



Science

Intent

Science at Newcroft stimulates and excites pupils' curiosity about phenomena and events in the world around them. Science links direct practical experience with scientific processes and ideas so it can engage learners and give them an understanding of how these contribute to aspects of everyday life. During the teaching of science, an emphasis is placed on the teaching of working scientifically and vocabulary acquisition. Scientific language is to be taught and built upon as topics are revisited in different year groups and across key stages. Learning builds on prior knowledge and enables children to find out about and communicate ideas.

The National Curriculum will provide a structure and skill development for the science curriculum being taught throughout the school, which is now linked, where possible to the theme topics to provide a creative scheme of work, which reflects a balanced programme of study.



What?

Impact

Streamlined curriculum to ensure progression through year groups.

The curriculum has been revised and streamlined to ensure children's knowledge is progressive; teachers work collaboratively, to ensure the National Curriculum objectives are pitched correctly and that prior knowledge is built upon.

Scientific vocabulary acquisition.

For each topic, teachers display a scientific word wall, which is linked specifically to their science topic. This is referred to within lessons, exposing children to new, ambitious vocabulary. This has been revised to ensure that vocabulary acquisition is progressive.

Enrichment opportunities for children through British Science Week.

As a school, we took part in the British Science Week. Children attended live virtual lessons, as well as undertaking science lessons, that were based around the theme 'Innovating for the future'. National Curriculum objectives were taught with a variety of cross-curricular opportunities available for the children in all lessons.

Science is taught weekly, and explicitly, where the term's topic does not link.

Children are covering all the national curriculum objectives in the depth needed and being given opportunity to develop vocabulary and scientific enquiry skills regularly.