

VEX IQ Challenge Girl Powered Online Challenge Sponsored by Google



53817A

HALO

Hello! We are the power girls from team 53817 “HALO”. We will tell you all about our powers.



We would like to present ourselves:



Hi, I'm Bianca Vázquez (Builder)



Hi, I'm Dahiana Colmán (Engineering Author)



Hi, I'm Ara Pereira, (Builder)

Let's begin!

These are our team members and their roles:



1. Hugo is the Captain, 3D Designer, and Driver
2. German is the Programmer and Driver
3. Dahiana is the Engineering Book Writer
4. Bianca is a Builder
5. Ara is also a Builder.

Our team has 5 members. Each role, opinion, and idea are very important to us. They are heard and analyzed 100% of the time.

The teams beginning:

The team 53817A began in a small robotics club at school. This is a very good club, because not only our peers at school can benefit from it, but all the children from our community are welcomed to join. Matter of fact, our team member Ara Pereira, heard about this club and joined. She was chosen as one of the best from the club and joined our team to compete and represent our school Gabriel Casaccia.

All of us were chosen form this team, because we worked the hardest and had better results.

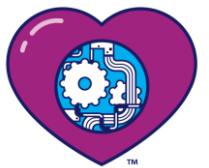
At the beginning it was hard to learn to work as a team, but little by little, we were able to work out our difficulties and now we are like a well oiled machine; a family.

Dahiana (13 years old):

What comes to mind when I hear the words Girl Power?

The first thing that comes to mind is that women can do anything that they put their minds to and take the weight of the world on their shoulders without falling.

Since ancient times, the society has shown us that only men were able to be involved in the sciences and other challenging tasks. To be honest that is not the reality. Day by day we see women fighting and working even harder than men to prove that they are able to do the same work and overcome the same challenges.



My Role



I'm in charge of the Engineering Ledger for my team. I enjoy writing and documenting the whole process about the design, construction, and programming of our robot. My role is very important, because every scientific process needs to be documented, and the engineering ledger is very important in the competitions.



My Experience in the NRL

My experience with robotics started when I joined the club at Gabriel Casaccia School. Eventhough I don't attend that school, I was given the chance to join and participate in the competitions representing the school. Our coach chose me, because I enjoy building things. Five of us were chosen to form the team that was going to represent the school at the National Robotics League.

We've already participated in four competitions and I learned a lot with my team members, and even more with our coach. At the beginning I had difficulties relating to my team mates, but little by little it got better, and now we are a tight unit.



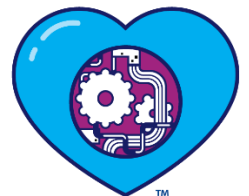


“We are friends who work together and it works perfectly”

Ara (11 years old):

What comes to mind when I hear the words Girl Power?

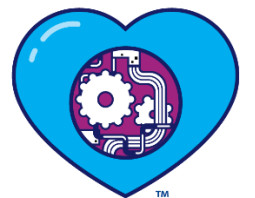
The first thing that comes to mind when I hear Girl Powered is that women now have more opportunities than before and that we have the ability to take advantage of them, and now it is more than proven that we can do the jobs that used to be just "for men." We have interesting thoughts for the robot and we take care to make it happen. I think that all women can do more if we give all to move forward.



My Role



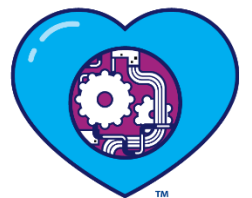
I am the builder of my team, together with Bianca, I like to build a robot from scratch, from my imagination, I like to learn about the techniques that are important for the robot, as are the gear ratios, mechanisms of lift among others.



My Experience in the NRL

My experience in robotics began in the Robotics Club of the Casaccia school, then I entered the competition team, I am not a student of this institution but they still gave me the opportunity to be part of the competition team that represents the school, I like to build and that's why the teacher invited me to the team. We were five students chosen to represent the school in the National Robotics League.

We already participated in four competitions and I learned a lot with my classmates, and with the teacher I learn more. At first it was hard to relate to all of them for not being a student of the school, but over time we understood and now we are a very united team.





“The robotics
gave to me
more than
partners, friends”

Bianca (13 years old):

What comes to mind when I hear the words Girl Power?

The first thing that comes to mind when I think of the word girl powered is that women are able to do what we propose; That we can make of a dried seed a fruitful tree, with a unique delicacy and elegance, of a woman.

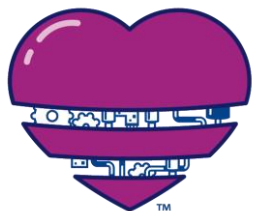
I would like to demonstrate with this opportunity is that women are also capable, I would like to break that taboo that women are only housewives, to change the ideology of “only men” that exists, to show that we can also do things that are supposedly only Men can do it and we can even do it better.



My Role



Well, as for my role in the team I am a builder; All I have to say is that I love what I do, I love my role.



My Experience in the NRL

Great I would say, if there were many highs and lows, but no, I have nothing to object; Since every mistake is learned.

also say that being a builder is fun, apart from helping you to work the mind to solve the problems that arise, experiment with the pieces in how to be on top of a mountain and the wind gives you in the face





“Every woman has aptitude to stand out, and this is what my friends and I will do”

Our Role Model



We chose our coach Melissa Gonzalez as our role model, because without a doubt she is an inspiration to all of us. Not only is she our Robotics Teacher, she is also studying Computer Science at college and she is developing her own software business.

In 2013, when she was only 17 years old, she was and Algorithms Teacher. In 2014 she started her studies at the National University of Asuncion, at the Polytechnic College. She also worked as a software developer for a few companies for two years.

It was in 2016 when she decided to expand her knowledge and teach her great passion which is Robotics. She has participated in two World Robotics Championships. The first one was in 2017 with a VRC team and the second was in 2018 with the IQ team from our school, that now are VRC.

She has shown us that a woman, regarding her age can succeed in technology and inspire girls like us, with patience, kindness, intelligence. With her by our side we will go far.

