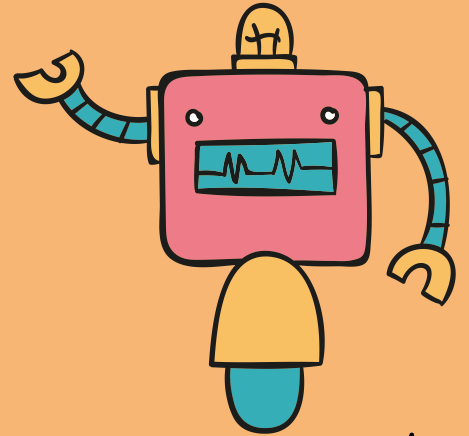
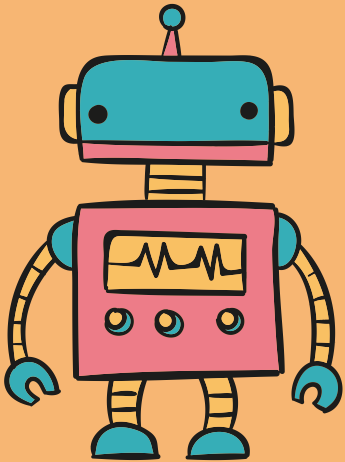


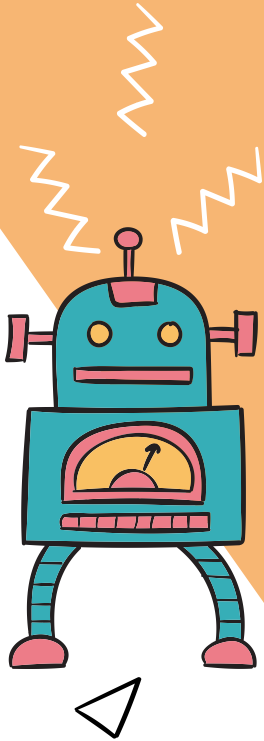
# Starting Small: Gender Equality with Girl Power

