clarke (17)

Team Number: 11124X

Title of Submission: Girl Power: Changing Up STEM

