

Subject on a Page: Science

At Holmer Green Junior School, we foster a healthy curiosity in children about our universe and promote respect for living and non-living things. We ensure that skills are built-on and developed throughout children's time at school so that they can apply their knowledge of science confidently and continue to ask questions and be curious about their surroundings.



Science is taught on a weekly basis for a session of approximately one and a half hours. This will allow children to have plentiful practical opportunities as well as developing a wide range of knowledge on all areas of the National Curriculum.

Intent: What do we aim to deliver?

Provide the opportunity for all children to have the skills required to be scientists and work scientifically.

Children will gain a deeper understanding and appreciation of scientific developments from different cultures.

Children will be encouraged to be inquisitive learners, developing a curiosity about the world around them.

To acquire the knowledge and understanding to explain, at an appropriate level, the world around them.

Develop, through practical work, the skills of observation, prediction, investigation, interpretation, communication, questioning, hypothesising and precise measurement.

All children will have the opportunity to learn and apply their understanding, so they feel prepared and excited for future learning in KS3.

Implementation: How do we aim to deliver this?

Our Science curriculum will ensure children gain a **broad, rich understanding of a range of topics**, showing a greater understanding of living things, the world around them and how things work.



Cross curricular links to a range of subjects, including Maths, English and PSHE will be actively encouraged through our Science curriculum.

Throughout all year groups, children are encouraged to **'think like scientists'**, gaining the skills to predict, question and evaluate their findings. Children will have access to a range of **scientific resources**, working with their peers to conduct their own investigations.

At the start of every Science unit, children will be provided with a **knowledge organiser**, recapping key vocabulary and knowledge that will be taught throughout the unit. Children will utilise this in every lesson.

At the start of every Science lesson, clear **retrieval activities** will be planned for, ensuring all pupils understand and remember key knowledge that has been taught previously.

Assessments will be created and delivered at the **end of every unit**, ensuring children can show a good understanding of the unit covered and can recall all essential information.

Impact: How will we know when we have delivered it?

High levels of Engagement and Enjoyment

Children will express enjoyment towards the subject and enthusiasm during lessons. They will develop the confidence to 'have a go' at practical investigations using prior knowledge to support them.

Ensuring Progress

Retrieval practice and end of unit assessments will be used to monitor the children's knowledge and understanding. These will be analysed and misconceptions addressed.

Whole Curriculum Impact

The curriculum will explore contributions made by scientists from different cultures across history; this will link to cross curricular links in human society and our development.

Future Science Learning

Children will leave Holmer Green Junior School keen and excited to engage in future science learning and acquisition in KS3 and beyond. They will have a thirst for knowledge and understanding of Science and its impact on human development.