By: Ivy, Sally, Yuelin  
Team: 8891 C  
EDUBUS, Irvine



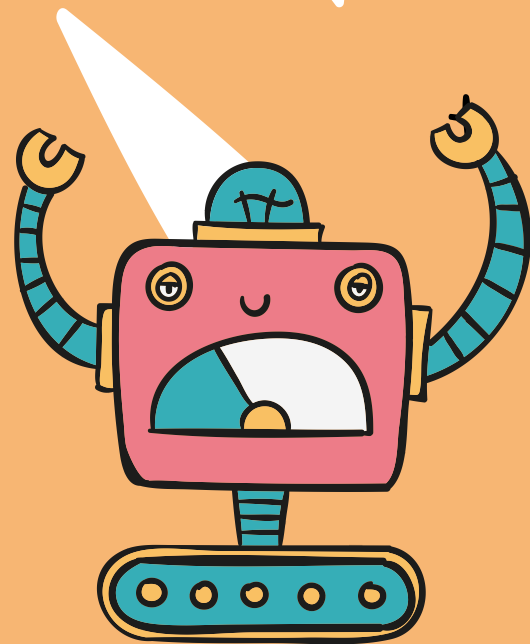
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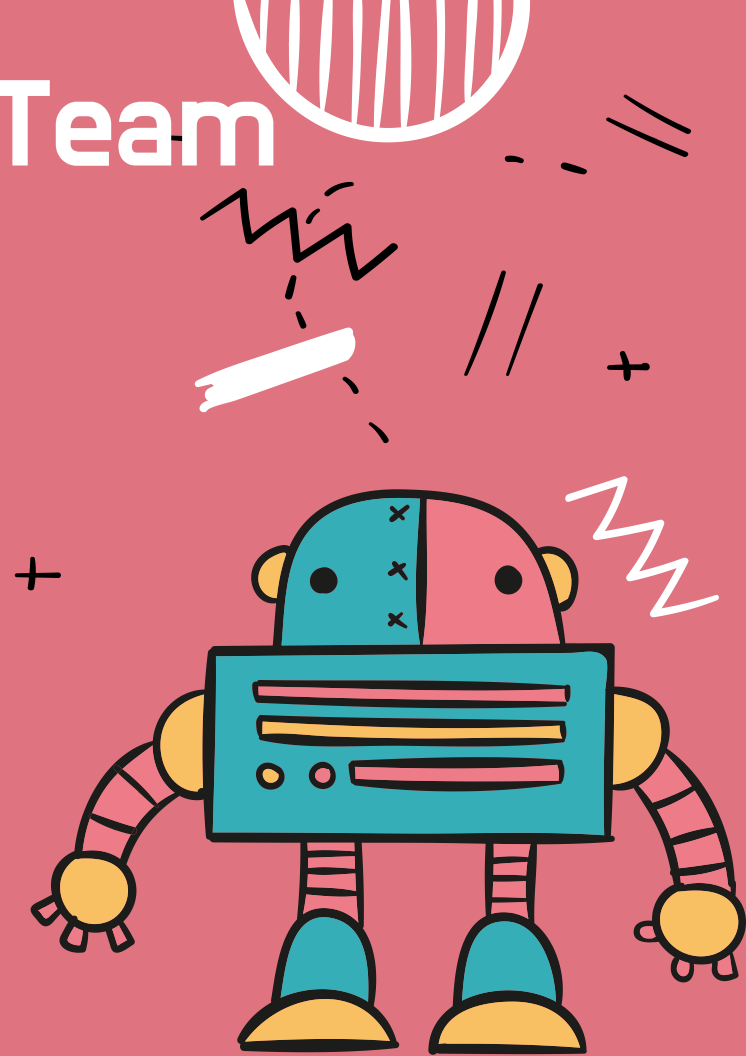
01.

# Introduction to the Team



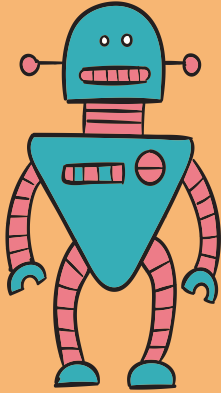
# Introduction to the Team

What can we do to succeed? What can we do to make our team better? We ask ourselves these questions everyday. In our optimistic, hard-working, and small group of 3 girls, we try our best everyday to win and thrive in what we all come together for and love: robotics. Our 3 members are called Ivy, Sally, and Yuelin. Ivy, the driver, builder and programmer, enjoys basketball and programming. Yuelin, the driver and builder, loves reading. Sally, the leader and builder, likes to paint in her free time. In this presentation, we will show you the importance of Girl Power, and



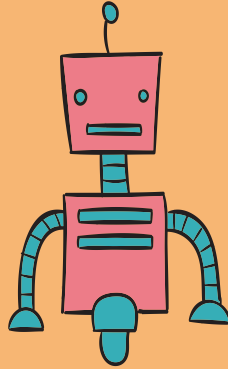
# Our Team

+



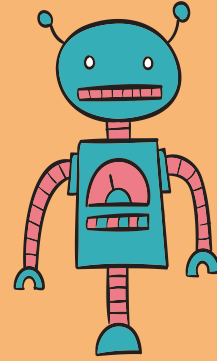
Ivy Liu

Driver, builder, and  
programmer



Sally Cao

Builder and team leader



Yuelin Cheng

Driver and builder

# Sally

Hello, my name is Sally and I am thirteen years old. This is my fifth year in robotics, and I will be pit crew and team leader this year. My interests include cooking, drawing, gaming, and writing. I aim to assist more women in becoming involved in STEM.





# Ivy

My name is Ivy Liu, I am 13 years old, and this is my fourth year participating in VEX IQ Robotics. Basketball, badminton, and gaming are my hobbies. In this group, I am the programmer and driver. Throughout this project, I hope to encourage more girls to pursue careers in STEM.



