



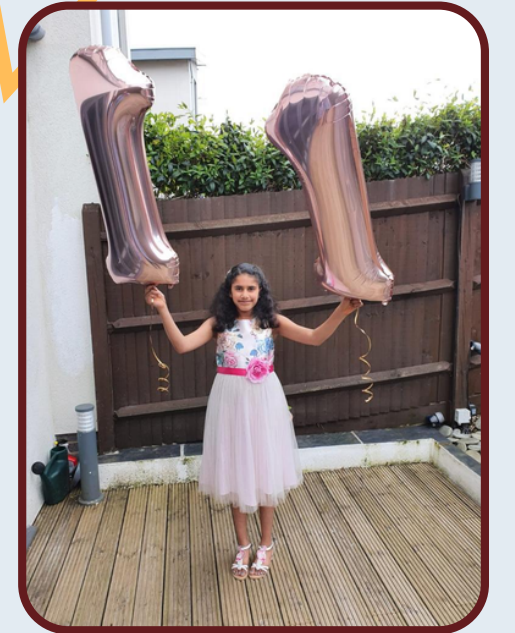
HBS VOLTAGE

girl powered challenge

~2022-2023~

HENRIETTA BARNETT SCHOOL, GREATER LONDON

OUR TEAM



Dhyani Patel

Programmer

Vidushi Mehrotra

Builder

Shnaya Singh

Programmer

Freya Mehta

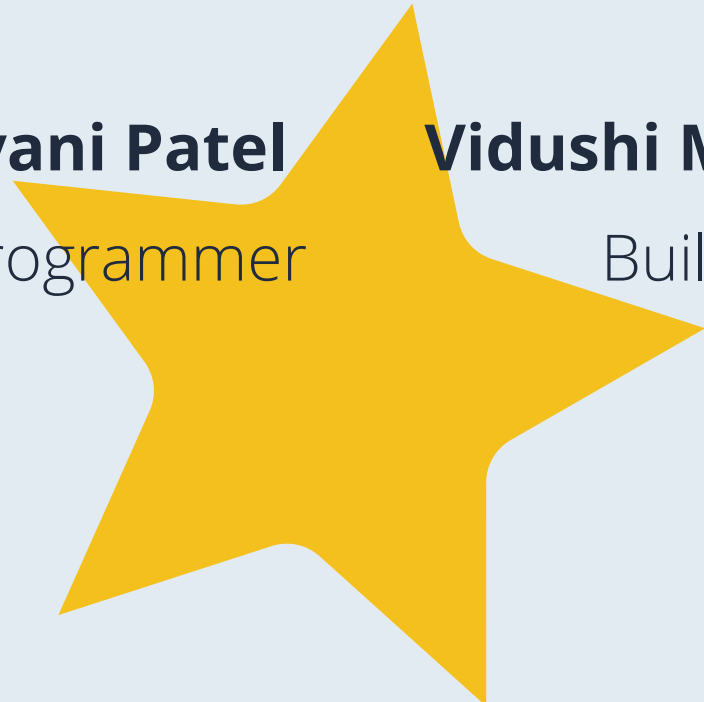
Captain and Builder

Robyn Sastry

Sketchbooker

Nitya Kuntala

Sketchbooker



WHAT DOES GIRL-POWERED MEAN TO US?

01. Fighting against misogyny

To us girl powered has a lot of associations. It means constantly striving to represent our gender male-dominated areas and standing up to misogyny against us - comments like but you can't succeed because you're girls and they'll never make it to worlds but this will only push us to work harder. To us being girl-powered means that we push to show the world that we can make it, despite anything.

02. How we implement this into VEX

We compete in VEX to nurture our love for robotics and to prove ourselves to the world, we want to inspire other young girls to not let anyone stop them from doing what they love; we believe that being a girl is what makes us stronger than others who haven't faced misogyny before.





HOW DO WE TAKE INITIATIVE TO ATTRACT A DIVERSE GROUP OF STUDENTS?

