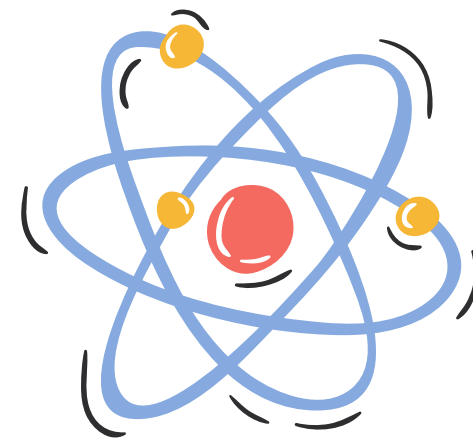


If Someone Has Done It, A Woman is Implied in that Someone Too! 

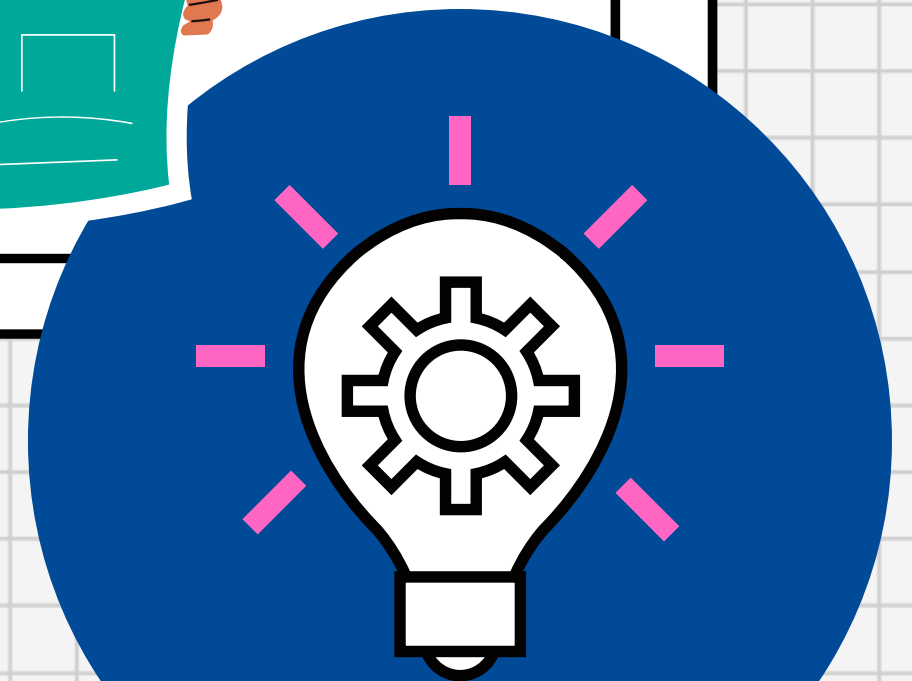


# UNITED we UPRISE

Aarathi of 1082U,  
Lucas, Texas, USA



Girl  Powered

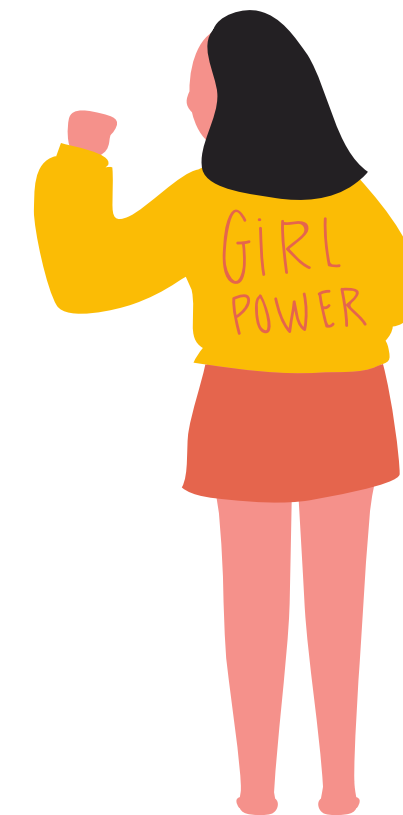
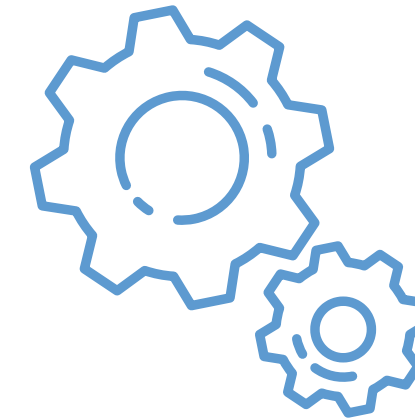


# What Is Girl Powered?



"Girl Powered" to me is empowering young women to achieve the same heights as men in the STEM field. It is being able to work confidently without gender discrimination, which brings out the true potential of oneself leading to greater things. Knowing that we are all in this together boosts confidence and elevates motivation to sustain, succeed, and be an example to future generations.

