

St. Paul and St. Timothy's Catholic Infant School

Our Curriculum

Science Statement of Intent

At St Paul and St Timothy's Infants School, we aim to provide with a high-quality Science curriculum which should ultimately inspire a curiosity and fascination about the world around them. Each of our topics in science are embedded with scientific enquiries to ensure our pupils are equipped with the skills to be able to think scientifically.

Intent	<p>To build a Science curriculum which improves learning in all areas of the curriculum by developing the 'whole child'. To enable our pupils to learn about the world around them. We want children to enjoy and love learning about science by gaining this knowledge, skills and vocabulary, not just through experiences in the classroom, but also by exploring the local environment and through our field trips.</p> <p>All children are encouraged to develop and use a range of skills including observations, planning and investigations, as well as being encouraged to question the world around them and become independent learners in exploring possible answers for their scientific based questions. Specialist vocabulary for topics is taught and built up, and effective questioning to communicate ideas is encouraged. Concepts taught should be reinforced by focusing on the key features of scientific enquiry, so that pupils learn to use a variety of approaches to answer relevant scientific questions</p>
Implementation	<p>Clear and comprehensive scheme of work in line with current guidelines. Topics are taught in a cycle of lessons which include a pre and post assessment to assess prior knowledge as well as the effectiveness of teaching.</p> <p>At the end of each unit pupils will complete a scientific investigation to apply the knowledge they have been taught in that unit. These investigations will allow pupils to practise working scientifically.</p>
Impact	<p>Pupils will be able to use scientific language to explain concepts and ideas. They will be able to plan and implement their own scientific enquiries. Assessment is a key part of our curriculum, Pupils will complete and assessment at the beginning and end of each unit of work to monitor the impact of teaching.</p>

Mission Statement		
LOVE – LEARN – BELIEVE – ACHIEVE In the Spirit of Jesus		
Our parents/carers, children, staff & governors told us that they wanted our curriculum to be built on the following:		
VALUES & ATTITUDES	KNOWLEDGE & UNDERSTANDING	SKILLS
What sort of people do we want our children to grow up to be?	What do we want our children to know and understand?	What do we want our children to be able to do?
Happy, secure, determined, compassionate, independent, kind, caring, honest, respectful, hardworking, well mannered, open minded, loving, aspirational, resilient, tolerant, forgiving, fair, charitable, inclusive, trustworthy, polite, positive, good sports, helpful, good listeners, faithful, with a love of learning. “My command is this: Love each other as I have loved you.” John 15:12	Key knowledge delivered through our core and extended curriculum: Know about their faith and the faith of others. About numbers and the number system, shape, space and measures. Know how to segment words and blend phonemes in order to read, write and spell. Develop a love of reading. Have a sense of their place in the world. A knowledge of their local area and a feeling of belonging to West Derby and Liverpool. Develop an understanding of themselves in relation to the passage of time, a sense of history and how to find out about the past from artefacts and other sources. Know about plants, animals, materials, weather and the seasons. Know how to use a computer and other IT equipment, be able to create simple algorithms and operate programmable toys. Know about a range of artists and use a range of artistic skills and a variety of materials to design and create their own artwork. To sing a variety of songs and to play an instrument. Learn another language. Know about a healthy lifestyle. Learn a range of sports and games. Know what constitutes a healthy relationship. Know how to keep themselves safe. Know how to debate a variety of issues, showing respect for the opinions of others.	Play, explore, create, think critically, read, write, draw, paint, construct, dance, sing, play an instrument, play sport, communicate, manage money, articulate, debate, reason, solve problems, apply knowledge and learning, cook, share, think creatively, work as a team. “I came so that they could have life—indeed, so that they could live life to the fullest. ” John 10:10
Success Criteria – A St. Paul and St. Timothy’s child is:		
Faithful	Well-mannered	Friendly
Compassionate	Articulate	Literate
	Numerate	Kind
	Forgiving	Resilient
	Creative	Inquisitive
	Active	Honest