

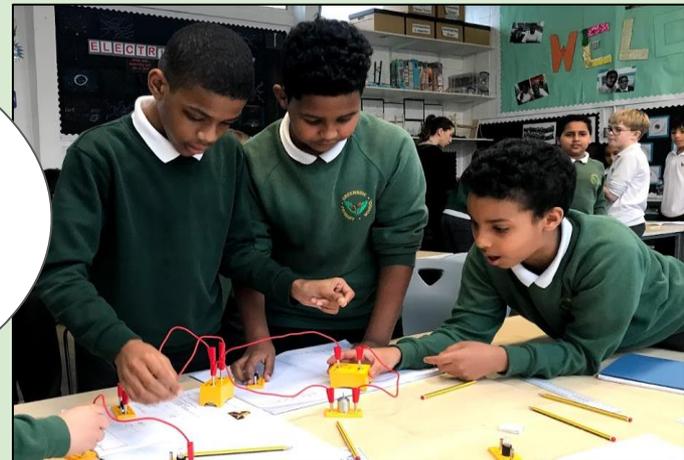
'I like carrying out experiments that surprise me with physics.' **Saja, Y5**

'I love learning about earth and space.'
Saifan, Y3

Science



'Finding minibeasts in the garden is fun.'
Maryam, Y1





- Our aim is to support all students to **curiously ask questions and investigate and understand** the world around them.
- As soon as students begin their eight year journey at Greenside, we encourage and stimulate their inquisitive minds - we provide opportunities for them to observe, question and experiment.
- Students work scientifically during investigations - answering a 'big question' - to develop a sense of excitement and curiosity.
- We use our class film texts to give science investigations a real world context.
- Learning Experiences are made relevant by connecting them to the challenges our planet is facing. We learn through a STEAM approach.

The national curriculum is explored through our Experiential Learning Model:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.



Science - Implementation



Science can be seen everywhere at Greenside and beyond!

- Working scientifically. Students carry out formal scientific investigations - they undertook this process when making and testing the air resistance of parachutes.
- STEAM projects linked to maths, technology, engineering and the Arts.
- Greenside Initiatives Nursery > Y6 - including The Soil Project where students learnt about the regeneration of our soil and increasing the biodiversity.
- Nature based learning. Y2 explored the life cycle of plants - planting, growing and observing the process.
- Developing knowledge and understanding of scientific concepts and ideas. Our students explore and articulate these during their learning experiences.
- Learning experiences linked to film - for example, Y6's WWII inspired boot camp linked to their study of the circulatory system.
- Exploring environmental issues - students learn how to make compost within the context of a zero waste system.
- Enrichment & Enhancement - trips, visits & visitors: students explored the *Who Am I?* exhibit at the Science Museum as part of their study of *Inside Out*; Ravenscourt park nature trails encourage students to get hands on with their science learning.
- KS1 and KS2 weekly Science Club - practical experiments inspire our students curiosity and get their hands messy: creating slime, making DNA and so much more.



At Greenside We are Scientists!

