



## St. Stephen's Junior School

### Curriculum Overview: Maths

At St. Stephen's Junior School, year groups follow the White Rose schemes of work, adopting a mastery approach to Mathematics with the belief that everyone can do Maths! Children are taught together as a whole class with the focus being on breadth and depth – not speed and acceleration.

The three main aims of the National Curriculum are for all children to be fluent, to reason and to problem solve; therefore, expect to see an element of fluency and reasoning/problem solving in every lesson with regular opportunities for 'Maths Talk'. Teachers will also use the concrete, pictorial and abstract approach to ensure children develop secure conceptual understanding. We recognise the importance of Times Tables and how they are fundamental to mathematical fluency. Therefore, we use Times Tables Rockstars throughout the school to engage children with this aspect of Maths.



## Progression in learning:

Our maths curriculum follows the White Rose scheme of learning which uses the concrete, pictorial, abstract approach to introduce and develop children's understanding of mathematical concepts. Mathematical topics are taught in blocks with a clear progression within each block, initially consolidating prior learning before developing and deepening understanding within that strand of mathematics.

An example of this progression is shown below:

NUMBER			
Place Value			
Year 3	Year 4	Year 5	Year 6
Count from 0 in multiples of 4, 8, 50 and 100	Count backwards through 0 to include negative numbers	Interpret negative numbers in context & count forwards and backwards with both positive and negative numbers	Use negative numbers & calculate intervals across 0
Find 10 or 100 more or less than a given number	Count in multiples of 6, 7, 9, 25 and 1000	Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000	Read, write, compare and order numbers to at least 10,000,000 & determine the value of each digit
Read and write numbers up to 1000 in numerals and words	Find 1000 more or less than a given number	Read, write, compare and order numbers to at least 1,000,000 & determine the value of each digit	Round any whole number to a required degree of accuracy
Compare and order numbers up to 1000	Read, write, compare and order numbers beyond 1000	Read Roman Numerals to 1000 & recognise years written in Roman numerals	
Recognise the place value of each digit in a 3 digit number	Recognise the place value of each digit in a 4 digit number		
Read Roman Numerals for 1 – 12	Read Roman Numerals to 100 (in		

Alongside the blocks of learning, we use our calculations policy to ensure consistency of progression across the school. This outlines how the key mathematical operations are developed to help children towards using formal written methods of calculation.

Our calculations policy can be found [here](#).