Maths Curriculum Overview

St Stephen's
CE Primary School
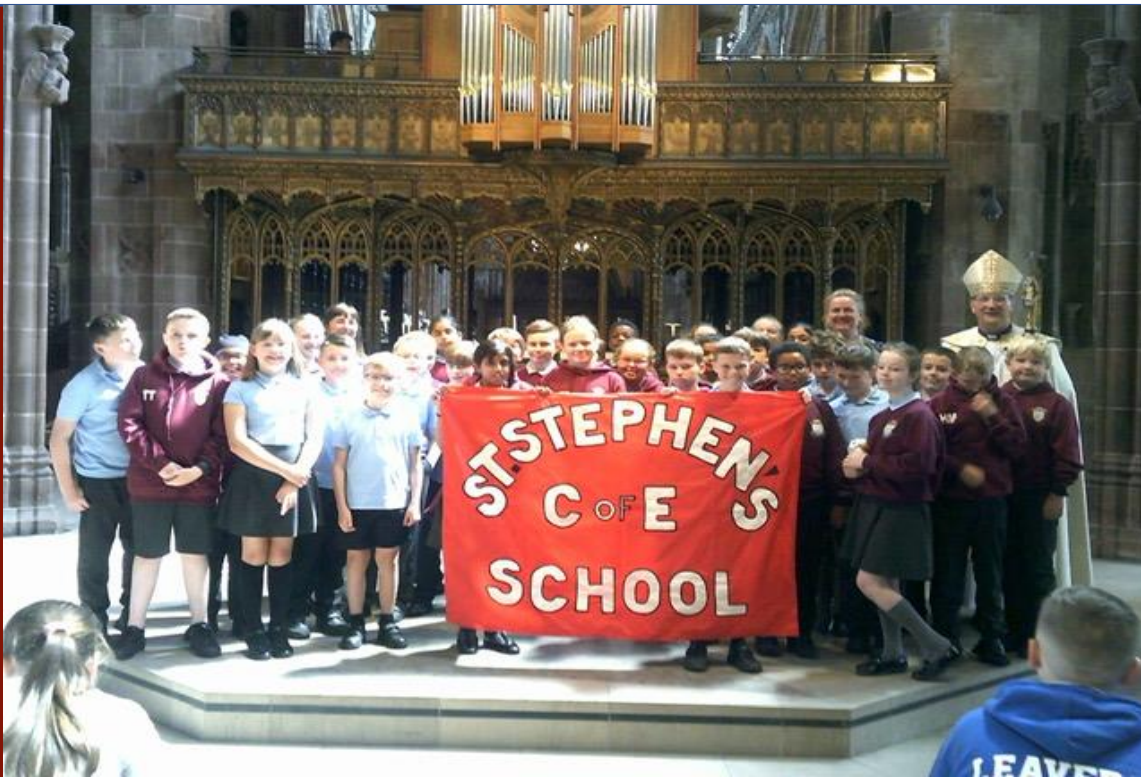
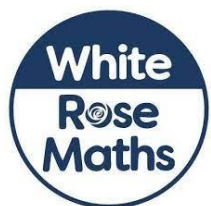*"Learning, loving and growing; together as God's children."*

Our approach

Here at St Stephen's, we strive to inspire confident mathematicians who are not only **fluent in number** but have the necessary skills to approach and reason through **rich and varied mathematical problems** with self-belief. We are committed to fostering proficiency within number; children who understand the **fundamentals of number** and can explain 'why' when unpacking new concepts and consolidating the old. Children will learn that maths is essential to **everyday life** and a vital practice necessary across all forms of employment, beginning to form strong connections in number to ensure concrete understanding. Children will be taught to apply their maths to solve real problems requiring critical thinking and in turn develop a **genuine curiosity** and **love for maths** that will empower and assist throughout their career in education and beyond.

Each year group focuses on various units of work which includes key concepts of maths knowledge. The aims are to ensure that all children:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

 - reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

- can solve problems by applying their mathematics to a variety of routine and non routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions

This year, we are beginning an exciting journey working with NCETM Maths Hubs to further develop our offer. With the expert guidance of the Maths Hub, we aim to expand and improve the **subject knowledge** of our teaching staff and continually advance our **pedagogical approach**. We strive to achieve the best for our children and community and our new network of maths experts will ensure the delivery of **high-quality education** that is current and effective.

We currently use the White Rose Maths materials to deliver our curriculum. Please see below for all our current documents and overviews we use here at St Stephen's.

Mathematics has beauty and romance. It's not a boring place to be, the mathematical world. It's an extraordinary place; it's worth spending time there. - Marcus du Sautoy

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Match & Sort Compare Amounts Compare size, mass & Capacity Exploring Pattern	Representing Numbers 1-5, composition of 1-3 Circles, Triangles & Shapes with 4 sides Positional Language	Compare Numbers to 5 Composition of 4& 5 Growing 6, 7, 8 Length & Height Time	Counting to 9 & 10 Comparing Numbers to 10 3D Shapes Spatial Awareness Patterns	Build Numbers to 10 and Beyond Spatial Reasoning-Match, Rotate and Manipulate First, Then, Now	Doubling & Sharing Even & Odd
Year 1	Place Value within 10	Addition and Subtraction within 10 Geometry-Shape	Place Value within 20 Addition and Subtraction within 20	Place Value within 50 Measurement-Length & Height Mass & Volume	Multiplication & Division Fractions Position & Direction	Place Value within 100 Money Time
Year 2	Place Value Addition & Subtraction	Addition & Subtraction Geometry-Shape	Measurement-Money. Multiplication & Division	Measurement-Length & Height Mass, Capacity and Temperature	Fractions Measurement-Time	Statistics Geometry-Position and Direction
Year 3	Place Value Addition & Subtraction	Addition & Subtraction Multiplication & Division	Multiplication & Division Measurement-Length and Perimeter	Fractions Measurement-Mass & Capacity	Fractions Measurement-Money Time	Geometry-Shape Statistics
Year 4	Place Value Addition & Subtraction	Measurement-Area. Multiplication & Division	Multiplication & Division Measurement Length & Perimeter	Fractions Decimals	Decimals Measurement-Money Time	Geometry-Shape Statistics Geometry-Position & Direction
Year 5	Place Value Addition & Subtraction	Multiplication & Division Fractions	Multiplication & Division Fractions	Decimals & Percentages Measurement-Perimeter & Area Statistics	Geometry-Shape Position & Direction	Decimals Negative Numbers Measurement-Converting Units Volume
Year 6	Place Value Four Operations	Fractions Measurement-Converting Units	Ratio Algebra Decimals	Fractions, Decimals & Percentages Measurement-Area, Perimeter & Volume Statistics	Geometry-Shape Position & Direction	Themed Project & Problem Solving