

Spotlight on...



Science

At St Anthony's, we all embrace the role of scientists. Science is the exploration of the natural world, encompassing both its living organisms and physical phenomena. Our Science curriculum, along with engaging activities like practical experiments, aims to ignite curiosity and wonder about the intricacies of the world and its diversity. Through our Science curriculum, we strive to equip students with essential knowledge and skills, fostering a lifelong passion for learning. Emphasising core concepts and hands-on experiences, we aim to develop a solid understanding of the world and encourage students to question, discover, and delve deeper into the realms of science.

As always, we have had a very busy half-term...

EYFS

In Early Years Foundation Stage (EYFS), the journey into science unfolds with a sensory-rich exploration of the natural world. Children delve into hands-on activities, engaging their senses to interact with a variety of natural materials. The children have explored everything Autumn, such as: leaves, pine cones, conkers, and twigs. As our young scientists immerse themselves in these activities, they articulate their observations, gradually expanding their vocabulary to express what they see. This interactive approach not only lays the foundation for scientific curiosity but also nurtures language development, creating a dynamic and inclusive learning experience in the early stages of scientific exploration.

KS1

Year 1 have been classifying animals and looking at the human body, as well as observing the seasonal changes. Year 2 have enjoyed learning about nutrition and the life cycle in the first half term, and then looked at how materials are used in the second half term.

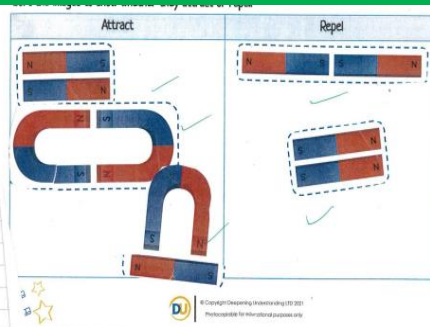
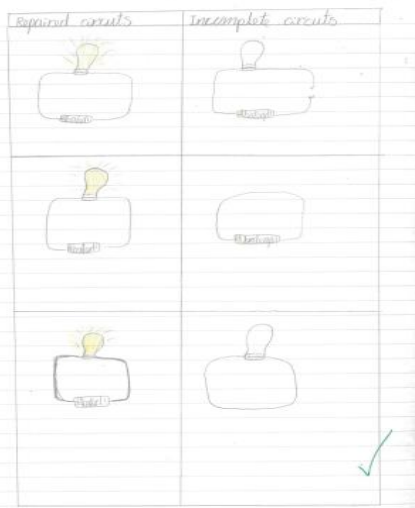
KS2

Year 3 have been busy learning more about nutrition of both animals and humans and in the following half term they observed forces, such as magnetic forces. Year 4 explored electricity and circuits in the first half term and observed science in nature through Forest School. Year 5 explored the solar system and space and had an exciting trip to Jodrell Bank. They then studied the properties of materials and how they change. Year 6 started the year taking part in Forest School, and then they looked at the circulatory system and explored what things can be harmful or beneficial towards it.

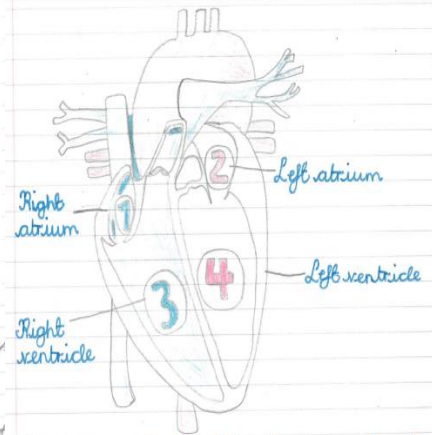
At St Anthony's, we are Scientists...



Pupils' work



Become a Scientist



A compass needle will always point north.
If we put north and north it won't attract but if we put north and south it will attract.
When magnets pull towards we call it attract and when magnets push away from each other we call this repel.

The purpose of the heart is to pump blood around the body. The heart is a muscle, and it is a common misconception the heart makes blood. Our blood is made of bone marrow.

Pupil Voice

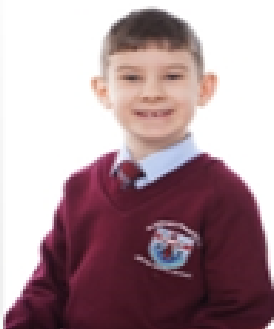


"I enjoyed experimenting with magnets because it was interesting to see how far magnets can still attract each other" – Jack 3AL

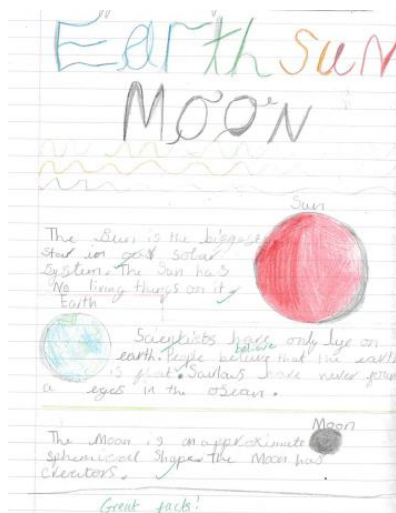
"I liked learning about the different parts of the heart - like the aorta and right atrium - because it taught me how our bodies function, which I find interesting because I want to be a doctor when I am older" – Anna 6FC



"I really enjoyed making circuits and finding out how to use switches. It was great to use it when we created our nativity scene!" – Adam 4AD



Pupils' work



Today we carried out an investigation to see which materials would be suitable for a roof for the 3 little pigs! We looked at items around our classroom.

To make our test fair, we put tablespoon of water on each piece of material. We used a timer and waited for

1 minute to see whether the material was suitable for their roof.

Here is what we found:

Material	Absorbent	Waterproof	Water Repellent
paper	✓	✓	
plastic		✓	✓
card	✓	✓	✓
tissue paper	✓	✓	
felt	✓	✓	✓
foil		✓	

Challenge:

Which material do you think would be suitable for the 3 little pigs? Why?

Pupil Voice



"I love science because I learn about it at home and in school. I loved learning about Autumn, Winter and all the seasons." – Renesmee 1WT

"I really enjoyed learning about things that are absorbent, water-proof and water repellent and how they are used for survival resources" – Brody 2VH



"I found learning which materials dissolve in water interesting. I also found going to Jodrell bank really interesting, and I loved being able to see all the things about space and our solar system that we had learnt about in school." – Olivia 5ZS

