

# Hippogriff Class 2022-23

Hippogriff class have had a wonderful year and we can't believe it's time for the summer holidays already! We have had a brilliant time together and have taken part in lots of fun activities and great learning.

Below is a collection of some of our highlights from the year:

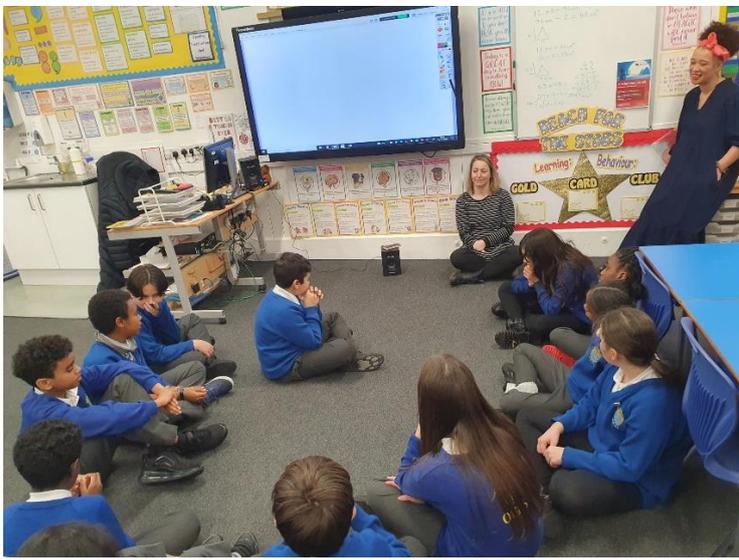
We practiced our cooking skills and made patties as part of black history month making the pastry from scratch, then the vegetarian filling, spicing it lightly with curry powder, assembling them and then baking them.



We visited Magdalen farms for our residential and had a great time:



*we were lucky enough to take part in local workshop called 'Our voices', delivered by The Caravan Theatre and published our own podcast!*



We visited the Gurdwara and learnt lots about Sikhism. We also had the opportunity to eat at the Langar:



During P.E this year we explored lots of different sports such as Tennis, Dance and Hockey:



For our evolution and adaptation topic we took part in a range of experiments, that gave us hands on experience about some of the adaptations in the animal kingdom.



During our entry point for 'Early Civilisations', we took part in a treasure hunt; to feel what it felt like to discover hidden treasures just like Howard Carter did.



we took part in robot week and were challenged to research, design and build our very own robots.

**We are scientists**  
 S.C. (WBAT):  
 1) study a range of sources  
 2) identify key information  
 3) present this knowledge clearly  
 Ext. What famous robots or engineers do you know?  
 Key Vocabulary:  
 robots, engineers, input, output, code, machine, device, function, automatic.

**About Robots**

What is a robot and how do they work?  
 A robot is a machine designed to do things automatically. It will carry out the actions a person instructs it to do. It can be controlled by a computer program. Most robots are built as a machine, but some are built with computers and sensors.

How do robots work?  
 To control a robot you need to give it instructions. A way to do this is by using a computer program. The computer program tells the robot what to do. You can also use a remote control to make it work. You can also use a joystick to control it.

Types of robots:  
 There are many different types of robots. Some are designed to do simple tasks like cleaning or painting. Some are designed to do more complex tasks like surgery or exploring space. Some are designed to be used in dangerous environments like nuclear power plants or deep sea exploration.