# Yuelin

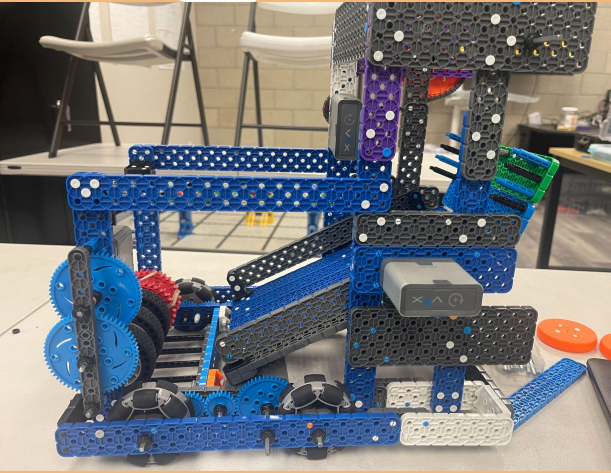
My name is Yuelin Cheng and I am 12 years old. This is my first year learning robotics and participating in VEX IQ Robotics. I enjoy in music and reading all kinds of books and novels, I also have a hobby of playing piano. My role in this team the builder and driver. I hope to use my limited influence to achieve gender parity among STEM.



I BELIEVE IN THE  
**POWER OF  
WOMEN**  
LWV

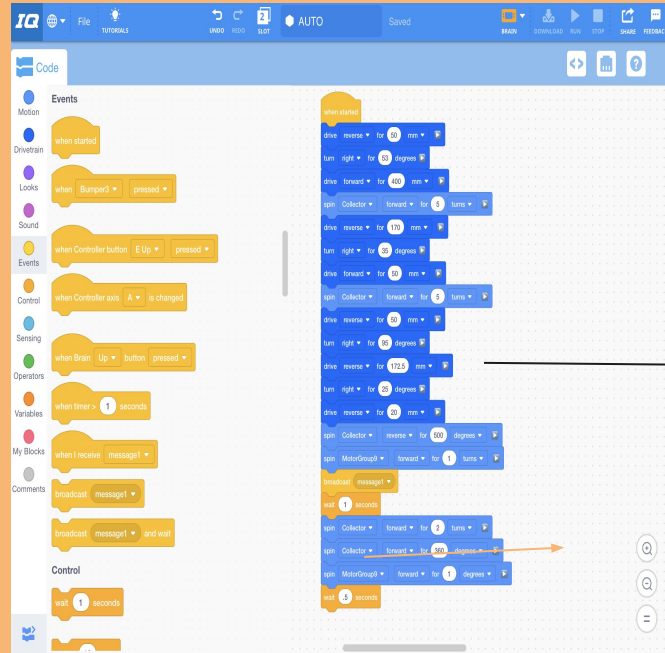


# Our Robot - Galaxy



## Capabilities:

- Collect disc
- Launch the most of the disc to the 4 points zone
- Able to collect the disc from 4 dispensers



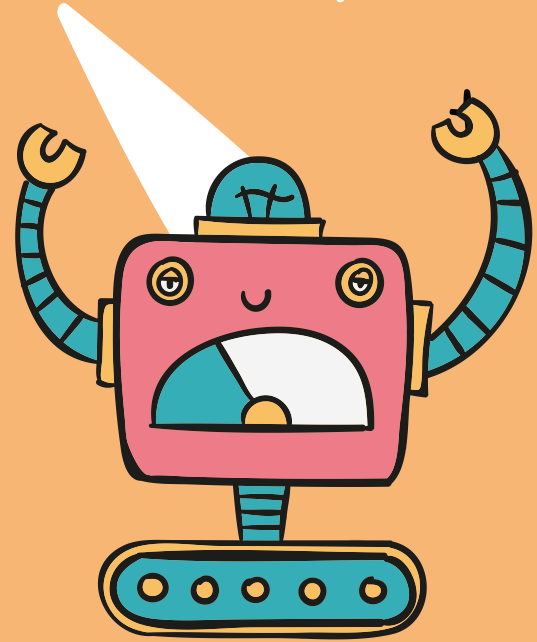
Process of Coding:

1. Set up all the devices and motor
2. Choosing which motor and which plot are going to be connected.
3. Set up the controller and start to code the speed of the robot. Make adjustment while practice driving skills.



