

Our Science Vision

We want to inspire every child to develop a love of science through active and engaging learning that is relevant to their everyday lives and experiences. Teaching is enquiry-based and actively promotes recall of knowledge. An appropriate level of challenge will be provided for all children.

Science teaching and learning at Holy Trinity will:

1. Be fun and **engaging** for everyone.
2. Encourage **active enquiry** and answering our own questions.
3. Be **relevant** to our everyday experiences in the world around us.
4. Provide the scientific **knowledge** we need to solve problems.
5. Provide appropriate **challenge** for everyone.

What do the children say?

'I like science because it entertains and inspires me.'

'I like using the equipment and learning new things.'

'You can figure out stuff for yourself.'

'We learn things and then apply what we have learnt, like for electric circuits.'

'Science is really useful for future life.'

'It's interesting because it teaches you how things work.'

What extra opportunities are there?

At Holy Trinity we want to develop the science capital of all our pupils. We encourage science-based trips and extra-curricular learning, especially where these are relevant to teaching and learning. We encourage the use of the excellent opportunities that are available locally to us and can enhance the children's learning experience, for example, Holly Lodge, Richmond Park, Natural History Museum, Science Museum, Kew Gardens.

Extra-curricular activities available include: STEM Club, STEM Film Club, visits from outside organisations such as the Royal Institution, and involvement from parents with a scientific background, particularly but not exclusively during STEAM Week.

Science at Holy Trinity

How is science taught?

At Holy Trinity we follow the National Curriculum skills and objectives supported by the school's internal science scheme of work and a wide range of other material. We recognise the importance of children finding things out for themselves and developing their skills. Each Science lesson includes a knowledge and a skills-based element, and in addition the children complete at least one full investigation each year. We aim to explore each objective in an investigative way wherever possible.

Why do we learn science?

We are a PSQM Gilt school (2019-2024). Science has a high profile as a core subject. It is clearly presented as belonging to one of the three scientific disciplines: biology, chemistry or physics. Knowledge and skills are taught alongside each other and are regularly revisited and practised to ensure progression and retention. We want to prepare our children for a future as independent learners who can be adaptable and confident in their own ideas, and can apply their skills to a wide range of different contexts.

