



# GIRL POWERED

# HBS KRYPTONITE

# 10173B

Hamna, Dhakshaya, Richa, Shriya, Oishani, Liora  
The Henrietta Barnett School





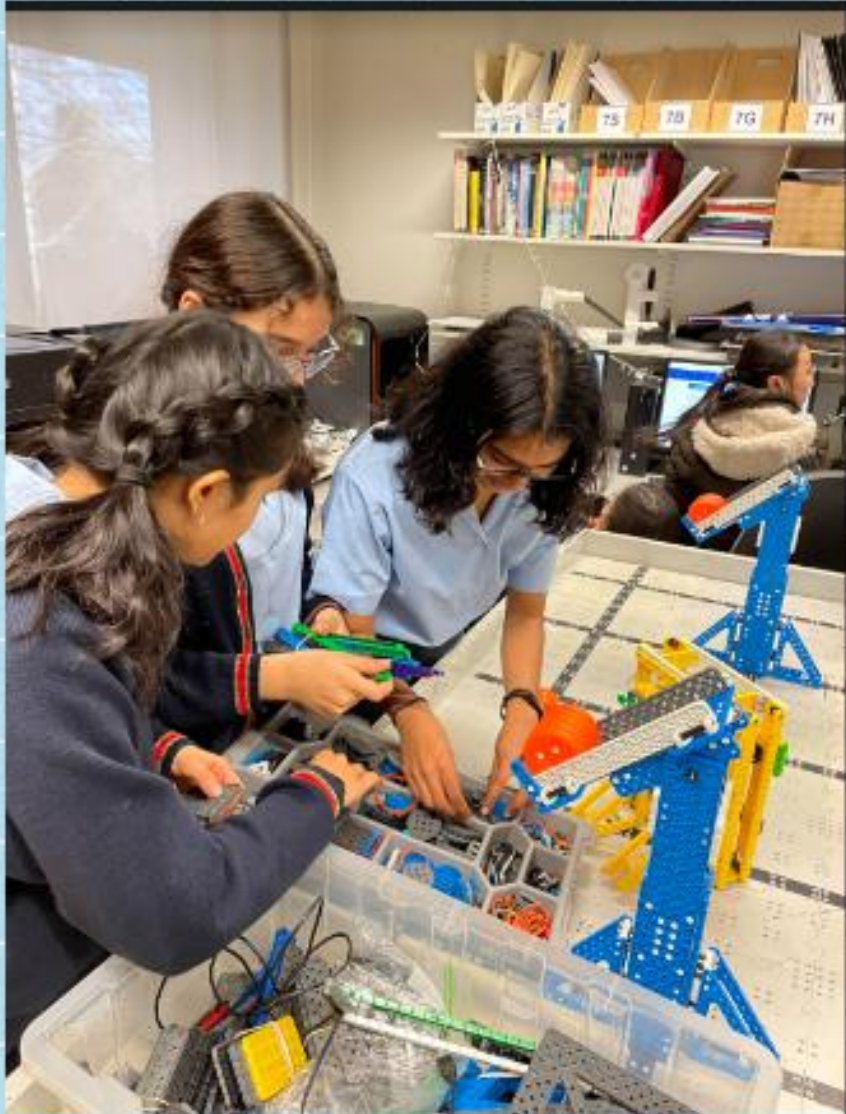
# GIRL POWER

For us, 'Girl Power' is not only empowering girls in order to stand up for themselves but also each other. To us, as a collective group, girl power means to have the will, drive and determination to carry out various tasks and being able to express and articulate our thoughts and opinions.