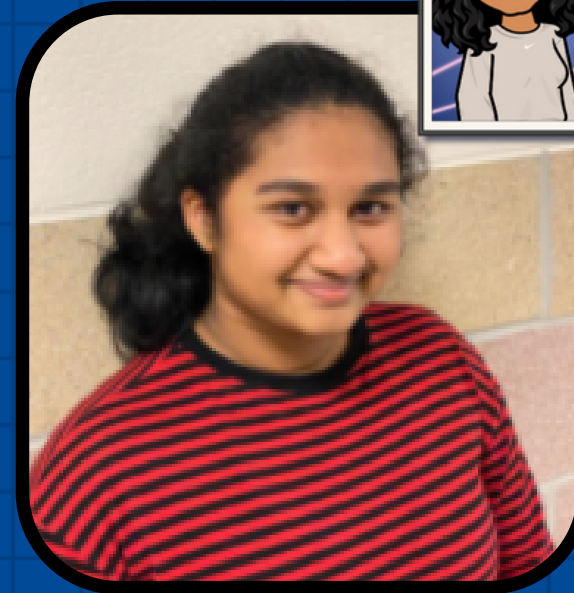
At 1082U, regardless of gender and race, we work together because we know that each of us is a unique superstar. The foundation of our team lays on the 3 principles: Respect, Include and Treat Others The Way You Want To Be Treated. As a team, we strongly believe that we are all in this together!



# Our Team!

1082U  
Don't be Eww  
Be You!

## Uranium Unicorns



Aarathi (Art)(she/her)  
10th Grade  
4th Season in VEX  
Strategist, Driver, Builder, CAD,  
Designer, Head of Girl Powered



Neola (she/her)  
9th Grade  
1st Season in VEX  
Notebooker, Programmer



Molly (she/her)  
9th Grade  
1st Season in VEX  
Notebooker, Driver



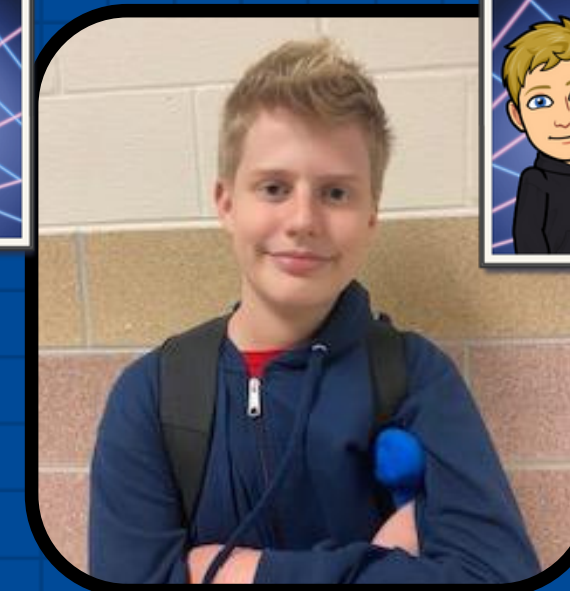
Tristan (he/him)  
11th Grade  
3rd Season in VEX  
Captain, Builder, Designer,  
Strategist, Notebooker



