

Science at St Nicholas C.E Primary Academy

Within the love of God, at St Nicholas C.E Primary Academy, we encourage children to be inquisitive throughout their time at our school and beyond. The Science curriculum fosters within our children, a healthy curiosity about the universe and promotes respect for the living and non-living. We believe science encompasses the acquisition of knowledge, concepts, skills and positive attitudes. Throughout the programmes of study, our children will acquire and develop the key knowledge that has been identified within each unit and across each year group.

“Science knows no country, because knowledge belongs to humanity, and is the torch which illuminates the world.”

Louis Pasteur

Our Aims and Purpose

- To acquire key scientific knowledge.
- To foster a love and curiosity about the world around us.
- To create positive attitudes towards the development of scientific knowledge and understanding.



Implementation

- Working scientifically, skills are built-up progressively and developed through year groups.
- Key scientific knowledge is acquired and built upon progressively through well-sequenced Cornerstones topics.
- Science is taught in-line with the National Curriculum and arranged into topic blocks which link to themed learning where appropriate.
- Key questions and are used at the start and end of new topics to capture children's understanding of key knowledge and vocabulary.
- Concept cartoons are used at the start of each new topic.

The Fundamentals

- To foster a love of science which allows and encourages children to be curious about the world around them.
- Children to understand that science impacts the world around them continuously.
- To understand that science investigations have to be fair in order to be accurate.

Planning

- Planning is theme-based and informed by the National Curriculum and subject progression in Science. Cornerstones provides a knowledge-rich resource basis for delivering the Science curriculum.
- A progressive approach to ensure that all children fulfil their scientific potential.
- Using a cross-curricular approach to link science to other areas across the curriculum.
- Working scientifically is taught through meaningful opportunities throughout the year through research, investigation and experimentation.
- Science is taught throughout the year and where there are meaningful opportunities.

Cross - curricular Opportunities in Science:

Geography

History

Design and Technology

Art

Maths

