



10173C: GIRL POWERED

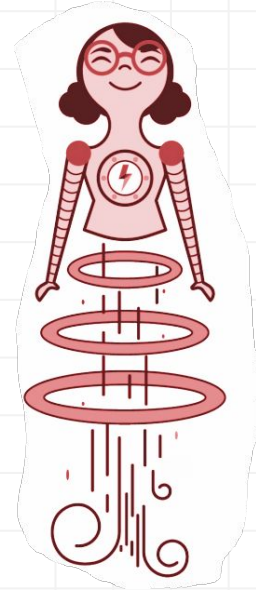


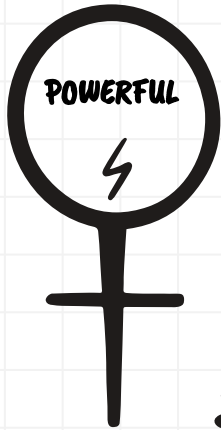
Saumya, Labdhi (HBS Momentum)
Henrietta Barnett School
Barnett, London, United Kingdom



Team 10173C presents...

Power has
no gender!





Throughout history , women have been the inferior gender - the gender that was deemed as powerless and expected to complete household chores and obey the men of their society. However , times have changed and women of all ages have been climbing the ladders of success proving to the world that they are and will forever change stereotypes once and for all. After all , “a woman with a voice is a woman with power” .

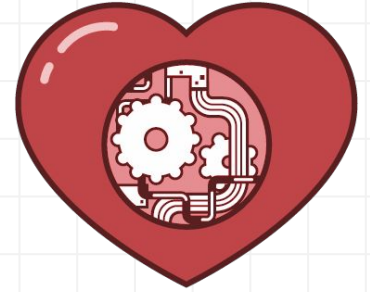


What does girl power mean to us?



To us, power is not defined by a gender and hence we believe that 'girl power' is simply the motivation that we create within the team to work together to achieve a goal. Power certainly is not a label; it is something that every single person in our team creates themselves, to work harder and smarter together. We certainly do not think being a 'girl' puts us down. It is most certainly something that we accept and being a 'girl' empowers us to work harder.

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ABOUT US

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Who we are



Hello, we are Saumya and Labdhi (sketchbooking team) and we are from team 10173C (HBS Momentum). We are from Year 9 (14 years old) and this is our first season of VEX IQ . We have competed in 4 competitions so far all over London and qualified for the National Championships 2023 in our 4th competition by winning the Excellence Award.

Today, we are going to tell you how 6 girls worked together after a multitude of arguments and disagreements but soon persevered and progressed magnificently when they figured out how to share each other's ideas and work to their fullest potential. Of course, six heads are better than one.

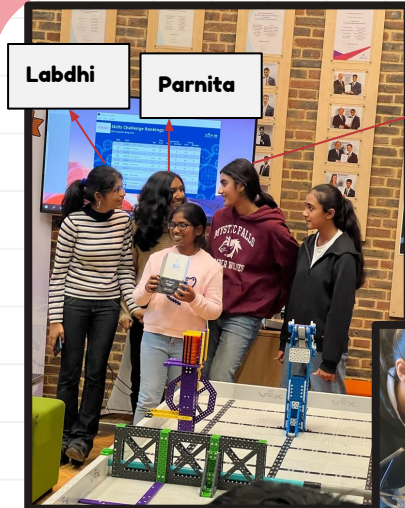


Saumya



Labdhi





Labdhi

Parnita

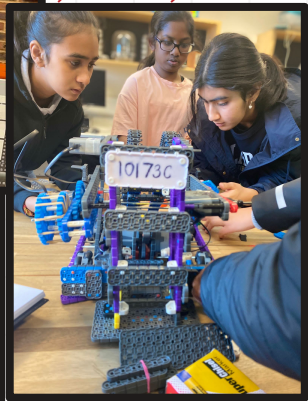
Saumya

Yagna

Disha

Our team

Coming from an all girls school, we have been encouraged to push ourselves to our best, pursuing our dreams of being young women in STEM. We value communication and involvement above all the other aspects when it comes to our team. As a team, we found it difficult to get along with one another and share ideas but once we jumped past these hurdles - our ideas and intellect combined produced an impressive and admirable result that we are all incredibly proud of.



Labdhi and I work together with our sketchbook and scouting during competitions. We help our team prepare for interviews and form strategic tactics to progress everyday. Disha and Yagna are our diligent builders who spend every day working in our workshop formulating new and improved models that help take our robot to a whole new level. And finally we have our intellectual programmers - Parnita and Lakshiya who not only help give our robot life but also help amongst the team providing support and encouraging a competitive atmosphere.



Lakshiya

"Talent wins games but teamwork wins championships" ~ Michael Jordan



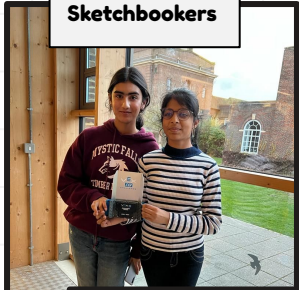
02

OUR
EXPERIENCE

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How we are encouraged to try various roles and what we learn from this

Sketchbookers



Sketchbooking

Once in a while, we let other members of our team make entries in our sketchbook of the team meeting we had on that day. This way, we get perspective from our other team members in their area of expertise, along with a team contribution. We have learnt that paying attention to all our meetings is key to sketchbooking.

Building

Even though our main builders are Disha and Yagna, the rest of the team always knows what is going on with the build, and are always free to contribute in the building and share our ideas. We have learnt that the key for building comes through teamwork and communication.

Programming

Since our main programmers were quite new to the concept of programming and doing auton, we all try to put our brains together whilst working out how to deal with auton the right way. All of us are not scared to make mistakes, and we all openly and freely share our opinions with everyone. Through programming, we have learnt how well we are able to use our robot for its purpose, and how to make it better.

Scouting (in comps)

We believe that forming alliances with other teams and building strategies is a fundamental skill to possess when it comes to competitions as it helps us form connections as well as alert our drivers on how to move guide the robot around the field- allocating dispensers to our alliances resulting in maximum points. All you need is a pen, paper, a social mindset and a strong desire to win which everyone in our team possesses.

Builders





WHAT SETS US APART?



PLACES

We all come from different places and have different ideologies according to where we have come from and been brought up. This inspires us to listen to each other and understand the different views of people.



ROLES

We all have different roles in our team and that often causes problems. However, we show how different roles and personalities make a team and final project more successful.



GOALS

Although all of us may think differently, our end goal is still the same. We individually have small little goals in order to complete what we want to do separately. But, the diversity of goals means the experience is much more enjoyable.



GIRL POWER

As a girls school, HBS is quite a girl powered society. Our team, especially, strives to make full potential of our facilities and put out the best front of ourselves as no matter how different we are, we will always be strong girls.





Diversity of Perspectives and Inclusivity

Diversity of perspective has benefited our team because it allows us to see things from every point of view, rather than just our own. In our VEX IQ team, this means everyone is free to share their opinions and to contribute. Depending on the team chemistry, diversity in perspective can make or break a team. It also depends on the way everyone expresses their perspective and how it is received by the rest of the team.

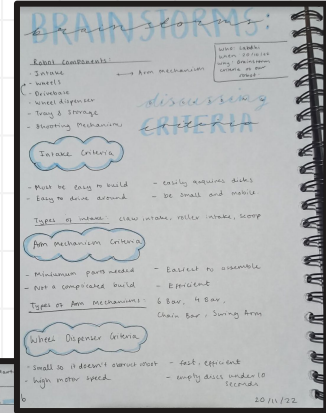
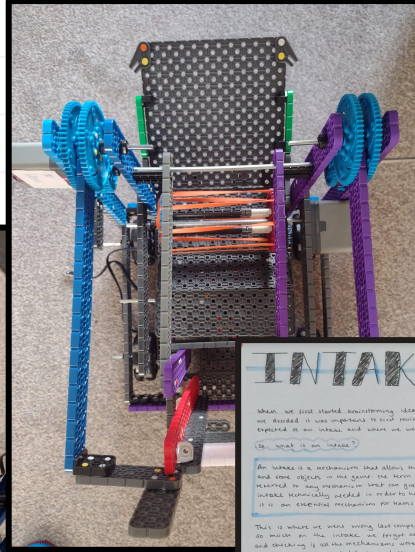
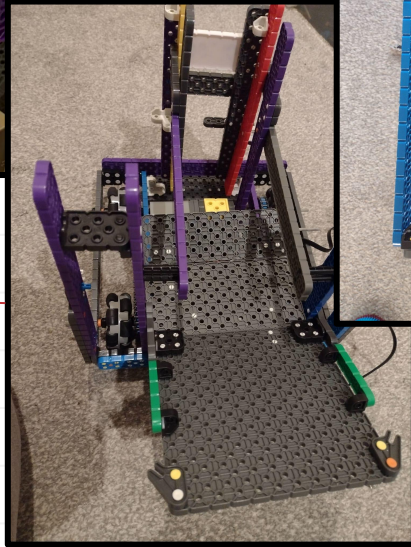
Furthermore, our team takes initiative to create a more inclusive environment that attracts strong powered girls, who are diverse by giving everyone a voice and finding our similarities. This influences our robot design, team chemistry, and ability to succeed.