Brandon (he/him)  
11th Grade  
1st Season in VEX  
Programmer, Strategist



Luke (he/him)  
11th Grade  
1st Season in VEX  
Builder, Driver

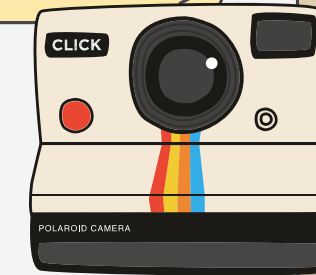
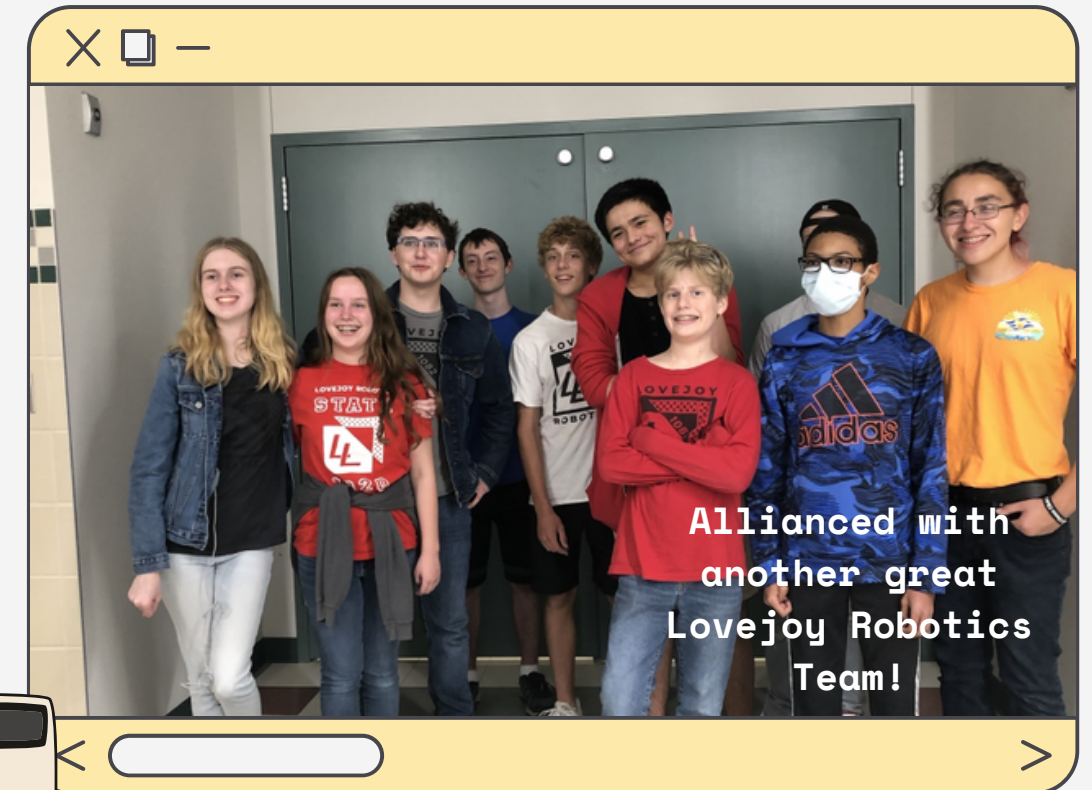
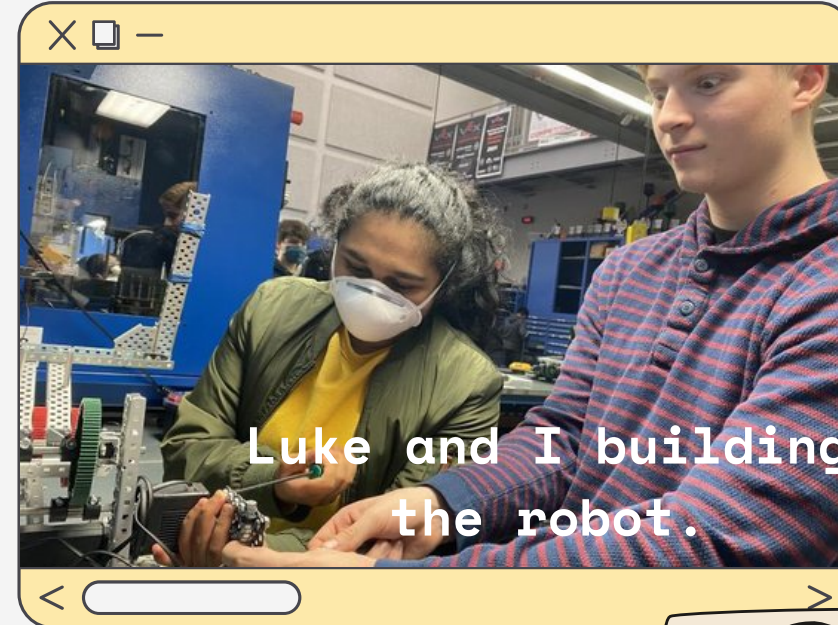


