



MATHS CURRICULUM OVERVIEW – KEY STAGE ONE

St. Stephen's follows the mathematics guidelines as set out by the National Curriculum.

YEAR 1 KEY MATHS OBJECTIVES	YEAR 2 KEY MATHS OBJECTIVES
<p>Pupils should be taught to:</p> <ul style="list-style-type: none">♣ count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number♣ count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens♣ given a number, identify one more and one less♣ read and write numbers from 1 to 20 in numerals and words.♣ read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs♣ represent and use number bonds and related subtraction facts within 20♣ add and subtract one-digit and two-digit numbers to 20, including zero♣ solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.♣ solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.♣ recognise, find and name a half as one of two equal parts of an object, shape or quantity♣ recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.♣ recognise and name common 2-D and 3-D shapes.♣ describe position, direction and movement, including whole, half, quarter and three quarter turns.	<p>Pupils should be taught to:</p> <ul style="list-style-type: none">♣ count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward♣ recognise the place value of each digit in a two-digit number (tens, ones)♣ identify, represent and estimate numbers using different representations, including the number line♣ compare and order numbers from 0 up to 100; use = signs♣ read and write numbers to at least 100 in numerals and in words♣ use place value and number facts to solve problems.♣ recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100♣ add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers♣ show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot♣ recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.♣ recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers♣ calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs♣ show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.♣ recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity♣ write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.♣ identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line♣ identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces♣ identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]