

“Don’t Forget To Breathe”



Team 3796C

Started From The Bottom

When our team was founded, we were a group of five girls with no previous experience in robotics. As a result, our team's initial goal was to improve our understanding of robotics rather than achieving a certain rank.

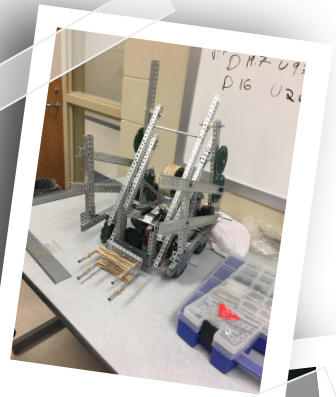
At first, all of us were insecure about our lack of knowledge and too shy to contribute much to team discussions. This weakened both our robot and our intra-team relationships.

After a discouraging and stressful first year, we realized that we had learned a lot, and had come a long way since the start of the year. This revelation united us and inspired us to come back stronger next year.



Teamwork Makes The Dream Work

That summer was when we started to meet outside of school to work out our design. We became closer friends and more confident around each other, and each contributed her ideas to the design. We ended up with a unique robot, dissimilar to the other teams'. Though it didn't perform as well as theirs, we were proud- it was a testament to how far we'd come from the start.



Limits Only Exist In The Mind

Our second year was when we started to win awards, and it surprised us every time. We never thought we had the capacity to win- but then we kept doing it.



As our school's newest team (with only one year of experience), we not only received the first ever award for our robotics program, but we were our first team to earn an invitation to the World Championships.

Diversity of Perspective

When we attended Worlds, we were one of the only teams in our division that had any unique component in our robot. The Judges gave us the Innovate award for our creativity, which cemented our belief that our diversity of perspective made us powerful.



At our school, the boys in the other teams already had a set robot design in mind, because they knew what works and what wins. Us girls didn't have this knowledge, so we had to think outside the box to compete. We think this difference in starting points offers an opportunity for creativity, and is a reason why girls can offer different perspectives in innovation.

Girl**⚡**Powered
connect

meeting in
B102-B104

Wednesday
from
3:00-4:00 PM



Our STEM role model

Our stem role model is Mithuna Yoganathan, a quantum physicist and the creator of the YouTube channel Looking Glass Universe. We look up to her due to her dedication to teach and explain the principles of her field to the general public in order to inform and inspire others to be excited and curious about STEM.



We also look up to her because she has explained in a previous video about her journey through STEM and how at one point in her life she struggled a lot in math. We find her dedication to improve and follow her passion inspiring, and it reminds us when we experience troubles that improvement is always possible.



Inclusive Environment

As new members are introduced, we encourage them to try out anything they express interest in. Some things they are naturally drawn to and are good at, and other roles they find they are incompatible with. We give new members the freedom to pick any role they like, so our team attracts people with many different interests.





Riley, captain & programmer
Riley has had a passion for programming since day one, so she was an apprentice programmer her first year. She then became the main programmer for our team.



Yanis, driver & designer
Yanis is a natural at driving the robot because of her video gaming experience, but she is also proficient at art, designing robotics T-shirt and even the layout for this online challenge!

Anna, documenter
In her first year, Anna showed organization and interest in the notebook. She became our documenter, and has written our notebook for the past three years.





Salome, builder

Salome shows initiative in building. She always volunteers to help build a mechanism and shows an extraordinary curiosity of why things work.



Lakshana, apprentice programmer

Lakshana expressed an interest in programming, so she is Riley's apprentice programmer.

Arya, apprentice documenter

Arya is currently Anna's apprentice documenter, and her spatial skills have made her very good at technical drawings.



Be The Change You Want To See

Since our team has come such a long way, we feel a responsibility to inspire others. Our team organized a trip to a children's hospital, where we let kids drive around clawbots and answered their questions about robotics. It was fulfilling to watch someone else enjoy something that we have worked to grow over the years, and we hope to volunteer more in the future.



Girl Powered means....

For us, Girl Powered is an idea that embodies a space for girls to feel comfortable and welcome in their introduction to STEM. Our team attracts a lot of inexperienced girls that don't see another place for them in robotics, that would not have otherwise joined.

In our school's highest-level engineering class, Engineering Design & Development, there are 11 students- only 2 are girls. The ratio in lower-level engineering classes is even more extreme. It's easy for girls to experience a feeling of inferiority in STEM because they don't see a place for themselves.

In our third and fourth years of existence, our team has become the space we needed to thrive when we first started. We aspire to be strong role models not just for girls, but also for anyone feeling unempowered, scared, or nervous about pursuing a career in STEM.



“In life, there is no such thing as impossible; it’s always possible.”

Venus Williams



Team 3796C

Arya Desai

Yani DeVoe

Salome Gibson

Riley Gleaton

Anna Hughey

Lakshana Raja

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To Breathe!