



# Year 1 and 2 Maths Long Term Plan

## PHASE 1

	Number and Place Value	Addition and Subtraction	Shape
Year 1	<p><b>5 WEEKS (within 10)</b></p> <ul style="list-style-type: none"> <li>Count forwards and backwards, beginning with 0 or 1, from any given number.</li> <li>Count, read and write numbers in numerals and words.</li> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</li> </ul>	<p><b>5 WEEKS (within 10)</b></p> <ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts.</li> <li>Add and subtract one digit numbers, including zero.</li> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> </ul>	<p><b>2 WEEKS</b></p> <ul style="list-style-type: none"> <li>Recognise, name and sort common 2D &amp; 3D shapes, including rectangles, squares, circles and triangles. including cuboids, pyramids and spheres.</li> </ul>
Year 2	<p><b>4 WEEKS</b></p> <ul style="list-style-type: none"> <li>Read and write numbers to at least 100 in numerals and words.</li> <li>Recognise the place value of each digit in a two digit number.</li> <li>Identify, represent and estimate numbers to 100 using different representations including the number line.</li> <li>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs.</li> <li>Partition two-digit numbers into tens and units.</li> <li>Use place value and number facts to solve problems.</li> <li>Find different ways to partition two-digit numbers into tens and units. <b>The pupil can partition two-digit numbers into different combinations of tens and ones. This may include using apparatus</b></li> <li>Count in steps of 2, 5 and 10 from 0 and in tens from any number, forward and backward.</li> <li>Count in steps of 3 from 0 forward or backward</li> </ul>	<p><b>5 WEEKS</b></p> <ul style="list-style-type: none"> <li>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</li> <li>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</li> <li>Begin to understand and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</li> <li>Begin to use estimation to check that answers are reasonable.</li> <li>Add and subtract numbers including: a two- digit number and ones; a two-digit number and tens.</li> <li>Add and subtract numbers including: two two-digit numbers.</li> <li>Add three one digit numbers.</li> <li>Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods.</li> </ul>	<p><b>2 WEEKS</b></p> <ul style="list-style-type: none"> <li>Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.</li> <li>Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.</li> <li>Identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid.</li> <li>Compare and sort common 2D and 3D shapes and everyday objects.</li> </ul>

## PHASE 2

	<b>Multiplication and Division Value</b>	<b>Yr1 Place</b>	<b>Measurement</b>	<b>Fractions</b>	<b>Addition &amp; Subtraction</b>
<b>Y e a r 1</b>	<b>3 WEEKS</b> <ul style="list-style-type: none"> <li>●Count in multiples of twos, fives and tens.</li> <li>●Share objects equally by counting how many in each group.</li> <li>●Use arrays with the support of the teacher</li> <li>●Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations</li> </ul>	<b>2 WEEKS –(within 20)</b> <ul style="list-style-type: none"> <li>●Count forwards and backwards, beginning with 0 or 1, or from any number.</li> <li>●Count, read and write numbers in numerals and words.</li> <li>●Identify and represent numbers using objects and pictorial representations.</li> <li>●Given a number identify 1 more or 1 less.</li> </ul>	<b>2 WEEKS</b> <b>Length and Height</b> <ul style="list-style-type: none"> <li>●Use vocab to describe heights and lengths – length long/short, longer/shorter, tall/short,</li> <li>●Measure and begin to record lengths and heights.</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>●Recognise, find and name a half as one of two equal parts of an object, shape or quantity.</li> <li>●Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</li> </ul>	<b>3 WEEKS (within 20)</b> <ul style="list-style-type: none"> <li>●Represent and use number bonds and related subtraction facts.</li> <li>●Add and subtract one digit numbers, including zero.</li> <li>●Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> </ul>
	<b>Multiplication and Division</b>		<b>Measurement</b>	<b>Fractions</b>	<b>Statistics</b>
<b>Y e a r 2</b>	<b>5 WEEKS</b> <ul style="list-style-type: none"> <li>●Make equal groups.</li> <li>●Recognise unequal groups and redistribute from unequal groups to make equal groups</li> <li>●Add equal groups.</li> <li>●Make arrays.</li> <li>●Recall and use multiplication and division facts for the 2, 5 and 10 times table.</li> <li>●Solve problems involving multiplication and division, including problems in contexts.</li> <li>●Calculate mathematical statements for multiplication and division within the multiplication tables and write them using (x), (÷) and (=) sign.</li> <li>●Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</li> </ul>		<b>2 WEEKS</b> <b>Length and Height</b> <ul style="list-style-type: none"> <li>●Estimate and measure length/height (m/cm) using rulers.</li> <li>●Compare and order length and record the results using &gt;, &lt; and =.</li> </ul>	<b>3 WEEKS</b> <ul style="list-style-type: none"> <li>●Write simple fractions for example, <math>\frac{1}{2}</math> of <math>6 = 3</math></li> <li>●Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity.</li> <li>●Recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>●Ask and answer questions by counting the number of objects in each category to find totals. Sort the categories by quantity and compare categorical data.</li> <li>●Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> </ul>