Joshua (Josh) (he/him)  
9th Grade  
3rd Season in VEX  
Project Manager,  
Programmer



Tyler (he/him)  
10th Grade  
3rd Season in VEX  
CAD, Designer





# Team Pictures



United Together As A Team





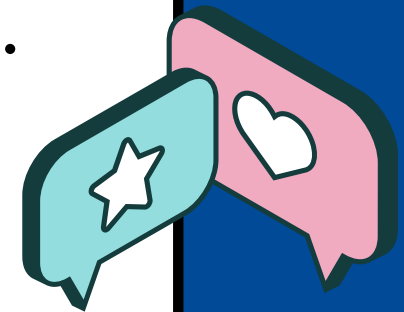


## Acceptance and Inclusivity

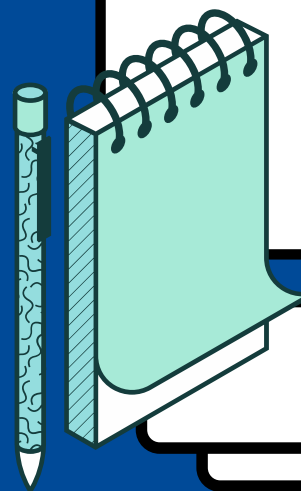


Regardless of gender and race, we strive to maintain an inclusive, accepting, and open environment on our team. We give equal opportunities to everyone because we believe that everyone matters.

This infrastructure gives love for robotics and a motivation to sustain. Everybody is encouraged no matter what they choose to do.



During team meetings, everyone is encouraged to think outside the box and share their ideas. During decision-making for a final design, everybody's opinion is taken into consideration. A girl's opinion is equally as important as a boy's opinion. Our meetings are fun and educational, as we are constantly learning something new about robotics and each other, contributing new ideas comfortably and confidently.



Remember, We're All In This Together.

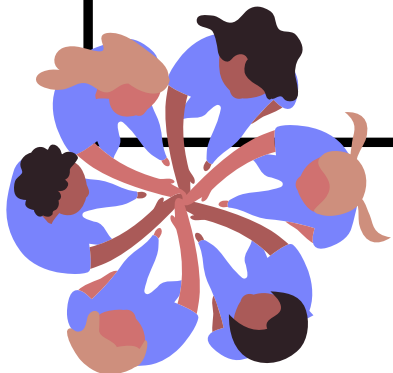


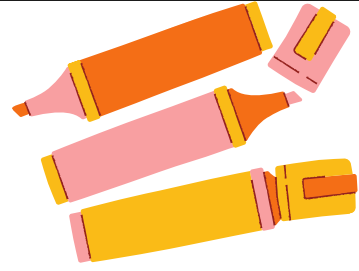
## Diversity



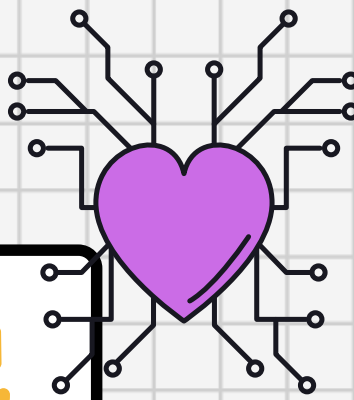
We strongly believe that a key part of robotics is diversity. It brings different perspectives based on experience and personal opinion. This expands approaches to solutions and developments, enabling better problem solving and communication.

Our team is part of a diverse organization in our school called Lovejoy Robotics. We have the opportunity to interact and build connections with teams not only from Lovejoy Robotics but also with teams outside during competitions. Having connections with different teams helped us to collaborate, strategize and build many strong relationships and friendships through the "language" of robotics.



