

Year 3 – Maths Curriculum (End of Year Expectations)

Year 3 Maths			
Year 3 Number and Place Value			
Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions
<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. <input type="checkbox"/> Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). <input type="checkbox"/> Compare and order numbers up to 1000. <input type="checkbox"/> Identify, represent and estimate numbers using different representations. <input type="checkbox"/> Read and write numbers up to 1000 in numerals and in words. <input type="checkbox"/> Solve number problems and practical problems involving these ideas. 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds. <input type="checkbox"/> Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. <input type="checkbox"/> Estimate the answer to a calculation and use inverse operations to check answers. <input type="checkbox"/> Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. <input type="checkbox"/> 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. <input type="checkbox"/> 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 objects. 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 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. <input type="checkbox"/> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. <input type="checkbox"/> Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. <input type="checkbox"/> Recognise and show, using diagrams, equivalent fractions with small denominator. <input type="checkbox"/> Add and subtract fractions with the same denominator within one whole [for example, $5/7 + 1/7 = 6/7$]. <input type="checkbox"/> Compare and order unit fractions, and fractions with the same denominators. <input type="checkbox"/> Solve problems that involve all of the above.
Year 3 Geometry and Measures			
Measures	Geometry – Properties of Shapes	Geometry – Position and Movement	Statistics
<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). <input type="checkbox"/> Measure the perimeter of simple 2-D shapes. <input type="checkbox"/> Add and subtract amounts of money to give change, using both £ and p in practical contexts. <input type="checkbox"/> Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. <input type="checkbox"/> Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. <input type="checkbox"/> Know the number of seconds in a minute and the number of days in each month, year and leap year. <input type="checkbox"/> Compare durations of events [for example to calculate the time taken by particular events or tasks]. 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them. <input type="checkbox"/> Recognise angles as a property of shape or a description of a turn. <input type="checkbox"/> 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. <input type="checkbox"/> Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise). 	<p>Sufficient evidence shows the ability to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Interpret and present data using bar charts, pictograms and tables solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?']. <input type="checkbox"/> Use information presented in scaled bar charts and pictograms and tables.