

## Long Term Overview KS1 Maths

### Autumn Term:

Unit Title	Place Value (Within 10)	Addition and Subtraction (Within 10)	Geometry: Shape	Place Value (Within 20)	Consolidation
Term	Autumn (1)	Autumn (1)	Autumn (1)	Autumn (2)	Autumn (2)
No. Weeks	4 Weeks	4 Weeks	1 Week	2 Weeks	3 Weeks
<b>Overview Year 1</b>	<ul style="list-style-type: none"> <li>I can count to and across 100, forwards and backwards, beginning with 0 or 1 from any given number</li> <li>I can count, read and write numbers to 10 in numerals and words.</li> <li>I can identify one more or one less from any number</li> <li>I can 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>	<ul style="list-style-type: none"> <li>I can read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>I can represent and use number bonds and related subtraction facts within 20</li> <li>I can add and subtract one-digit and two-digit numbers to 20, including 0</li> <li>I can 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>I can recognise and name common 2-D shapes, including rectangle, square, circle and triangle</li> <li>I can recognise and name common 3D shapes, including, cubes, cuboids, pyramids and spheres</li> </ul>	<ul style="list-style-type: none"> <li>I can count to and across 100, forwards and backwards, beginning with 0 or 1 from any given number</li> <li>I can count, read and write numbers to 10 in numerals and words.</li> <li>I can identify one more or one less from any number</li> <li>I can 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>	<ul style="list-style-type: none"> <li>Students will consolidate their learning from across the term with any further interventions to support gaps in learning being taught and reinforced.</li> </ul>

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### Spring Term:

Unit Title	Addition and Subtraction (within 20)	Place Value (within 50) & Multiples (2, 5 & 10)	Measurement: Length and Height	Measurement: Weight and Volume
Term	Autumn (1)	Autumn (1)	Autumn (1)	Autumn (2)
No. Weeks	4 Weeks	3 Weeks	2 Weeks	2 Weeks
<b>Overview Year 1</b>	<ul style="list-style-type: none"> <li>I can read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>I can represent and use number bonds and related subtraction facts within 20</li> <li>I can add and subtract one-digit and two-digit numbers to 20, including 0</li> <li>I can 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>I can count to and across 100, forwards and backwards, beginning with 0 or 1 from any given number</li> <li>I can count, read and write numbers to 10 in numerals and words.</li> <li>I can identify one more or one less from any number</li> <li>I can 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>	<ul style="list-style-type: none"> <li>I can begin to measure and record lengths and heights e.g. long/short, longer/shorter, tall/short, double/half</li> </ul>	<ul style="list-style-type: none"> <li>I can begin to measure and record mass and weight e.g. heavy/light, heavier than/lighter than</li> <li>I can begin to measure and record capacity and volume e.g. full/empty, more than/less than, half/half full/quarter full</li> </ul>

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### Summer Term:

Unit Title	Multiplication and Division (Multiples 2, 5 & 10)	Fractions	Geometry: Position and Direction	Place Value (within 100)	Measurement: Money	Measurement: Time
Term	Autumn (1)	Autumn (1)	Autumn (1)	Autumn (2)	Autumn (2)	Autumn (2)
No. Weeks	3 Weeks	2 Weeks	1 Week	3 Weeks	1 Week	2 Weeks
<b>Overview Year 1</b>	<ul style="list-style-type: none"> <li>I can count to and across 100, forwards and backwards, beginning with 0 or 1 from any given number</li> <li>I can count, read and write numbers to 10 in numerals and words.</li> <li>I can identify one more or one less from any number</li> <li>I can 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>	<ul style="list-style-type: none"> <li>I can recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity</li> <li>I can recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity</li> </ul>	<ul style="list-style-type: none"> <li>I can describe position, directions and movements, including whole, half, quarter and three-quarter turns</li> </ul>	<ul style="list-style-type: none"> <li>I can count to and across 100, forwards and backwards, beginning with 0 or 1 from any given number</li> <li>I can count, read and write numbers to 10 in numerals and words.</li> <li>I can identify one more or one less from any number</li> <li>I can 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>	<ul style="list-style-type: none"> <li>I can recognise and know the value of different denominations of coins and notes</li> </ul>	<ul style="list-style-type: none"> <li>I can begin to solve practical problems for time e.g. quicker/slower, earlier/later</li> </ul>

