



Tipping Towards Our Point



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Location: Flushing, NY

Ring the Phrase

For many the phrase “Girl powered” means the ability for girls to be independent. For many, it means the power for girls to change the world. Instead, to us the phrase reminds us of doing the things we can do to its best.

For many years, robotics is an activity that many interpreted for mainly boys. Recently, many girls have joined these fields for building, coding, designing and more!

To change this interpretation, our team decided to recruit students of all genders to participate and increase their experience of each member’s common interests in robotics.



There is no “I” in Team



Not only is our robotics team working on improving our skills on coding, design, and building, we also work on our skills on teamwork and communication.

While working on teamwork and communication, we are also educating and learning about team members and ourselves. Hence, we encourage each other to go out of our comfort zone to learn about other roles on the team.

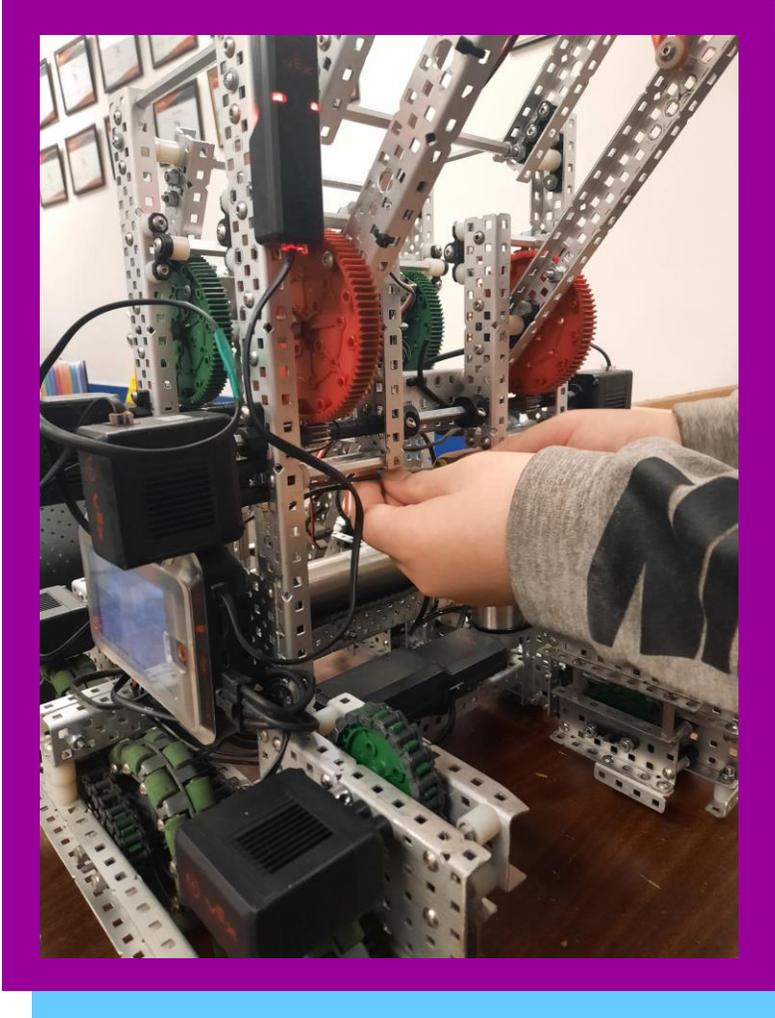
Since majority of the team is newly recruited, we allow them and ourselves to explore more on the topic, helping them learn and feel included. For example, the secretaries on the team would assign everyone work on the engineering notebook, helping many members that are builders or coders understand concepts of how important the notebook is.

Our goals are to succeed in this season, Tipping Point. To succeed, we decided to recruit members that are diverse. We each have our own perspectives to add onto our builds and designs, making the robot more efficient. We also pitched in different ideas for autonomous codes and the design of our engineering notebook.

Each of our ideas allows more choices and a higher percentage to strive in the season. Each member's idea benefits the robot by allowing different ideas to form, giving better designs and maybe even adding the idea another member didn't think of.

Diversity also allows the team to not only practice communication but also allows them to learn more about others. It helps members be open-minded and understand each other, therefore helping the team get along to work as one. Hence, the saying there is no “I” in team.

Exploring the Fields

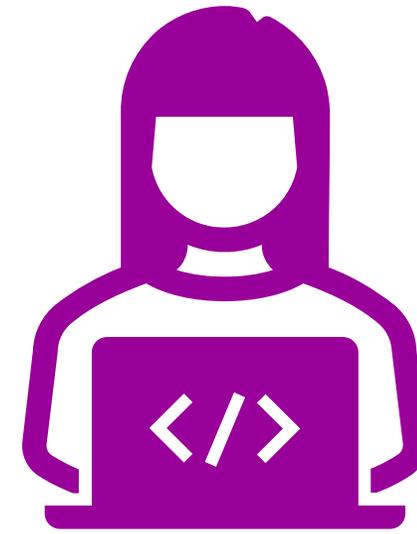


Our team encourages each and every member to step out of their comfort zones. In order to fully experience robotics, our executives would encourage each team member to try other's roles, not only to have more progress but also to find their own interests and discover their own skills. To do so, every member on the team would play a role in the engineering notebook. From entries to sketches, while each member work on the engineering notebook.

Every member has also helped with building and designing the robot. From placing c-channels and screws to coding the robot, every member was able to participate in these activities to help prepare the robot for matches. Multiple members also helps with programming and strategy planning. These skills help members learn about the importance and how hard it is for the robot to perform properly. It also helps the team manage time and resources.

Our Inspiration

Our inspiration to join this team is because of Ada Lovelace. Not only is she a woman in stem, she is also the first to explore computer programming. Ada Lovelace and Charles Babbage decided to create a device that can perform mathematical calculations. Lovelace started programming even without computers, hence creating a series codes using letters, numbers, and symbols, along with a method of looping which many programmers today still use.



The reason why Ada Lovelace was our inspiration was because she made changes to the world. Not only with making and creating computer programming, but she had also proven that women can contribute to stem. Especially during the 1815's where women were looked down majority of the time. She proved to us that everything is always possible despite how difficult it may be. Her story reminds our team how important team work is and how it is important to remember that everyone is crucial to the team. And a reminder to each member that they may even discover something new during their experience!