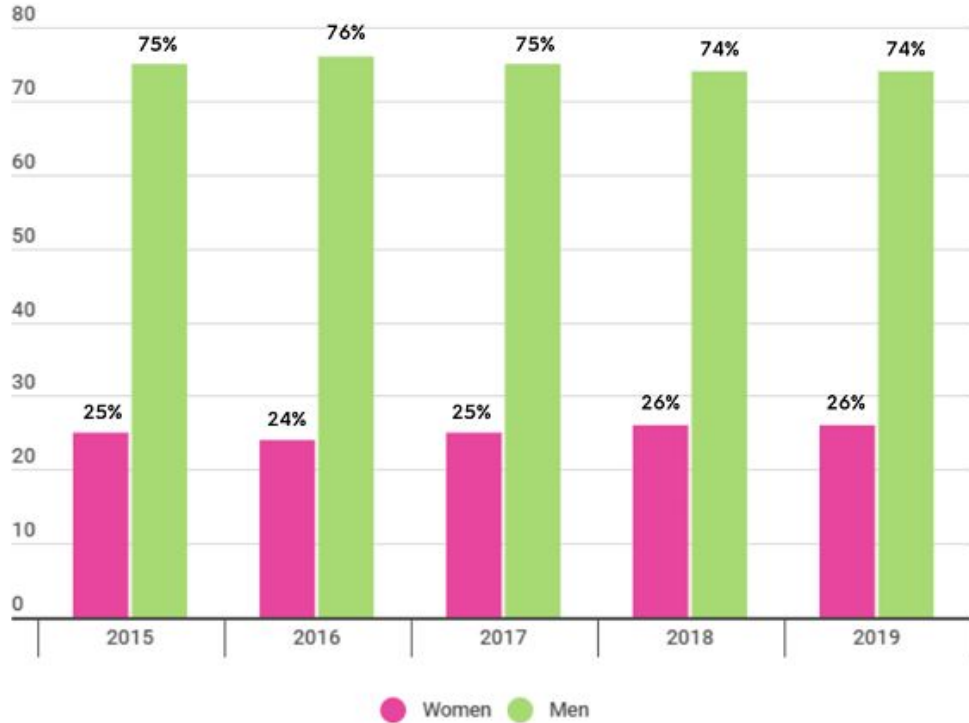
02.

What Girl Power  
Represents for Us



# Traction

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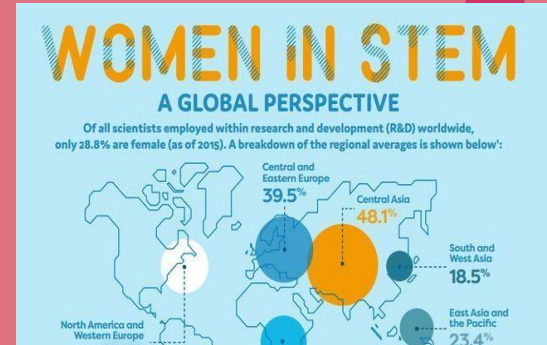


This graph shows the average amount of women who participate in STEM each year compared to the average of men between the years of 2015-2019.