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### Autumn Term:

Unit Title	Place Value	Addition and Subtraction	Measurement: Money	Multiplication and Division
Term	Autumn (1)	Autumn (1)	Autumn (1)	Autumn (2)
No. Weeks	3 Weeks	5 Weeks	2 Weeks	2 Weeks
<b>Overview Year 2</b>	<ul style="list-style-type: none"> <li>I can count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward</li> <li>I can recognise the place value of each digit in a two-digit number (10s, 1s)</li> <li>I can identify, represent and estimate numbers using different representations, including the number line</li> <li>I can compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> <li>I can read and write numbers to at least 100 in numerals and in words</li> <li>I can use place value and number facts to solve problems.</li> </ul>	<ul style="list-style-type: none"> <li>I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and 1s</li> <li>a two-digit number and 10s</li> <li>2 two-digit numbers</li> <li>adding 3 one-digit numbers</li> </ul> </li> <li>I can show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>I can show that addition of two numbers can be done in any order and subtraction of one number from another cannot</li> </ul>	<ul style="list-style-type: none"> <li>I can recognise and use symbols for pounds (£) and pence (p)</li> <li>I can combine amounts to make a particular value</li> <li>I can find different combinations of coins that equal the same amounts of money</li> </ul>	<ul style="list-style-type: none"> <li>I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> <li>I can show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot</li> <li>I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul>

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### Spring Term:

Unit Title	Multiplication and Division	Statistics	Geometry: Properties of Shape	Fractions	Measurement: Length and Height
Term	Autumn (1)	Autumn (1)	Autumn (1)	Autumn (2)	Autumn (2)
No. Weeks	2 Weeks	2 Weeks	3 Weeks	3 Weeks	1 Week
<b>Overview Year 2</b>	<ul style="list-style-type: none"> <li>I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>I can show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot</li> <li>I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</li> </ul>	<ul style="list-style-type: none"> <li>I can interpret and construct simple pictograms, tally charts, block diagrams and tables</li> <li>I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>I can ask and answer questions about totalling and comparing categorical data.</li> </ul>	<ul style="list-style-type: none"> <li>I can order and arrange combinations of mathematical objects in patterns and sequences</li> <li>I can 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 anti-clockwise)</li> </ul>	<ul style="list-style-type: none"> <li>I can 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>I can write simple fractions, for example <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math>.</li> </ul>	<ul style="list-style-type: none"> <li>I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); to the nearest appropriate unit, using rulers and scales</li> <li>I can compare and order lengths and record the results using <math>&gt;</math>, <math>&lt;</math> and =</li> </ul>

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### Summer Term:

Unit Title	Geometry: Position and Direction	Problem Solving	Measurement: Time	Measurement: Mass, Capacity and Temperature	Consolidation
Term	Summer (1)	Summer (1)	Summer (1)	Summer (2)	Summer (2)
No. Weeks	3 Weeks	2 Weeks	2 Weeks	3 Weeks	2 Weeks
<b>Overview Year 2</b>	<ul style="list-style-type: none"> <li>I can order and arrange combinations of mathematical objects in patterns and sequences</li> <li>I can 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 anti-clockwise).</li> </ul>	<ul style="list-style-type: none"> <li>I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul>	<ul style="list-style-type: none"> <li>I can compare and sequence intervals of time</li> <li>I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times</li> <li>I can understand the number of minutes in an hour and the number of hours in a day</li> </ul>	<ul style="list-style-type: none"> <li>I can choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (<math>^{\circ}\text{C}</math>) and capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels</li> <li>I can compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul>	<ul style="list-style-type: none"> <li>Students will consolidate their learning from across the term with any further interventions to support gaps in learning being taught and reinforced.</li> </ul>