01

In our team, we value fluidity of roles

02

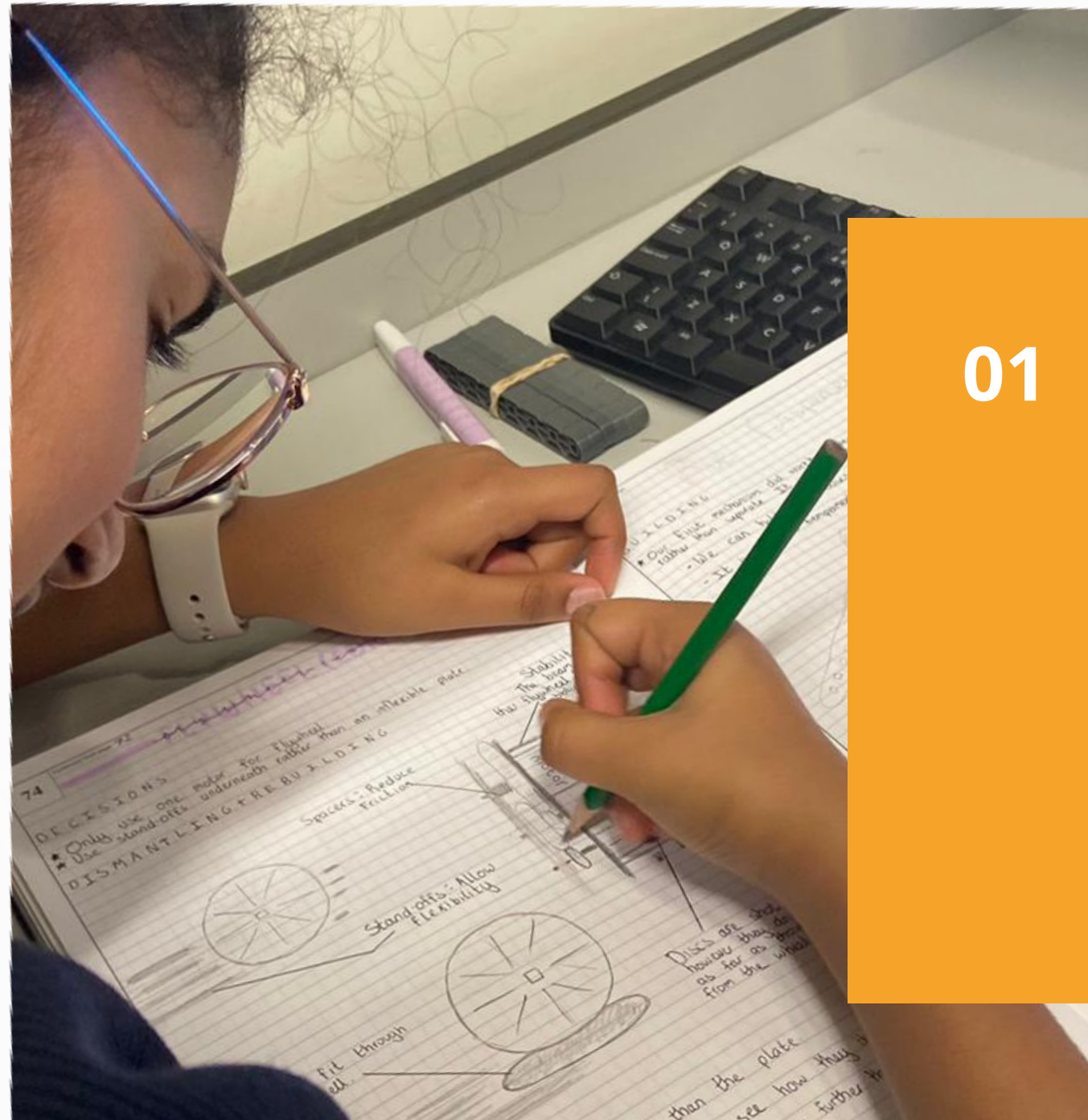
We are always happy to take and share advice with other teams