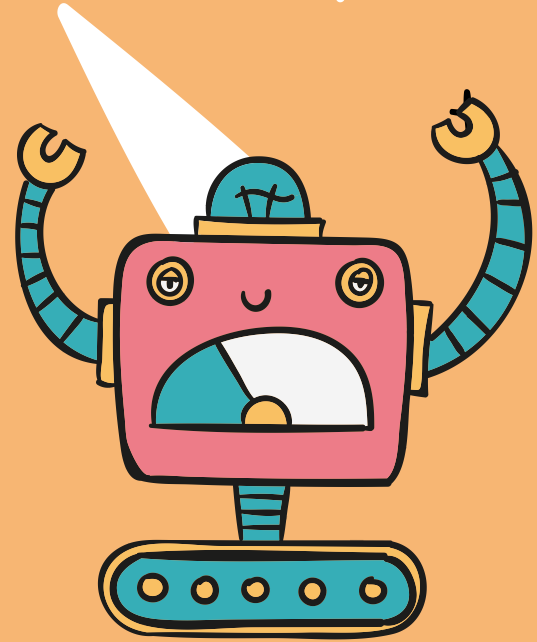
# Girl Power

When we look at the word “Girl Power”, the first thought that comes to our mind is equality in strength. Girl power is something that helps women and girls be able to be heard and seen with no stereotypes, not just in STEM, but in all criterias. The female gender shouldn't be viewed differently when it comes to STEM, because “men can do better than women”. Not only in STEM, but also in other areas similar to science and math. Girl power also means that girls should also have their own power and strategy. We're not trying to show that women can do better than men, we are simply trying to show equality.



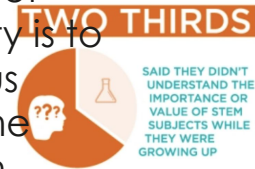
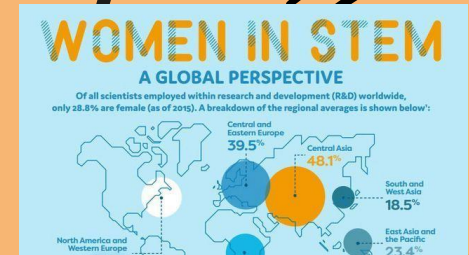
03.

# The Importance of Diversity



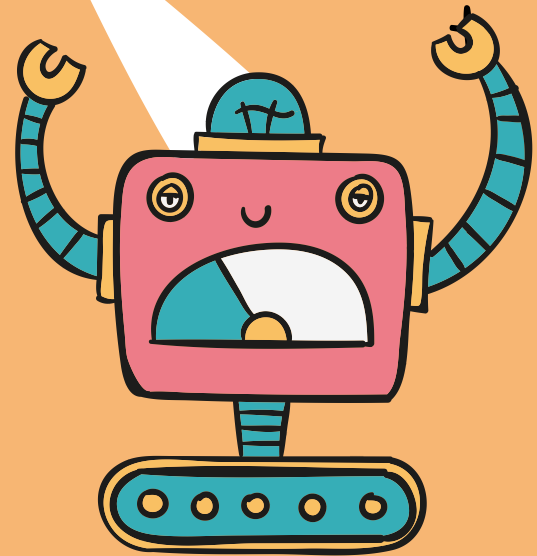
# The Importance of Diversity

To us, diversity is something thoroughly seen in our team. In the beginning of the season, we were all complete strangers, and joined together only because we were similar of age. We had different ideas and often argued and disagreed with each other. It was very distracting, and caused our team to move very slowly. We all realized that this was a huge problem, and decided to talk through it. When we could actually have time to understand and know each other, it was easier to do actions that were less conflicting. We found that although we were different, we still shared the same interests in robotics, and that helps us work together. Although we are similar, we are also still special as individuals, and I think that is the idea of diversity. In our team, we, as different individuals, united as one. Diversity is to help people understand others without stereotypes. This team helped us learn the importance of diversity, and we also helped this team become diverse. Sitting down and actually communicating is how we create an inclusive environment. It is effective, and helps people gain voices.

