

Key Skills in Science:

- asking questions.
- making predictions.
- setting up tests.
- observing and measuring.
- recording data.
- interpreting and communicating results.
- evaluating.



Making animal cells is fun. It has many parts and there are billions in our bodies.

We are Scientists!

Over at Anglia Way, our KS3 and KS4 learners have been studying the three separate sciences; Biology, Chemistry and Physics. Year 11 have looked Newtons Three Laws of Physics, year 10 have studied states of matter including density, and year 9 have been studying forces. Pupils try to do lots of practical sessions to support their understanding of tricky concepts and ideas.

KS3 Ecosystems



Year 9 pupils have been learning about our eco systems and how all living creatures co exist. An ecosystem is a complex and interconnected community of living organisms (biotic factors) and their physical environment (abiotic factors) in a specific geographical area. Ecosystems come in various sizes and can range from small, localized ones like a pond or a forest to large-scale ecosystems like a desert or a rainforest Going to the local park showed us how many animals and plants co exist with each other and seeing the plants sharing made us realise that we are all in one massive eco system.

Quotes:

'It's actually a really nice place. There are lots of tiny plants!'

'This area is massive!'

'I've never seen or used a quadrat before'

KS4 The Human Body (dissection)



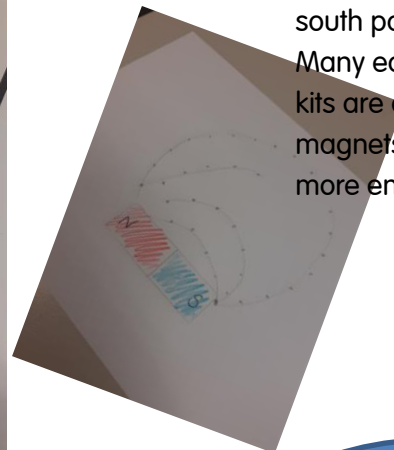
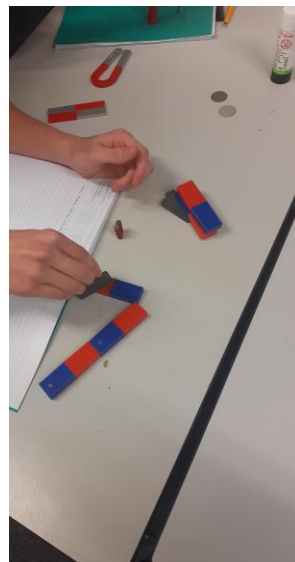
The practical tasks that we enjoyed were looking at a pig's heart and lungs. This is very similar to our own body parts and we enjoyed feeling and seeing the detailed areas of the pig's cardio vascular and respiratory system. Thank you to Fruit Pig Butchers

Year 10 have been looking at how the human body works. We are looking at the systems in the human body that make us move and live day to day.

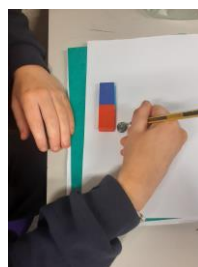
KS4 Magnets

Magnets can be fun for a variety of reasons, particularly for children and even adults who are intrigued by their properties

Attraction and Repulsion: One of the most fascinating aspects of magnets is their ability to attract certain materials and repel others. This can be a source of wonder and exploration, as you can experiment with different objects to see how they interact with magnets.



Magnets are an excellent tool for hands-on learning. They can be used to teach basic scientific principles, such as polarity, magnetic fields, and the north and south poles of a magnet. Many educational toys and kits are designed around magnets to make learning more engaging.



“North and North repel each other but North and South Attract.”