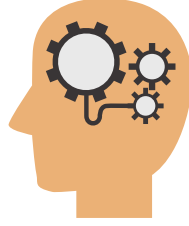


## No Permanent Marker to Your Role

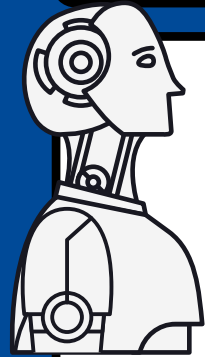


In our team, we believe that a team member's role isn't completely set in stone for the rest of the season. It is essential for each team member to experience each role at least once and experiment with different aspects of robotics as each role is interconnected. For example, CAD and design impact a lot in building, and building impacts driving and autonomous. We strive to introduce different roles to each other on our team by hosting tryouts before competitions. For example, we do not have one specific driver. We choose our driver based on the results from the tryouts. Based on team members' interests or experience, roles are shared and assigned with each other. If a team member is interested in learning about a new skill (building, programming, etc.), we support them in every way and help them learn. Overall, we believe that working together leads to better results than working independently.

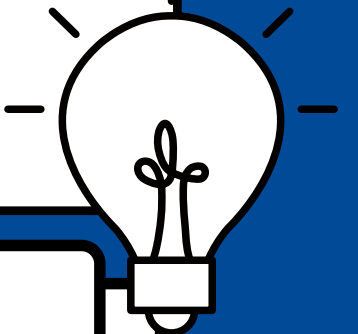




# Diversity of Perspective



Diversity of Perspective plays a major role in our team. Everybody is unique in their own way, and we all have different ideas. This is extremely essential to a team's success because one unique and beautiful idea can completely impact a robot. For example, our team robot has a unique drive-base (holonomic), which is very stable and quick during competitions when compared to the rest of the 10 teams from our school. This is a non-traditional drive-base that is complex to program. We took this as a challenge and made it successful. We believe that this design success is purely because of the diverse perspectives we share during our team meetings.



1082U - U for United and Unique!



# Role Model!



**Reshma Saujani**

**Founder of  
Girls Who Code**

Reshma Saujani is the founder and CEO of Girls Who Code, an international non-profit organization that aims to close the gender gap in technology while also teaching young girls confidence and bravery through coding. Saujani was also the first Indian American woman to run for U.S. Congress, and she wrote 3 books, including the international bestseller *Brave, Not Perfect*, *Women Who Don't Wait in Line*, and New York Times Bestseller *Girls Who Code: Learn to Code and Change the World*.

Saujani began her career as an attorney and activist. In 2010, she ran for U.S. Congress for New York's 14th Congressional district. During the race, Reshma visited local schools and saw the gender gap in computing classes firsthand. When she realized she wasn't passionate about politics, she decided to look where she could make the biggest impact and found that there were no coding programs for girls, which led her to start Girls Who Code. She also served as Deputy Public Advocate for New York City and ran a campaign for Public Advocate in 2013 on a platform of creating opportunities for all.






**Reshma Saujani is a great influence on young girls like me. She is an advocate for a new model of female leadership focused on embracing risk and failure.**

Prior to joining Robotics or Girls Who Code, I was intimidated to participate in STEM-related activities at my school because it was always dominated by boys. When I first participated in the Girls Who Code Summer Immersion Program, I had the opportunity to experience the support system that was given by all the volunteers, mentors, and interns. Not only did I learn how to code, but I also had a great opportunity to express my creativity, display my leadership skills, and felt supported in my presentations and coding skills during the final project showcase. As a reward, I had earned a Sphero Bot (my first-ever robot). Participating in this program made me feel confident to pursue the STEM path. It created a pathway to my STEM interest and ultimately guided me to the wonderful world of Robotics.





