

Y3 Maths Overview Autumn Term.

Week	Starter Ideas	Main focus of teaching and learning.	Outcomes
	<p>Place value in 3-digit numbers</p> <p>Compare pairs of 3-digit numbers, using > and <</p> <p>£ and p place value</p> <p>Count on and back in ones from a three-digit number</p> <p>Count on and back in tens from a 3-digit number</p>	<p>Reading, writing and ordering two- and three-digit numbers .</p> <ul style="list-style-type: none"> ● 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 read and write numbers up to 1000 in numerals and in words. 	
	<p>Pairs to 20, and related subtractions</p> <p>Add any pair of single-digit numbers</p> <p>Add/subtract multiples of 10 to or from any 2-digit number</p> <p>Count on and back in 10s from a 3-digit number</p> <p>Count in 2s from any 3-digit number</p>	<p>Counting and estimating</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 identify, represent and estimate numbers using different representations. 	
	<p>Add pairs of multiples of 10</p> <p>Number bonds Complements to multiples of 10, e.g., $57 + \square = 60$</p> <p>Subtraction number bonds to 10</p> <p>Use place value to add and subtract</p>	<p>Number facts to 20 and to 100</p> <p>Addition and Subtraction of 1 and 2-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 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	
	<p>Doubles to double 15, doubles of multiples of</p>	<p>Multiplication and division facts</p>	

<p>10</p> <p>Halve even numbers to 30, halve even multiples of 10</p> <p>Count in 5s and 10s to at least 100</p> <p>Count in 2s</p> <p>2, 5 and 10 times tables</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>How many mm in a cm ? cm in a m etc</p> <p>Conversion questions.</p>	<p>Measuring using mm, cm and metres</p> <ul style="list-style-type: none"> ● To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). ● To measure the perimeter of simple 2D shapes. 	
<p>Find lines of symmetry 2D shapes</p> <p>Naming 3D shapes</p> <p>Number bonds to 10 and 20</p>	<p>Recognising, describing and making 2D and 3D shapes</p> <ul style="list-style-type: none"> ● To draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them with increasing accuracy. ● To identify horizontal, vertical, perpendicular and parallel lines in relation to other lines. 	
<p>Count on and back in 5s</p> <p>Complements to multiples of 10</p> <p>Bonds to 20</p> <p>Complements to 100</p> <p>Change from £1</p>	<p>Counting and estimating</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 solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	
<p>Times table recall Recall of division and times table facts – inverse operation.</p>	<p>Addition and subtraction of two- and three-digit numbers, using a number line and 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>Count in 3s from 3 to at least 36</p>	<p>Multiplication and division: doubling, halving and TU × U.</p> <ul style="list-style-type: none"> ● To recall and use multiplication and division facts for 	

<p>Count in 4s from 4 to at least 48</p> <p>Division facts for 10 times table</p> <p>Division facts for 5 times table</p> <p>Division facts for 2 times table</p>	<p>the 3, 4 and 8 multiplication tables.</p> <ul style="list-style-type: none"> ● 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>Count in steps of $\frac{1}{2}$ along a number line</p> <p>Doubles to double 15</p> <p>Sort odd and even numbers</p> <p>4 times table</p> <p>3 times table</p>	<p>Fractions: representing, comparing and ordering unit fractions of shapes and numbers .</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 compare and order unit fractions, and fractions with the same denominators. ● To solve problems that involve all of the above. 	
<p>Telling the time 5 times table</p> <p>Pairs of multiples of 5 with a total of 60</p> <p>Units of time</p> <p>Months of the year</p> <p>2 times table</p>	<p>Read and write time to 5 minute intervals.</p> <ul style="list-style-type: none"> ● To tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. ● To estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as am/pm, morning, afternoon, noon and midnight. ● To know the number of seconds in a minute and the number of days in each month, year and leap year. ● To compare durations of events, for example to calculate the time taken by particular events or tasks. 	
<p>Interpretation of data visually – Graphs, charts What's the story of this graph ? What might the information represent and why ?</p>	<p>Read, present and interpret pictograms and tables.</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>	