



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

All year groups to have a trip/workshop that is linked to one of their Science topics.

Children are being exposed to enriching scientific activities which increase their cultural capital and stimulate their curiosity. This will in turn raise the profile of science within the school and enable the children to develop their scientific enquiry skills.

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.

Staff CPD to aid teachers' science subject knowledge.

Staff are equipped with the expertise needed to teach Science effectively in their classrooms. They have ideas on how to work scientifically and what this looks like within a classroom. They also have resources to refer to in order to continue their development of Science subject knowledge.

Audit of Science resources and ordered.

Teachers have the equipment and resources needed in order to teach science in a practical and stimulating way. Therefore, children are able to practice using scientific equipment which builds upon their working scientifically skills.