# OUR TEAM



Hamna- Captain, Notebook

Dhakshaya- Builder, Researcher and Driver

Richa- Builder and Researcher

Shriya- Builder, Researcher and Driver

Oishani- Programmer and Builder

Liora - Programmer and Builder



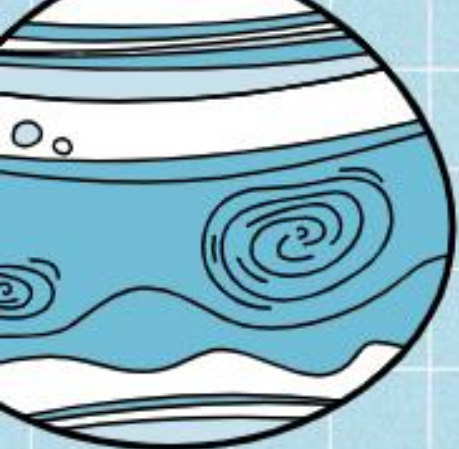
# DIVERSITY + GIRLPOWER

## Background

We consist of a practicing Jew, a British Born Muslim, three girls who are British of an Indian origin and a Bengali Hindu.

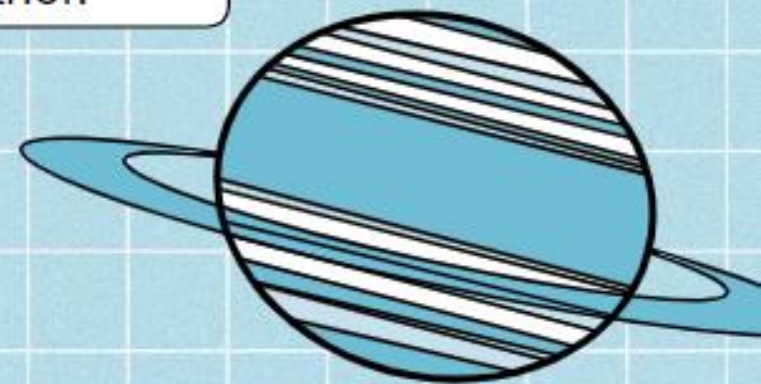
## Diversity

We all bring different skills to the table and all have allocated roles. We respect each other's strengths and work to help each other with other weaknesses. This is what makes us a team and hence, the name 'girl power'.



**We try to be in sync with each other to engineer a solution that best suits all of us.**

We avoid meetings on days of importance such as the Sabbath and we always ensure that all of the food is vegetarian in order to include everyone in our team. We are very proud of the trust within our team and hence, we have great chemistry together.





# Togetherness in Vexing



Although we have specific roles as mentioned on the previous slide, we always strive to help each other out as our goal in the end is to learn as most as possible from Vex.

Sketchbook entries are sometimes completed by drivers sometimes and coders always help in designing and researching.



# VEKING

In the beginning of our Vex Journey, we had very limited knowledge regarding Robotics. When designing the drive base, it was suggested that we use a classic H- drive as it would:

- Promote our robot's agility
- Weight would be distributed evenly

However, other team-mates stepped into find that using a 2-1-2 gear ratio would make a better base.



A decorative border composed of stylized flowers and stars in various shades of blue, arranged in a semi-circular pattern around the central text. The background is a light blue grid.

**KALPANA CHAWLA—  
OUR ROLE MODEL!**





HOME

BACKGROUNDS

AVATAR KIT

PLANNERS

HOMEWORK



“You must enjoy the journey because whether or not you get there, you must have fun on the way.”



**—KALPANA CHAWLA**

# KALPANA CHAWLA

## QUALITIES

- ❑ First Woman of Indian Origin in Space
- ❑ A big dreamer who started young
- ❑ Was extremely interested in spacecrafts
- ❑ Encouraged her team-mates and those she worked with
- ❑ Stood up in a male dominated society

## NOTES

She is a role model to us because Kalpana always believed that she could achieve what she wanted to get. When flying, she realised that the journey and who you work with to get there is much more important than the ending destination.

As a team, we endeavour to be more responsible girls and represent our gender and be the best version of ourselves as possible.

**<https://www.nasaspaceflight.com/2020/10/kalpana-chawla-cygnus-launch-to-station/>**

**<https://kb.vex.com/hc/en-us/articles/360035591572-Selecting-a-VEX-1Q-Drivetrain>**

**Credits to Hamna Adil, Richa Shah and Shriya  
Rayaraddi**