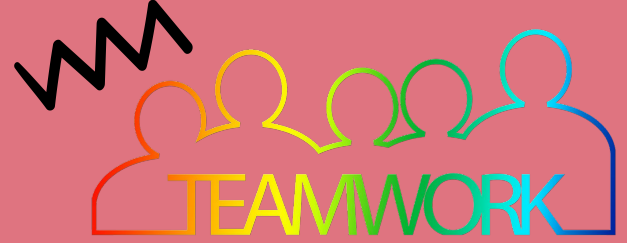


04.

Trying New Roles



# Trying New Roles



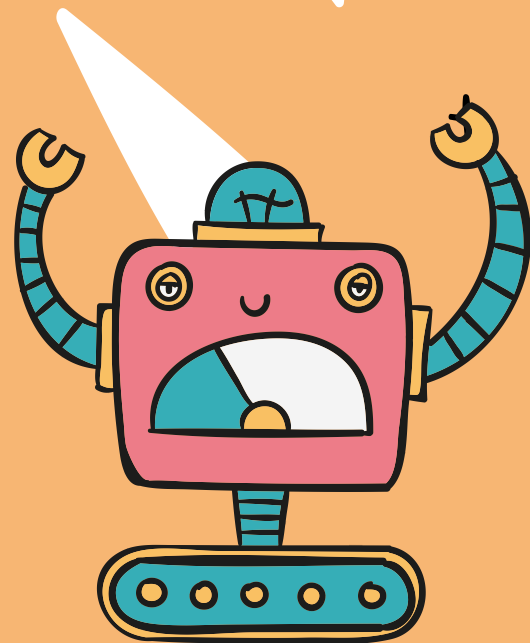
In this season, our team members all have assigned roles based on what they are most skilled at. Obviously, figuring out these roles meant also trying new roles as individuals. In the last season, Ivy was more focused on programming, but this year she also worked on designing and building the robot. This is the first season for Yuelin, so figuring out a role for her was more difficult. However, she tried different roles and found that building was more suited for her. During this process, she mostly built and designed the robot, but also learned more skills on driving and writing the notebook with help from Ivy and Sally because she was willing to try new roles. Sally worked more on the notebook last year, and this year she carries on the role, but also learns more in programming and driving because she wanted to go further. This way, we can all learn skills and be substitutes for each other, but at the same time understand each other further. Trying new things can help us learn the hardships of each other, and this helps us connect further, learn more, and solve conflicts.





05.

**Women in STEM:  
Dr. Lanying Lin**



# Dr. Lanying Lin - Our Role Model



Engineer, scientist, and politician Lin Lanying was born in China on February 7, 1918, and passed away on March 4, 2003. His birth date was February 7, and his death date was March 4, 2003. She is someone we look up to as a role model because she is very relatable to us in many ways, and despite living in a time and place where women were stigmatized, she was able to pursue the life of her dreams.

Lin spent her childhood in Fujian, and she always favored the idea of going to school over spending her days socializing with the other women and doing housework. However, at the time, there were a lot of gender norms in society, and her mother was very strict about adhering to them. Lin would shut herself up in her room, refuse to eat, and go to school as a form of protest against the situation. Finally, her mother gave her permission, and she continued her education right up until the outbreak of World War II. Despite this, she was able to complete her education at a school for women and went on to earn her bachelor's degree along with a full scholarship from the college she attended.