### PHASE 3

	<b>Number &amp; Place Value</b>	<b>Measurement - Mass &amp; volume</b>	<b>Measurement - Money</b>	<b>Number &amp; Place Value</b>	<b>Measurement - Time</b>	<b>Shape</b>
<b>Year 1</b>	<b>2 WEEKS (within 50)</b> <ul style="list-style-type: none"> <li>Count forwards and backwards, beginning with 0 or 1, or from any number.</li> <li>Count, read and write numbers in numerals and words Identify and represent numbers using objects and pictorial representations.</li> <li>Given a number identify 1 more or 1 less.</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>Compare quantities for mass/weight/volume using appropriate language [heavy/light, heavier than, lighter than]; full/empty, more than, less than, half, half full, quarter]</li> <li>Measure and begin to record mass/weight, capacity and volume.</li> </ul>	<b>2 WEEKS (including addition and subtraction)</b> <ul style="list-style-type: none"> <li>Recognise and know the value of different denominations of coins and notes.</li> <li>Use money to solve one step problems</li> </ul>	<b>2 WEEKS – within 100</b> <ul style="list-style-type: none"> <li>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</li> <li>Count, read and write numbers from 1-100 in numerals and words.</li> <li>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least.</li> <li>Given a number, identify one more and one less</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>Tell the time to the hour and half past the hour</li> <li>Use language relating to dates, including days of the week, weeks, months and years.</li> <li>Begin to record time (hours, minutes, seconds)</li> <li>Sequence events in chronological order using appropriate language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>Describe position, direction and movement, including whole, half, quarter and three quarter turns.</li> </ul>
	<b>Measurement - Time</b>	<b>Measurement - Mass, capacity &amp; temperature</b>	<b>Money</b>	<b>SATS</b>	<b>Money</b>	<b>Consolidation and problem solving</b>
<b>Year 2</b>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>Tell and write the time including quarter past/to the hour.</li> <li>Tell and write the time to five minutes.</li> </ul>	<b>3 WEEKS</b> <ul style="list-style-type: none"> <li>Estimate and measure mass (kg/g) using scales. Compare and order mass and record the results using &gt;, &lt; and =.</li> <li>Estimate and measure capacity (l/ml) and temperature (oC) using thermometers and measuring vessels</li> </ul>	<b>1 WEEK</b> <ul style="list-style-type: none"> <li>Recognise and use symbols of pounds (£) and pence (p); combine amounts to make a particular value.</li> </ul>	<b>1 Week KS1 SATS</b>	<b>1 WEEK Money</b> <ul style="list-style-type: none"> <li>Find different combinations of coins that equal the same amounts of money.</li> </ul>	<b>2 WEEKS</b> <ul style="list-style-type: none"> <li>Order and arrange combinations of mathematical objects in patterns and sequences.</li> <li>Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line.</li> <li>Distinguish between rotation as a turn and in terms of right angles for quarter, half and three- quarter turns (clockwise and anti- clockwise).</li> </ul>

