

## Maths Long Term Planning : Year 1

Autumn 1			
Number and Place Value	Addition and Subtraction	Measures	Additional Mental Maths
<ul style="list-style-type: none"> <li>Count to ten, forwards &amp; backwards, beginning with 0 or 1 from any given number.</li> <li>Count, read and write numbers to 10 in numerals &amp; words.</li> <li>Given a number, identify one more or one less.</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> <li>Count to twenty, forwards and backwards beginning with 0 or 1, from any given number.</li> </ul>	<ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 10. Partitioning numbers to 10 in different ways.</li> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> <li>Add and subtract one digit numbers to 10, including zero.</li> <li>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and name common 2D shapes, including rectangles, squares, circles and triangles.</li> <li>Sequence events in chronological order using the correct vocabulary.</li> <li>Use the correct language for days, weeks, months and years.</li> </ul>	<ul style="list-style-type: none"> <li>Tell the time to the hour and draw the hands on a clock face to show times.</li> <li>Compare and describe lengths and heights (e.g. long/short, longer/shorter, tall/short)</li> <li>Compare and describe mass/weight (e.g. heavy/light, heavier than, lighter than)</li> <li>Recognise and know the denominations of coins (1p 2p 5p 10p)</li> </ul>

Autumn 2			
Number and Place Value	Addition and Subtraction	Measures	Additional Mental Maths
<ul style="list-style-type: none"> <li>Count to twenty, forwards and backwards beginning with 0 or 1, from any given number.</li> <li>Count, read and write numbers to 50 in numerals and words.</li> <li>Given a number, identify one more or one less.</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> <li>Understand what each digit represents in numbers to 20 and represent these numbers with structured resources.</li> </ul>	<ul style="list-style-type: none"> <li>Practical addition and subtraction problems within 20 – independent recording.</li> <li>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and name common 3D shapes, including cuboids, cubes, pyramids and spheres</li> <li>Sequence events in chronological order using the correct vocabulary.</li> <li>Use the correct language for days, weeks, months and years.</li> </ul>	<ul style="list-style-type: none"> <li>Tell the time to the hour and draw the hands on a clock face to show times.</li> <li>Compare and describe capacity and volume (e.g. full/empty, half full/half empty, more than/less than, quarter)</li> <li>Recognise and know the denominations of coins (1p 2p 5p 10p)</li> </ul>

Spring 1			
Number and Place Value	Addition and Subtraction	Measures	Additional Mental Maths
<ul style="list-style-type: none"> <li>Count to 50 forwards and backwards, beginning with 0 or 1, or from any number.</li> <li>Count, read and write numbers to 50 in numerals.</li> <li>Given a number, identify one more or one less to 100</li> <li>Count in multiples of 10</li> <li>Understand what each number represents in a two-digit number.</li> </ul>	<ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20.</li> <li>Read, Write and interpret mathematical statements involving addition, subtraction &amp; equals signs.</li> <li>Add and subtract one-digit and two digit numbers to 20 including zero.</li> <li>Use a number line to support addition and subtraction counting.</li> </ul>	<ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)</li> <li>Shape- recognise 2D &amp; 3D shapes and identify them in different orientations</li> </ul>	<ul style="list-style-type: none"> <li>Mentally add/subtract using jumps of 10</li> <li>Make connections in number patterns 2s, 5s and 10s</li> <li>Shapes- Use mathematical language to describe shapes</li> <li>Time- o'clock, <math>\frac{1}{2}</math> past</li> <li>Fractions- half a metre, half full, half empty, quarter full, quarter empty etc</li> <li>Recognise and know the value of all the different coins</li> </ul>