# Dr. Lanying Lin - accomplishment

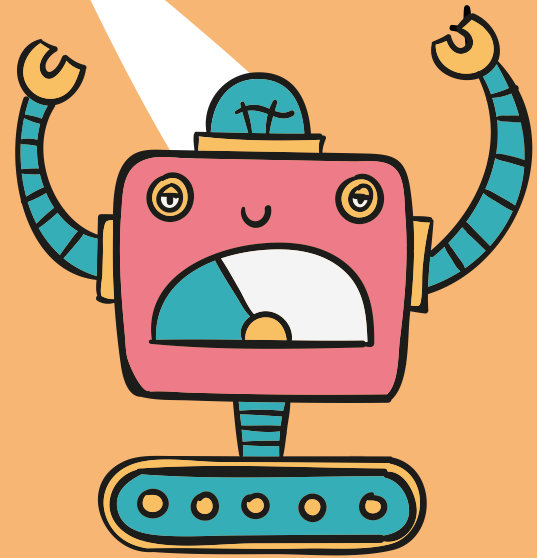


Lin is credited with being the first person in China to manufacture monocrystalline silicon and gallium arsenide. She had traveled to the United States in search of additional opportunities in the field of science. She has demonstrated that women are capable of performing at the same level as men, as her achievements are something that even the majority of men are unable to achieve at this time. She has spent her life advocating for the advancement of women's rights, and she is passionate about science in every conceivable way. We have a lot of respect for her because of how brave she was under such trying circumstances.



06.

Conclusion



# Conclusion

In conclusion, the Girl Power project illustrates how far our society has come in terms of understanding and acceptance of diverse groups. Additionally, it encourages the younger generation to identify their strengths and informs the public that STEM is for everyone, regardless of background. Every time we enter a competition, we strive to use our influence to encourage more girls to pursue STEM-related careers. Last year, we had get into the world competition and won a design award. So that we can shared our own experience to convince them that if we can accomplish something, so can they. The project instills an attitude of acceptance in the younger generation and demonstrates equality for all.

This slideshow template is made by SlidesGo, and here are the resources:

[https://en.wikipedia.org/wiki/Lin\\_Lanying](https://en.wikipedia.org/wiki/Lin_Lanying)

[https://www.laitimes.com/en/article/3qp1s\\_47e1c.html](https://www.laitimes.com/en/article/3qp1s_47e1c.html)

[https://en.wikipedia.org/wiki/Girl\\_power](https://en.wikipedia.org/wiki/Girl_power)

<https://www.stemwomen.com/women-in-stem-percentages-of-women-in-stem-statistics>

VEX IQ Challenge Middle School - Innovate Division

Award	Team #	Team Name	Affiliation	Location
Teamwork Challenge Division Champions	6677A	Never Give Up	Mingdao High School	Taichung, Chinese Taipei
Teamwork Challenge Division Champions	16868B	Pliethon		Markham, Ontario, Canada
Teamwork Challenge Division 2nd Place	1116X	ROCK-IT-BOTS Xtreme	Rock-IT-Bot Kids	HOUSTON, Texas, United States
Teamwork Challenge Division 2nd Place	42842A	Infinity	Private team	Sammamish, Washington, United States
Teamwork Challenge Division 3rd Place	29766B	Quarry Lads & Lassies B	Stinesville Robotics Team, Limited	Stinesville, Indiana, United States
Teamwork Challenge Division 3rd Place	47X	CyberGash	Evergreen Middle School PTSA	Redmond, Washington, United States
Amaze Award	3207A	Vipers	Magikid Robotics Lab	Diamond Bar, California, United States
Build Award	22250B	The Pack	EI RANCHO CHARTER SCHOOL	Anaheim Hills, California, United States
Create Award	29766B	Quarry Lads & Lassies B	Stinesville Robotics Team, Limited	Stinesville, Indiana, United States
Design Award	8891C	EDUBUS Carnival	EDUBUS	Irvine, California, United States
Energy Award	78335C	Just Roll With It	PINE CREST SCHOOL	Boca Raton, Florida, United States
Innovate Award	25757A	Savage Bots	Nysmith School For The Gifted	Ashburn, Virginia, United States
Inspire Award	83203E	Astrobots	OSCEOLA SCIENCE CHARTER SCHOOL	Kissimmee, Florida, United States
Judges Award	90500B	Robot No.1	Robot No. 1 Education & Technology Inc.	Markham, Ontario, Canada
Sportsmanship Award	40203G	Meyzeeek Bear Bots Girls	MEYZEEK MIDDLE	Louisville, Kentucky, United States
Think Award	6677A	Never Give Up	Mingdao High School	Taichung, Chinese Taipei