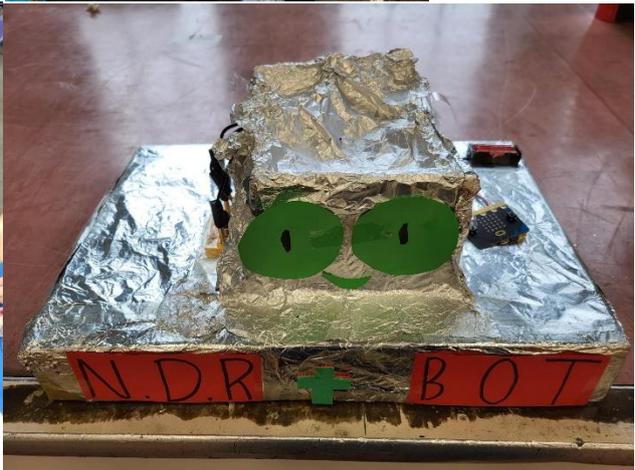
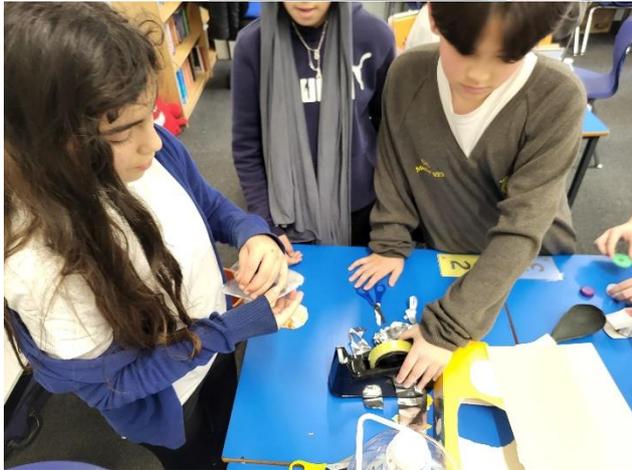
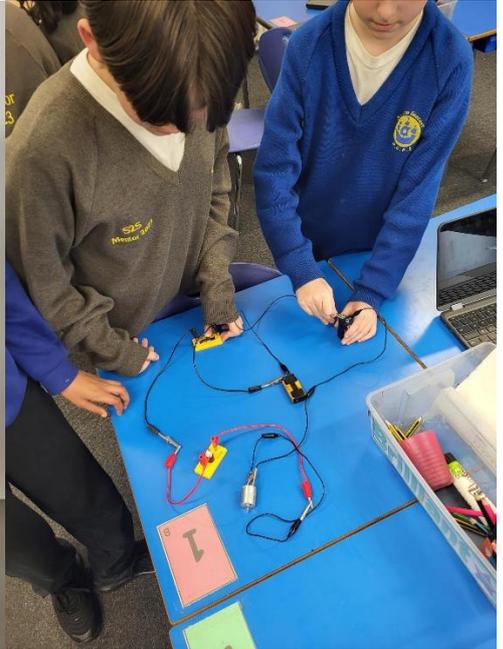
Famous engineers:  
 There are many famous engineers who have designed robots. Some of the most famous are Isaac Asimov, Alan Turing, and Marvin Minsky. Isaac Asimov is considered to be the father of robot ethics. Alan Turing was the first to think about how a machine could think. Marvin Minsky was one of the first to think about how a machine could learn.

**My robot: Light up rescue bot**

**Purpose:**  
 Goes into a dangerous environment and finds people who need help. Once there it will light up. Since this is only a model it won't actually roll in planes to save and rescue.

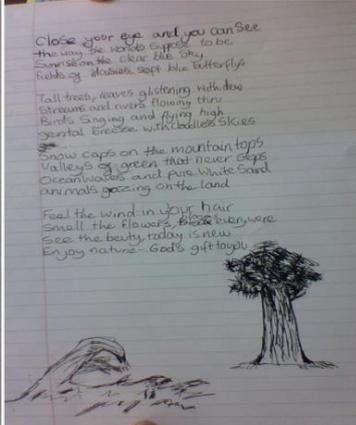
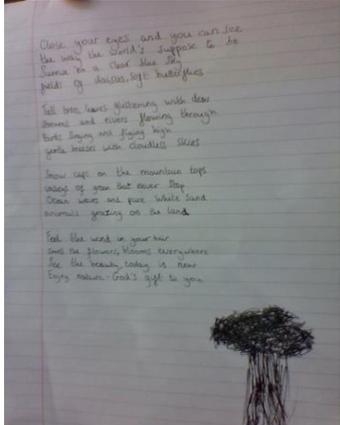
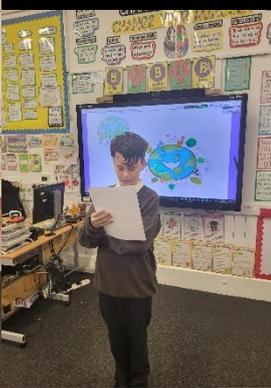
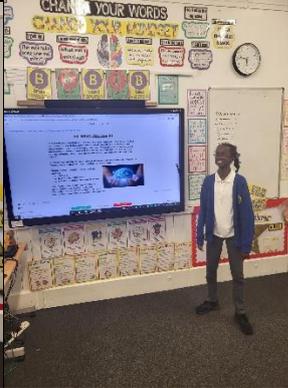
**How will it work:**  
 Once there it will sense the people as they cross a button that will make it light up and shake. This would attract planes to save and rescue people.

**Labelled diagram:**





To conclude our IPC topic 'Evolution and adaptation', we spent our day researching extinction and the problems earth faces in the future; before creating a rap, speech, broadcast or poem to make people aware of the World Wildlife Federation's (WWF) mission.



We visited the science museum as part of our IPC topic 'Growing up'. We especially focused on the human body and explored galleries to do with it. We also took part in an interactive show called 'It takes guts', about the digestive system, which was really fun and informative.



To finish of the year, we  
put on a performance of  
Matilda the Musical!



We've had a fantastic time in Year 6!  
We hope that you have an amazing summer break and wish you all the  
best for Year 7!