Spring 2			
Number and Place Value	Addition and Subtraction	Measures	Additional Mental Maths
<ul style="list-style-type: none"> <li>Count in multiples of 2, 5 and 10</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> <li>Understand what each number represents in a two-digit number.</li> </ul>	<ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20.</li> <li>Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems such as <math>7 = \quad - 9</math> (commutativity)</li> </ul> <p><u>Multiplication &amp; Division</u></p> <ul style="list-style-type: none"> <li>Make equal groups and arrays, add equal groups and arrays and make doubles.</li> <li>Begin to double quantities of objects.</li> </ul>	<ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for mass/weight: [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]</li> <li>Tell the time to the nearest hour</li> </ul>	<ul style="list-style-type: none"> <li>Counting in 1s forwards and backwards to 100</li> <li>Read and write in numerals to 100</li> <li>Recognise difference between odd and even numbers</li> <li>Write numbers to 20 in words</li> <li>Shape- recognise 2D &amp; 3D shapes as irregular shapes</li> <li>Shapes- Use mathematical language to describe shapes</li> <li>Time- o'clock, <math>\frac{1}{2}</math> past</li> <li>Fractions- half and quarter turns</li> <li>Fractions- half and quarters as sharing</li> <li>Begin to double quantities of objects</li> <li>Make patterns of shapes and numbers</li> <li>Recognise and know the value of all the different coins and notes</li> </ul>

Summer 1			
Number and Place Value	Multiplication and division/fractions	Measures	Additional Mental Maths
<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 in steps of 1, 2, 5 and 10s</li> <li>Partitioning 2 digit numbers into tens and ones.</li> <li>Count, read and write numbers to 100 in numerals.</li> <li>Given a number, identify one more or one less.</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> </ul>	<ul style="list-style-type: none"> <li>Count in multiples of twos, fives and tens.</li> <li>Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with support of their teacher.</li> <li>Make equal groups and arrays, add equal groups and arrays and make doubles.</li> <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>	<ul style="list-style-type: none"> <li>Describe position, direction and movement, including whole, half, quarter and three quarter turns.</li> <li>Recognise and know the value of different dominations of coins and notes.</li> <li>Half fill/half empty/half a meter etc</li> </ul>	<ul style="list-style-type: none"> <li>Apply number bonds to 10 to number bonds to 20</li> <li>Introduce the idea of commutativity</li> <li>Add some 2 digit numbers under 20 mentally</li> <li>Number bonds to 10 +/-</li> <li>Missing numbers using number bonds</li> <li>Shape- describe position, directions and movements</li> <li>Time- hours, minutes, seconds.</li> <li>Time- o'clock/ <math>\frac{1}{2}</math> past</li> <li>Compare quantities using correct vocabulary</li> </ul>

Summer 2			
Number and Place Value	Addition and Subtraction	Measures	Additional Mental Maths
<ul style="list-style-type: none"> <li>Count in steps of 2, 5 and 10.</li> <li>Represent, compare and order numbers to 100.</li> <li>Compare numbers of quantities using the language of equal to, more than, less than (fewer), most, least.</li> <li>Read and write some numbers to 20 in words</li> </ul>	<ul style="list-style-type: none"> <li>Contextual addition and subtraction problems within 30, using "+", "-" and "=" symbols .</li> <li>Apply knowledge of number bonds to 10 to number pairs to 20.</li> <li>Begin to add/subtract using jumps of ten and one using a structured number for support.</li> <li>Understand the relationship between addition and subtraction, knowing that, for example, if <math>7 + 3 = 10</math>, then <math>3 + 7 = 10</math>, <math>10 - 7 = 3</math> and <math>10 - 3 = 7</math>.</li> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as <math>7 = ? - 9</math>.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise and know the value of different dominations of coins and notes.</li> <li>Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</li> <li>Compare, describe and solve practical problems for time.</li> <li>Measure and begin to record time.</li> <li>Combine different fractions to make a whole</li> </ul>	<ul style="list-style-type: none"> <li>Read and write numbers to 100 in numerals</li> <li>Partition all 2 digit numbers accurately</li> <li>Mentally add and subtract in jumps of 1 &amp; 10</li> <li>Represent, compare and order to 100</li> <li>Make and continue patterns linking with multiplication</li> <li>Shape- make <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{3}{4}</math> turns</li> <li>Shape- use the correct vocabulary for position, direction and movements</li> <li>Recognise <math>\frac{1}{2}</math> &amp; <math>\frac{1}{4}</math> of shapes, objects &amp; quantities</li> <li>Measure- what do you measure weight/height/capacity in?</li> </ul>