

Year 3	Maths National Curriculum 2014 Programme of Study (POS)		Au	Sp	Su	Arithmetic Coverage	
Y3 1: Place Value	Y3 1a	Identify, represent and estimate numbers using different representations.				Calculation and Place Value: <ul style="list-style-type: none"> Counting forwards and backwards in a range of sequences Number bonds to 100 Sequence numbers correctly according to their place value Place value in tens and hundreds of numbers Comparing numbers using symbols $< = >$ Subtraction – on a blank number line (efficient method) Division – on a blank number line/mental Multiplication – arrays/mental Quick recall of a range of times tables Addition – partition and recombine/jottings/mental Missing number calculations solved using the inverse Count in multiples of 4, 8, 50 and 100. 10 or 100 more than a given number Order number up to 1000 Subtraction – written method 	Fractions: <ul style="list-style-type: none"> Count in tenths Recognise fractions as numbers Add and Subtract (Same Denominator) Recognise equivalent fractions Compare and order fractions Write fractions of numbers Find fractions of numbers (unit) Divide objects into ten equal parts Compare Fractions Use fractions as numbers
	Y3 1b	Find 10 or 100 more or less than a given number.					
	Y3 1c	Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).					
	Y3 1d	Compare and order numbers up to 1000.					
	Y3 1e	Read and write numbers up to 1000 in numerals and in words.					
	Y3 1f	Solve number problems and practical problems involving these ideas.					
	Y3 1g	Count from 0 in multiples of 4, 8, 50 and 100.					
Y3 2: Addition and Subtraction	Y3 2a	Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.					
	Y3 2b	Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.					
	Y3 2c	Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.					
	Y3 2d	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction answers.					

Y3 3: Multiplication and Division	Y3 3a	Count from 0 in multiples of 4, 8, 50 and 100.				<ul style="list-style-type: none"> • Division – written method • Multiplication – written method • Addition – written method • Missing number calculations solved using the inverse • Read and write numbers to 1000 	<ul style="list-style-type: none"> • Solve problems involving fractions • Draw Equivalent Fractions
	Y3 3b	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.					
	Y3 3c	Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.					
	Y3 3d	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.					
Y3 4: Fractions, decimals and percentages	Y3 4a	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					
	Y3 4b	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.					
	Y3 4c	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.					
	Y3 4d	Solve problems that involve all of the above.					
	Y3 4e	Recognise and show, using diagrams, equivalent fractions with small denominators.					
	Y3 4f	Compare and order unit fractions, and fractions with the same denominators.					

	Y3 4g	Add and subtract fractions with the same denominator within one whole.					
Y3 5: Position, Direction and Shape	Y3 5a	Recognise angles as a property of shape or a description of a turn.					
	Y3 5b	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.					
	Y3 5c	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.					
	Y3 5d	Draw 2-D shapes and make 3-D shapes using modelling materials.					
	Y3 5e	Recognise 3-D shapes in different orientations and describe them.					
Y3 6: Area,	Y3 6a	Measure the perimeter of simple 2D shapes.					
Y3 7: Measure	Y3 7a	Add and subtract amounts of money to give change, using both £ and p in practical contexts.					
	Y3 7b	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).					
Y3 8: Time	Y3 8a	Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.					
	Y3 8b	Estimate and read time with increasing accuracy to the nearest minute.					
	Y3 8c	Record and compare time in terms of seconds, minutes and hours.					

	Y3 8d	Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.					
	Y3 8e	Know the number of seconds in a minute and the number of days in each month, year and leap year.					
	Y3 8f	Compare durations of events [for example to calculate the time taken by particular events or tasks].					
Y3 9: Statistics	Y3 9a	Interpret and present data using bar charts, pictograms and tables.					
	Y3 9b	Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.					