MATHS CURRICULUM OVERVIEW – LOWER KEY STAGE TWO (Y3 AND Y4)

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

YEAR 3 KEY MATHS OBJECTIVES	YEAR 4 KEY MATHS OBJECTIVES
• Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. • Compare and order numbers up to 1000 • Add and subtract numbers mentally, including: HTU+U, HTU+T and HTU+H • Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction • Estimate the answer to a calculation and use inverse operations to check answers • Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables • Count up and down in tenths; • Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • Compare and order unit fractions, and fractions with the same denominators • Recognise and show, using diagrams, equivalent fractions with small denominators • Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators • Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7] • Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) • Measure the perimeter of simple 2-D shapes • Add and subtract amounts of money to give change, using both £ and p in practical contexts • Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks • Estimate and read time with increasing accuracy to the nearest minute • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines • Identify whether angles are greater or less than a right angle • Interpret and present data using bar charts, pictograms and tables	• Count backwards through zero to include negative numbers • Recognise the place value of each digit in a four-digit number • Round any number to the nearest 10, 100 or 1000 • Recall multiplication and division facts for multiplication tables up to 12 × 12 • Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • Recognise and use factor pairs and commutativity in mental calculations • Multiply two-digit and three-digit numbers by a one-digit number using formal written layout • Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. • Recognise and write decimal equivalents to ¼, ½ and ¾ • Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths • Round decimals with one decimal place to the nearest whole number • Compare numbers with the same number of decimal places up to two decimal places • Convert between different units of measure; estimate, compare and calculate different measures, including money in pounds and pence • Find the area of rectilinear shapes by counting squares • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days • Compare and classify geometric shapes, including quadrilaterals and triangles, based on properties and sizes • Complete a simple symmetric figure with respect to a specific line of symmetry • Describe positions on a 2-D grid as coordinates in the first quadrant • Describe movements between positions as translations of a given unit to the left/right and up/down • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs