

Y3 Maths Overview Spring Term.

Week	Starter Ideas	Main focus of teaching and learning.	Outcomes
		<p>Number, place value and rounding.</p> <ul style="list-style-type: none"> ● To count from 0 in multiples of 4, 8, 50 and 100; finding 10 or 100 more or less than a given number. ● To recognise the place value of each digit in a three-digit number (hundreds, tens, ones). ● To compare and order numbers up to 1000. ● To identify, represent and estimate numbers using different representations. ● To read and write numbers up to 1000 in numerals and in words. ● To solve number problems and practical problems involving these ideas. 	
		<p>Use partitioning to add and subtract two-digit numbers.</p> <ul style="list-style-type: none"> ● To add and subtract numbers mentally, including: <ul style="list-style-type: none"> ● a three-digit number and ones ● a three-digit number and tens ● a three-digit number and hundreds. ● To estimate the answer to a calculation and use inverse operations to check answers. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	
		<p>Multiplication and division: multiplying one-digit numbers by multiples of 10.</p> <ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects. 	
		<p>Multiplication and division: practical and informal written methods.</p> <ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer 	

		scaling problems and correspondence problems in which n objects are connected to m objects.	
		<p>Measures: adding and subtracting money.</p> <ul style="list-style-type: none"> ● To add and subtract amounts of money to give change, using both £ and p in practical contexts. 	
		<p>Recognising and drawing right angles in 2D shapes.</p> <ul style="list-style-type: none"> ● To recognise angles as a property of shape and associate angles with turning. ● To 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. 	
		<p>Addition and subtraction of two-digit numbers using columns.</p> <ul style="list-style-type: none"> ● To add and subtract numbers with up to three digits, using the efficient written methods of columnar addition and subtraction. ● To estimate the answer to a calculation and use inverse operations to check answers. ● To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	
		<p>Multiplication and division: multiplying by multiples of 10, and dividing with remainders.</p> <ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects. 	
		<p>Multiplication and division: multiplying and dividing larger numbers.</p> <ul style="list-style-type: none"> ● To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. ● To write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods. ● To solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects. 	
		<p>Measuring using grams and kilograms.</p> <ul style="list-style-type: none"> ● To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). 	
		<p>Fractions: representing, comparing and ordering unit and non-unit fractions of shapes and numbers.</p> <ul style="list-style-type: none"> ● To count up and down in tenths; recognise that tenths 	

		<p>arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</p> <ul style="list-style-type: none"> ● To recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. ● To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. ● To recognise and show, using diagrams, equivalent fractions with small denominators. ● To compare and order unit fractions, and fractions with the same denominators. ● To solve problems that involve all of the above. 	
		<p>Read and interpret bar charts, using scales.</p> <ul style="list-style-type: none"> ● To interpret and present data using bar charts, pictograms and tables. ● To solve one-step and two-step questions such as 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. 	
		<i>Assess and Review.</i>	