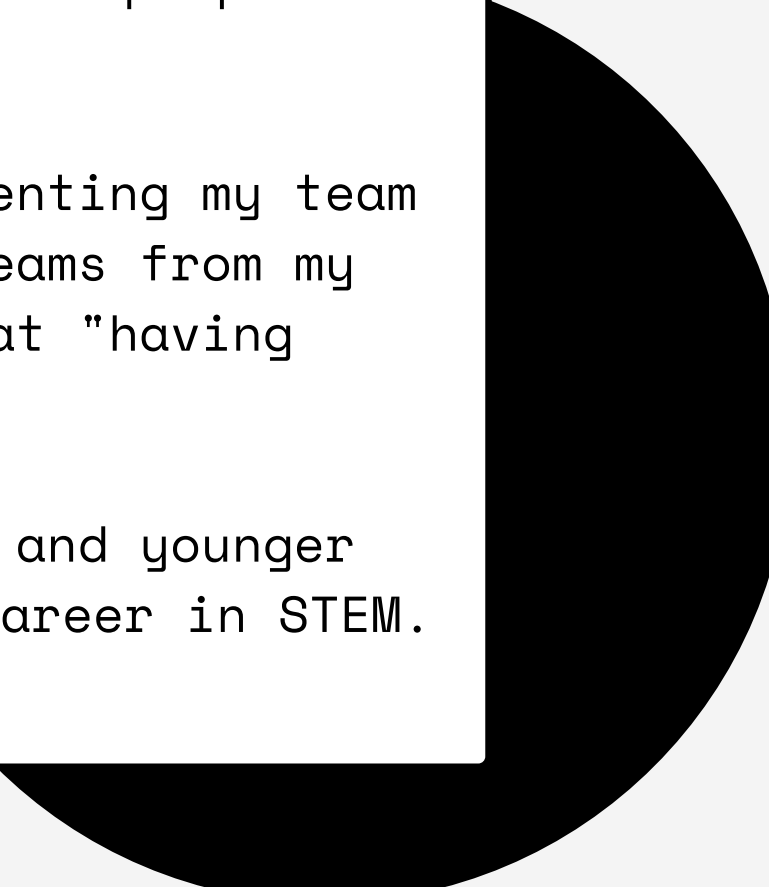


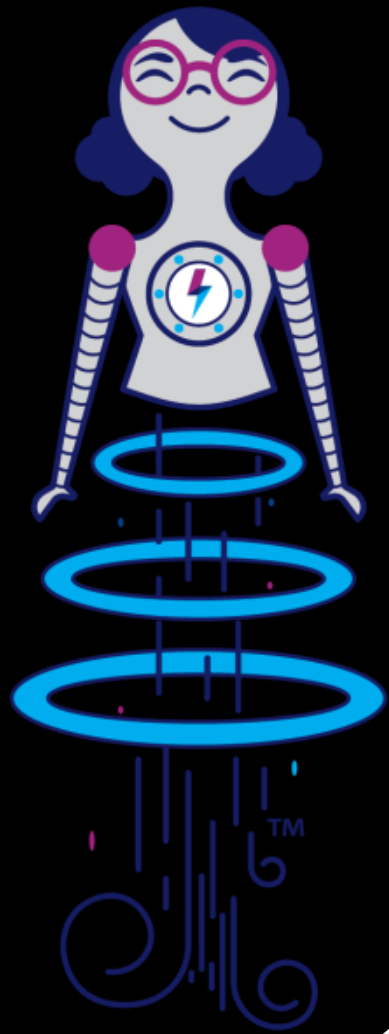
Reshma Saujani's story definitely inspired me to be a strong leader and an advocate for STEM. This created a passion and love in me to influence my peers, especially girls to join robotics. At the beginning of the school year, I take pride in recruiting students to join robotics by sharing my experiences and explaining about VEX. I also love giving tours of our lab and introducing VEX Robotics to interested students.

Over the summer, I got the opportunity to represent VEX Robotics and advocate for STEM education through SASA (Student Association of STEM Advocacy) to Texas Senators and Representatives. The purpose of this program was to request funding to support STEM education for all schools across Texas. I got to share my STEM experience along with students from various robotics teams across Texas. I was the only girl from my entire school to take part in this event. This experience helped me in gaining a deeper understanding and appreciation for robotics as I collaborated with different teams. I believe that robotics is not just building a robot and participating in competitions, it gave me a broader perspective to see people regardless of gender and appreciate their knowledge and skills.

I was the first girl to participate in the Girl Powered Online Challenge, representing my team from my school. It makes me feel proud that my initiative has inspired other teams from my school to take part in this challenge representing their teams. I believe that "having influence is not just elevating yourself, but about lifting others."

I look forward to sharing my experiences, encouraging and influencing my peers and younger generations. I am hoping to pursue robotics throughout high school and pursue a career in STEM. My dream is to incorporate robotics in whatever career field I do.





Girl Powered isn't about wanting to achieve a completely female dominant field. In fact, it is about empowering and coming together to narrow the gender gap in STEM. It is equality. Our team strives to create an inclusive and diverse environment, and we hope to inspire other teams to do the same. United we Uprise!





# Cited Work + Credits



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Team: 1082U, Uranium Unicorns, Lovejoy Robotics

Template: Canva Gray Blue and Black Digitalism Group Petty Debate Game Fun Presentation

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