

Year 4		Maths National Curriculum 2014 Programme of Study (POS)			Au	Sp	Su	Arithmetic Coverage	
Y4 1: Place Value	Y4 1a	Count in multiples of 6,7,8,25 and 1000				<p><u>Calculation and Place Value:</u></p> <ul style="list-style-type: none"> Quick recall of a range of times tables facts up to 12x12 Find 10, 100 or 1000 more than a given number Sequence numbers correctly according to their place value Order numbers up to 1000 Read and write numbers to 1000 Round any number to the nearest 10, 100 and 1000. Read Roman numerals to 100. Count backwards through zero to include negative numbers. Addition – written method Subtraction – written method Division – written method Multiplication – written method Quick recall of a range of times tables Missing number calculations using the inverse Multiply and divide by 10 and 100. Recognise the place value of each digit in a four digit number. <p><u>Addition – written method (up to 4-digits)/mental</u></p> <ul style="list-style-type: none"> Missing number calculations solved using the inverse 	<p><u>Fractions:</u></p> <ul style="list-style-type: none"> Count in Fractions Recognise Equivalent Fractions – Compare Fractions Add and Subtract Fractions of Amounts Decimal and Fraction Equivalence Draw Equivalent Fractions Convert between equivalent fractions Solve simple measure and money problems involving fractions 		
	Y4 1b	Find 1000 more or less than a given number.							
	Y4 1c	Recognise the place value of each digit in a four digit number.							
	Y4 1d	Order and compare numbers beyond 1000.							
	Y4 1e	Identify, represent and estimate numbers using different representations.							
	Y4 1f	Round any number to the nearest 10, 100 and 1000.							
	Y4 1g	Solve number and practical problems that involve all of the above and with increasingly large numbers.							
	Y4 1h	Count backwards through zero to include negative numbers.							
	Y4 1i	Read Roman numerals to 100.							
Y4 2: Addition and Subtraction	Y4 2a	Add and subtract numbers with up to 4 digits using the formal written methods.							
	Y4 2b	Estimate and use inverse operations to check answers to a calculation.							

	Y4 2c	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.				<ul style="list-style-type: none"> Use the inverse to check calculations. Solve problems using distributive law. 	and decimals to two decimal places.
Y4 3: Multiplication and Division	Y4 3a	Recall and use multiplication and division facts for multiplication tables up to 12 x 12.					
	Y4 3b	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.					
	Y4 3c	Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit.					
Y4 4: Fractions, decimals and percentages	Y4 4a	Recognise and show, using diagrams, families of common equivalent fractions.					
	Y4 4b	Count up and down in hundredths, recognise that hundredths arise when dividing an object by one hundred and dividing by tenths and ten.					
	Y4 4c	Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities, including non-unit fractions where the answer is a whole number.					
	Y4 4d	Add and subtract fractions with the same denominator.					

	Y4 4e	Recognise and write decimal equivalents of any number of tenths and hundredths.					
	Y4 4f	Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.					
	Y4 4g	Solve simple measure and money problems involving fractions and decimals to two decimal places.					
	Y4 4h	Compare numbers with the same number of decimal places up to two decimal places.					
	Y4 4i	Round decimals with one decimal place to the nearest whole number.					
	Y4 4j	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.					
Y4 5: Position, Direction and Shape	Y4 5a	Identify acute and obtuse angles and compare and order angles up to two right angles by size.					
	Y4 5b	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.					
	Y4 5C	Identify lines of symmetry in 2D shapes presented in different orientations.					

	Y4 5d	Complete a symmetrical figure with respect to a specific line of symmetry.					
	Y4 5e	Describe positions on a 2D grid as coordinates in the first quadrant					
	Y4 5f	Plot specified points and draw sides to complete a given polygon.					
	Y4 5g	Describe movements between positions as translations of a given unit to left/right/up/down.					
Y4 6: Area, Perimeter and Volume	Y4 6a	Measure and calculate the perimeter of a rectilinear figure in cm and m.					
	Y4 6b	Find the area of rectilinear shapes by counting squares.					
Y4 7: Measure	Y4 7a	Convert between different units of measure.					
	Y4 7b	Estimate, compare and calculate different measures including money in pounds and pence.					
	Y4 7c	Solve simple measure and money problems involving fractions and decimals to two decimal places.					
Y4 8: Time	Y4 8a	Read, write and convert between analogue and digital 12 and 24 hour clocks					

	Y4 8a	Read, write and convert between analogue and digital 12 and 24 hour clocks.					
	Y4 8b	Solve problems involving converting from hours to minutes, minutes to seconds, years to months and weeks to days.					
Y4 9: Statistics	Y4 9a	Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.					
	Y4 9b	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other charts.					