03

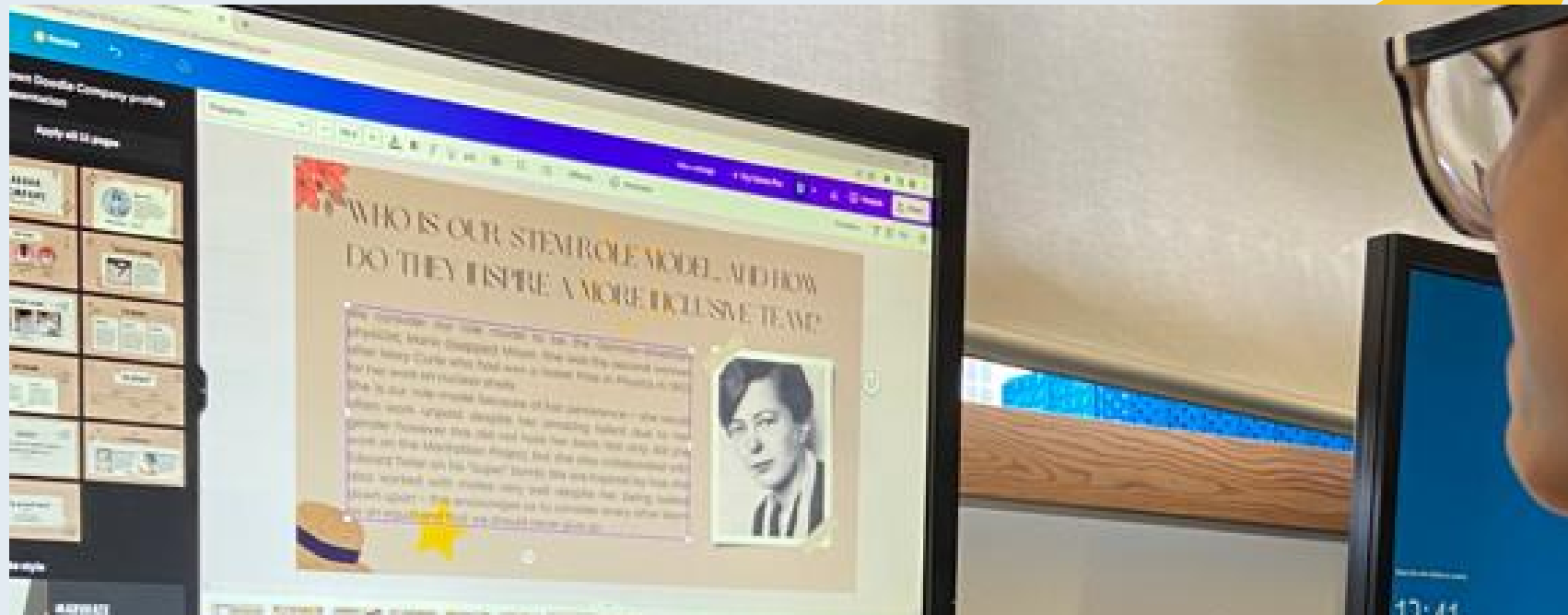
We love to take ideas from each other and other teams, and adapt them to work in our robot - we never bar any team member from doing something they want to do.

We believe that this ethos of collaboration, transparency and shared knowledge attracts diverse and brilliant people to contribute to our robot and our team.

HOW DO WE ENCOURAGE TEAM MEMBERS TO TRY VARIOUS ROLES ON THE TEAM?



- 01** We value fluidity of roles and we encourage every person on our team to become familiar with every aspect of Vex by doing other jobs than their 'assigned' roles - we believe that roles are just a rough guide and everyone is free to do what they want. The fact that some of our best sketchbooking was done by a builder shows that we believe that anyone can do anything with the right effort.



"Teamwork makes the dream work"



**HOW DOES DIVERSITY
OF PERSPECTIVE
INFLUENCE TEAM
CHEMISTRY, ROBOT
DESIGN AND THE
ABILITY TO SUCCEED?**

Our team is a diverse group of people with diverse ideas and vibrant enthusiasm, and despite our differences we work well together and learn from each other, leading us to design a high-achieving robot with unique ideas from every member of the team. Our commitment to robotics allows us to overcome difficulties everywhere by prioritizing what is best for the team and our robot, leading every person in our team working to push our limits and support each other everywhere and anyhow.



WHO IS OUR STEM ROLE MODEL, AND HOW DO THEY INSPIRE A MORE INCLUSIVE TEAM?

2nd woman to win Nobel Prize in Physics

Worked with Edward Teller

Worked on "Manhattan Project"

Our role model is the German-American physicist, Maria Goeppert Mayer because of her persistence - she would often work unpaid despite her amazing talent due to her gender however this did not hold her back - she even worked with males who looked down at her this encourages us to have a more inclusive team, viewing others as equals and never giving up.



THANK YOU

HBS Voltage – 10173D

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