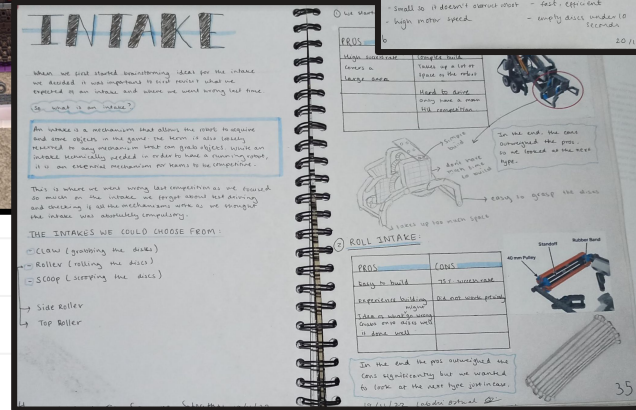
Our Robot and Sketchbook



OUR ROBOT



OUR SKETCH BOOK



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OUR GOALS

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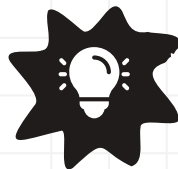


OUR GOALS



INSPIRING OTHER GIRLS

We want to inspire other girls to not be restricted in the stereotypes, and to achieve success not just in VEX Robotics, but also in the outside world.



NATIONALS

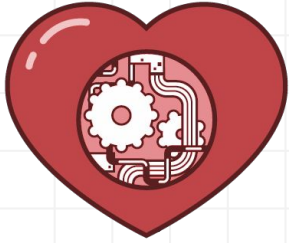
One of our team goals is to achieve Excellence in Nationals, and we have been working very hard in accomplishing this goal. We hope to create new connections and meet to people helping us create alliances if not friends that we will remember when looking back at our VEX journey.



WORLDS

Our dreams are to one day be the young women inspiring girls such as ourselves to pursue stem and robotics. Reaching the World Championships is, in our opinion, the first step into fulfilling our goal.





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OUR ROLE MODEL IN STEM



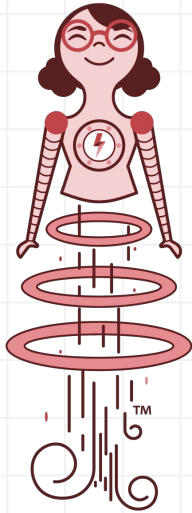


OUR DT TEACHER: MR. PERRIN



- Our DTE and Robotics teacher (Mr Perrin) is definitely one of the main reasons that we as a team have been able to compete and progress so much this year. He possesses a passion for DTE, prioritises the students needs before his own - constantly encouraging girl power in our school. For example, on our first competition - our robot malfunctioned causing the wheels to stop functioning. Although we were losing the competition and our morale as we were falling back on our rankings, Mr Perrin made sure of cheering for us when we did well and watched every single one of our matches giving us advice in between each one. If there's anyone that would inspire us to continue and pursue STEM and robotics...it would be Mr Perrin and that is why we are proud to have chosen him as our STEM role model.





“Vex empowers our girls to speak up, acknowledge their own potential and become world - class engineers and give the male dominated community a run for its money.”

—Mr Perrin
(DTE teacher, Head of
Robotics)



Final Thoughts



Only YOU have the power to change your thoughts and your thoughts have the power to change the world. We believe that as the years pass, the stereotypes shatter - this is the foundation our team is built upon. Girl power is not only restricted to women but it is a female empowerment that can revolutionize the world we live in today ,for everyone.
Remember...power has no gender.



"There is no force more powerful than a woman determined to rise."



THANK YOU!



CREDITS:

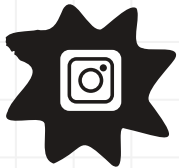
Slides: Saumya, Labdhi

The Powered Girls: Yagna, Disha , Parnita, Labdhi, Saumya, Lakshiya

Team 10173C - HBS MOMENTUM

from The Henrietta Barnett School, London, United Kingdom

Girl Powered Assets - Vex Robotics



@hbs_momentum