



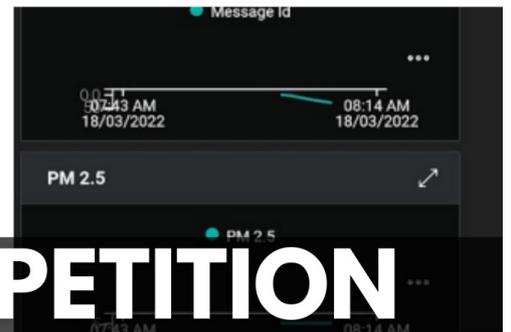
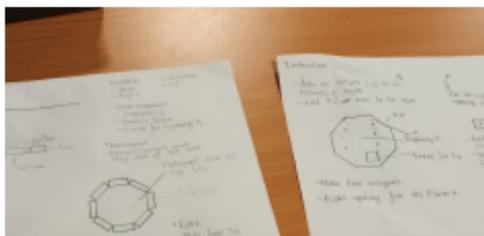
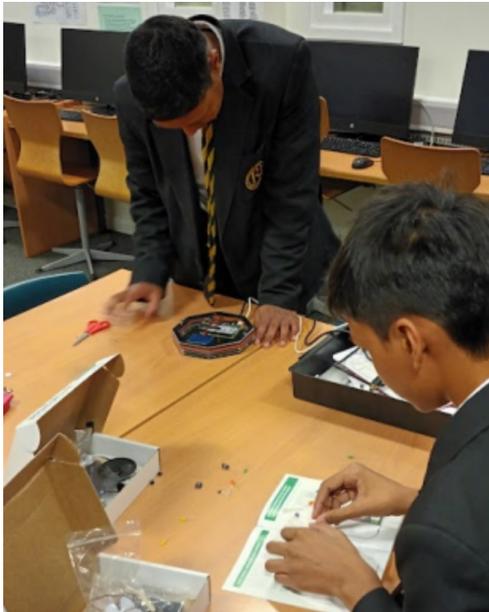
# ROKEBY RECORDER

DARE TO BE THE BEST

@Rokeby\_School

@RokebySchoolE16

Issue 22 | Summer Term 2022



## RASPBERRY PI COMPETITION

Congratulations to a group of Year 9 students for their fantastic submission to the [PA Raspberry Pi competition](#). This is an annual competition which promotes STEM education by challenging students to invent systems using their engineering and coding skills, and a Raspberry Pi microcomputer. The theme for this year's competition was climate change.

Rokeby's team, the *Rokeby Darers*, created an air quality sensor which can record pollution levels in and around school. They were responsible for every aspect of the project, from inception through design to testing and completing a model that worked. The students wrote:

**“** We encountered many difficulties when setting up the system as it was our first time coding something this complex. However, led by our team leader and programme coder, Orko (9K), and with inspiration from Mr Milki, we overcame all these barriers. We used Python language to code our system and initially we experienced a lot of errors and bugs in our code which tested our computing and algorithm skills.

*We successfully programmed the Raspberry Pi to send data to the IoT Central from the Enviro+ Sensor. This data refreshes every minute so it does not overload the server with the same results. This ensures that all the data sent from the Raspberry Pi to the IoT Central is correct and as accurate as possible.*

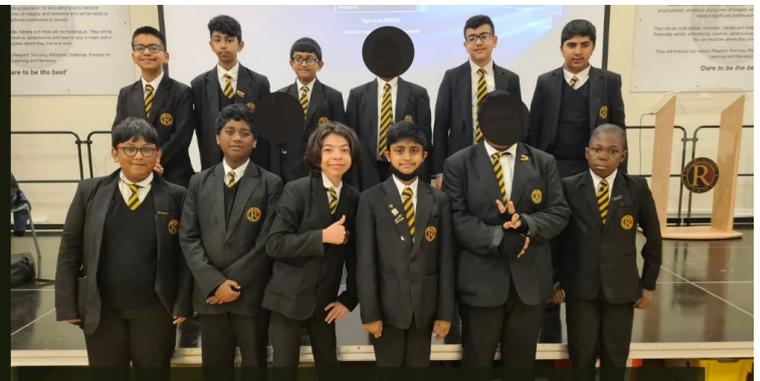
*Two of us had the task of making 3D designs of the case. We came up with an octagonal design with a side that slides open to access the cables and Raspberry Pi inside and a secure top front which protects the Enviro+ Sensor from getting damaged.*

*We were all very dedicated to this project and can't wait to develop it further and share our success with other students through assemblies in school.* **”**

**Team Leader & Programme Coder:** Orko (9K)  
**Design Management:** Abid (90); Raihan (9K)  
**Set-up & Debuggers:** Shajid (9R); Kaif (9R); Ishaq (9K)



*Respect, Success, Passion for Learning, Personal Challenge, Harmony*



# COMMUNITY COORDINATORS



Introducing Rokeby's team of Year 7-10 **Community Coordinators**. They are responsible for helping to support the welcome, induction and settling in of any new students who join the school.

Thank you to [MyBnk](#) for delivering **Personal Finance** sessions to Year 8 students last week. The lessons covered every day financial matters such as tax, budgeting, saving, interest rates and how to avoid debt. By the end, the students were able to apply what they had learnt by coming up with their own saving plan.



## DARE TO BE THE BEST YEAR COORDINATOR AWARD

w/c 25th April 2022

Proudly presented to:

**Jack Harris 7K - Denis Erhan 8B - Umair Feroz 9R -  
Ivan Bakalski 10B - Mahe Chowdury 11B**

*For displaying the characteristics of our school motto - well done!*



**MR VIRK**  
YEAR 7 COORDINATOR

**MS ZOE**  
YEAR 8 COORDINATOR

**MR SARUMI**  
YEAR 9 COORDINATOR

**MS HUSSAIN**  
YEAR 10 COORDINATOR

**MR BASHIR**  
YEAR 11 COORDINATOR

“



### THOUGHT OF THE WEEK

You can't control what questions the examiner will ask, or how well other people answer questions, but you can control what you do to get ready for the exam and how much effort you put into it.

”

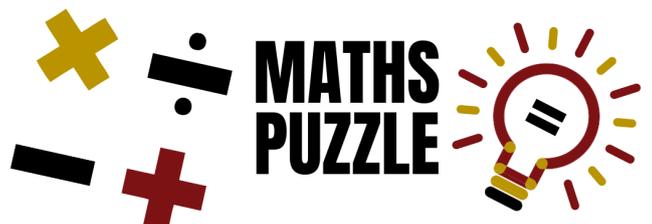
### WORD OF THE WEEK

Pulverise

pulvériser (fr)

pulverizar (sp)

измельчать (ru)



Can you crack Mr Fox's Maths puzzle this week? Click [here](#) for the puzzle. Take your answers to Mr Fox on Monday morning for an achievement point and prize!