



Meet the Subject Lead

Sarah McGillivray

Sarah has been leading Science at Oswald Road since April 2024. She enjoys leading a subject that sparks children's curiosity about the world around them and develops their understanding of how and why things work as they do.

The Science Curriculum

The Primary Science National Curriculum teaches scientific knowledge and conceptual understanding through a Programme of Study that includes a range of topics from the three scientific disciplines:

Biology	Chemistry	Physics
Plants Animals including humans Living things and their habitats Evolution and inheritance	Rocks Everyday materials Properties and changes of materials States of matter	Light Sound Forces and magnets Seasonal changes Earth and space Electricity

Throughout these topics, children are taught the key features of scientific enquiry so that they learn to use a variety of approaches to answer scientific questions. The types of scientific enquiry include:



Science at Oswald Road

Science is taught weekly and throughout the year at Oswald Road to ensure coverage. Lessons are recorded both in books (Years 2-6) and on Seesaw (Nursery - Year 6). This means you can use your child's Seesaw account to see the Science learning that is taking place throughout the year, with no need to wait until Parent's Evening.

Curriculum Developments

Since taking on the leadership of Science at Oswald Road, Sarah has taken part in a "Deep Dive" with Education Consultant Tim Nelson. He identified the following strengths in Science at Oswald Road:

- Teachers model scientific vocabulary well
- The pupils' prior knowledge is linked to current teaching
- Children have a good recall of prior knowledge
- Science lessons contain strong teacher questioning
- Science lessons are practical and engaging

Our school has been awarded a grant from the Edina Trust again this year, a small charity that supports primary science education. This will provide us with a significant budget to spend on new and exciting scientific equipment and resources across the Science Curriculum.

Trips, Enrichment and Enhancement Opportunities

Reception have taken part in the Incredible Eggs Duckling experience again this year to support their learning about growth. The eggs were delivered in an incubator and the children were able to watch them hatch out into cute and fluffy ducklings! The children were beside themselves with excitement and enjoyed giving them cuddles and even their first swim.



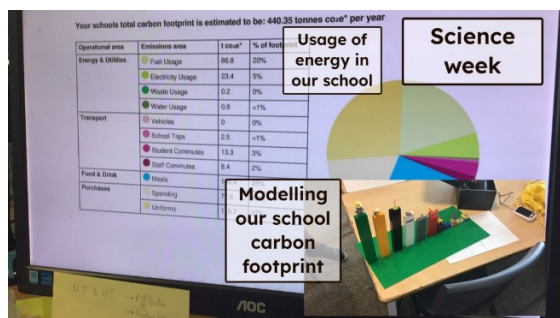
Year 1 take part in a trip to Longford Park to enhance their learning about plants. They complete field work to identify and name a variety of British plants and trees, looking closely at features such as leaves and flowers to assist them in doing this. They also complete observational drawings.

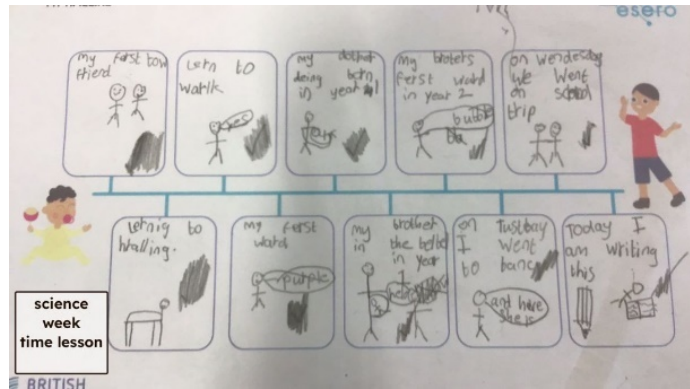


Year 4 put on a Science Fayre as their Showcase for parents and carers. The children shared their learning about their Year 4 Science topics, which included sound, the digestive system, food chains, electricity, states of matter, classification and states of matter.

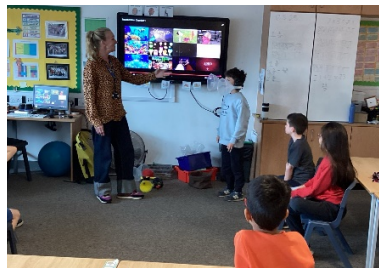


British Science Week was again a huge success at Oswald Road. The children took part in experiments and activities on the theme of "Change and Adapt".





We are also very appreciative of our parent volunteers who came to deliver talks about their careers in Science as part of Science Week. The presentations have certainly inspired and opened our children's eyes to the career opportunities that could lay ahead of them. We had visits from a volcanologist, a geologist, a palaeontologist, the Director of the Science and Industry Museum, an obstetrician, a radiographer, a research engineer, a climate action advisor and an acoustics lecturer. Thank you to these parents and carers for taking part.



Pupil voice

"We get to draw habitats for the animals."

"My favourite subject is Science because you get to experiment!"

"We like doing experiments, figuring out our results, making discoveries. We also enjoyed learning about fossils."

"Sometimes things are weird to learn about, like about our bodies."

"I have loved learning about space and what happens when in space when we are just living our ordinary lives"