

Maths Curriculum Overview



*“Learning, loving and growing; together as
God’s children.”*

Our Approach

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 continuing our 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 in Key Stage 2 and NCETM materials in Key Stage 1 and Early Years to deliver our curriculum. Please see below for the overviews we use here at St Stephen's.



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Pupils will build on previous experiences of number, and further develop their subitising and counting skills. They will explore the composition of numbers within 5, and connect the concept of 'parts' and 'whole' to objects and number. They will develop skills in noticing and visualising and begin to compare sets of objects and use the language of comparison. As they move themselves through space, they will develop their understanding of relevant spatial language.		Pupils will continue to develop skills in noticing and visualising; sorting shapes according to their attributes. They will develop their subitising and counting skills and explore the composition of numbers within and beyond 5. They will begin to explore and identify when objects or sets are equal or unequal and connect two equal groups to doubles. They will begin to connect quantities to numerals.		Pupils will continue to develop their skills in noticing and visualising, when engaging with pattern work. They will apply their understanding of equal/not equal and prepositional language when working with a range of measures. They will consolidate their counting skills, counting to larger numbers and developing a wider range of counting strategies. Pupils will secure knowledge of number facts through varied practice.	
Year 1	Previous Reception experiences and counting within 100	Comparison of quantities and part – whole relationships Numbers 0 to 5	Recognise, compose, decompose and manipulate 2D and 3D shape Numbers 0 to 10	Additive structures Addition and subtraction facts within 10	Numbers 0 to 20 Unitising and coin recognition	Position and direction Time
Year 2	Numbers 10 to 100 Calculations within 20	Fluently add and subtract within 10 Addition and subtraction of two-digit numbers Introduction to multiplication	Introduction to multiplication Introduction to division structures	Shape Addition and subtraction of two - digit numbers	Money Fractions Time Position and direction	Multiplication and division – doubling, halving, quotative and partitive division Sense of measure – capacity, volume, mass
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