

“We will provide all of our children with a **broad, relevant** and **enriched** curriculum so that they have the **character** to make a **positive** contribution to our society and are **knowledgeable, skilled and ready** for the next phase of their education.”

OUR CURRICULUM

SUBJECT INTENT FOR: Science

Our Science Curriculum:

Is broad, relevant and enriched:

Science at Willowbrook Primary Academy aims to provide children with a strong understanding, a curiosity of the world around them and the skills to question and answer the ‘everyday’. Our curriculum includes a broad range of topics, including ‘Plants’, ‘Electricity’ and ‘Animals including humans’, which run throughout both Key Stages, enabling children to revisit and develop knowledge procedurally. By linking these topics to the past, present and future, and by having a core foundation of skills and knowledge, the children understand the relevance and impact that Science has on their everyday lives. Willowbrook Mead highly values diversity within our society and this is reflected within our curriculum. In science, each year group studies one or two scientists, both historical and present day. This creates a diverse range of scientists studied and enables the children to understand that everyone can, and is, a scientist. By incorporating additional enrichment trips, creating links with outside agencies/ schools, and a yearly ‘Science Day’, our curriculum is enhanced, relevant and develops the pupils understanding further and deeper.

Develops character:

The Science taught has many character muscle opportunities. All children are encouraged and supported to develop and use a range of skills and ‘muscles’ including questioning, curiosity, reasoning, revising and improving, problem solving, communication and imagination, among others. Our aim is for children to be able to talk clearly and passionately about Science and Scientists. Staff are trained at identifying the ‘muscles’ being developed and communicate these effectively with the children. The development of character is crucial within the school as a tool to help develop children who can contribute positively to the school environment and further afield, outside the school setting.

Helps children make a positive contribution:

Through the development of character muscles, the children are actively encouraged to use these skills throughout everyday life. Furthermore, the teaching of Science at Willowbrook Primary Academy is relevant to the world around the children. It enables children to view the world from a scientific viewpoint and the challenges and solutions that Science can present. Through links to other subjects, the Science behind the problems and solutions faced presently (such as plastic waste), help children think constructively, critically and, potentially, change their own behaviour positively.

Ensures children are knowledgeable, skilled and ready:

Through the progression of knowledge and skills taught within the Science curriculum, plus the opportunities to explore, investigate and question the world around, children at Willowbrook Primary Academy are ready for the next step in their education. The variety of topics, opportunities, investigations and enquiries deliver a broad curriculum catering for the requirements for the children to be ready for the next stage. The use of knowledge organisers ensure progression and an increased focus on vocabulary are helping develop sound knowledge levels. More able pupils are challenged further through activity or questioning. Children on the SEND register make progress through individualised, differentiated activities that enable them to understand and investigate the science content at Willowbrook Mead. All children with gaps in their learning, have the possibility to revisit them as many topics are catered for and developed further across the school.