

<p><b>Y1 Block A Term 1 (15 lessons) 1A1</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b> <b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b> <b>Year 1</b></p> <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 to 100 in numerals; count in multiples of twos, fives and tens</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</li> <li>recognise the place value of each digit in a two-digit number (tens, ones)</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Lengths and heights</li> </ul> </li> <li>Recognise and know the value of different denominations of coins and notes</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> <li>2-D shapes (e.g. rectangles (including squares), circles and triangles)</li> </ul> </li> </ul>	<p><b>Addition and subtraction</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>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> </ul> </li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> <li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>find different combinations of coins that equal the same amounts of money</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line</li> </ul> <p><b>Statistics</b> <b>Pupils should be taught to:</b></p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> </ul>

<p><b>Y1 Block B Term 1 (15 lessons)</b> <b>1B1</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <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>Read and write numbers from 1 to 20 in numerals and words.</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>identify, represent and estimate numbers 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>read and write numbers to at least 100 in numerals and in words</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Fractions</b></p> <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> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>describe position, directions and movements, including half, quarter and three-quarter turns.</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>solve one-step problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>order and arrange combinations of mathematical objects in patterns</li> </ul> <p><b>Statistics</b></p> <p><b>Pupils should be taught to:</b></p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li></li> </ul>

<p><b>Y1 Block C Term 1 (15 lessons) 1C1</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b> <b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b> <b>Year 1</b></p> <ul style="list-style-type: none"> <li>Given a number, identify one more and one less</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>identify, represent and estimate numbers using different representations, including the number line</li> <li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero</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> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Lengths and heights</li> </ul> </li> <li>Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</li> <li>Recognise and use language relating to dates, including days of the week, weeks, months and years</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> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> <li>3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li> </ul> </li> </ul>	<p><b>Addition and subtraction (Block A/C)</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>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>compare and order lengths and record the results using &gt;, &lt; and =</li> <li>compare and sequence intervals of time</li> <li>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>know the number of minutes in an hour and the number of hours in a day</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> </ul>

<p><b>Y1 Block D Term 1 (15 lessons)</b> <b>1D1</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <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>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>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</li> <li>use place value and number facts to solve problems.</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Fractions</b></p> <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>	<p><b>Multiplication and division (Block B/D)</b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>order and arrange combinations of mathematical objects in patterns</li> </ul>

<p><b>Y1 Block A Term 2 (15 lessons) 1A2</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Read and write numbers from 1 to 20 in numerals and words.</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>identify, represent and estimate numbers 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>read and write numbers to at least 100 in numerals and in words</li> <li>use place value and number facts to solve problems.</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero</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> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Mass or weight (e.g. heavy/light, heavier than, lighter than)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Mass/weight</li> </ul> </li> <li>Recognise and know the value of different denominations of coins and notes</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> <li>2-D shapes (e.g. rectangles (including squares), circles and triangles)</li> <li>3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li> </ul> </li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>solve one-step problems with addition and subtraction: <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>fluently, and derive and use related facts up to 100</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <li>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order mass and record the results using &gt;, &lt; and =</li> <li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>find different combinations of coins that equal the same amounts of money</li> <li>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line</li> <li>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> </ul>

<p><b>Y1 Block B Term 2 (15 lessons) 1B2</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <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 to 100 in numerals; count in multiples of twos, fives and tens</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</li> <li>recognise the place value of each digit in a two-digit number (tens, ones)</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Fractions</b></p> <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> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>describe position, directions and movements, including half, quarter and three-quarter turns.</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>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 (<math>=</math>) signs</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>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> <p><b>Statistics</b> <b>Pupils should be taught to:</b></p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> </ul>

<p><b>Y1 Block C Term 2 (15 lessons) 1C2</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Given a number, identify one more and 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> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>identify, represent and estimate numbers using different representations, including the number line</li> <li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero</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> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Capacity/volume (full/empty, more than, less than, quarter)</li> <li>Time (quicker, slower, earlier, later)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Capacity and volume</li> <li>Time (hours, minutes, seconds)</li> </ul> </li> <li>Recognise and know the value of different denominations of coins and notes</li> <li>Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</li> <li>Recognise and use language relating to dates, including days of the week, weeks, months and years</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> </ul>	<p><b>Addition and subtraction (Block A/C)</b></p> <ul style="list-style-type: none"> <li>solve problems with addition and subtraction: <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> </ul> </li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order volume/capacity and record the results using &gt;, &lt; and =</li> <li>compare and sequence intervals of time</li> <li>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>know the number of minutes in an hour and the number of hours in a day</li> </ul>

<p><b>Y1 Block D Term 2 (15 lessons) 1D2</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <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 to 100 in numerals; count in multiples of twos, fives and tens</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</li> <li>use place value and number facts to solve problems.</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>Describe position, directions and movements, including half, quarter and three-quarter turns.</li> </ul>	<p><b>Multiplication and division (Block B/D)</b></p> <ul style="list-style-type: none"> <li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Geometry: position and direction</b></p> <ul style="list-style-type: none"> <li>order and arrange combinations of mathematical objects in patterns</li> <li>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>

<p><b>Y1 Block A Term 3 (15 lessons)</b> <b>1A3</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <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>Year 2</b></p> <ul style="list-style-type: none"> <li>recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>identify, represent and estimate numbers using different representations, including the number line</li> <li>compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</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> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Lengths and heights</li> </ul> </li> <li>Recognise and know the value of different denominations of coins and notes</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>recognise and name common 2-D and 3-D shapes, including: <ul style="list-style-type: none"> <li>2-D shapes (e.g. rectangles (including squares), circles and triangles)</li> <li>3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li> </ul> </li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>solve one-step problems with addition and subtraction: <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); temperature (<math>^{\circ}\text{C}</math>) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order lengths and record the results using &gt;, &lt; and =</li> <li>recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>find different combinations of coins that equal the same amounts of money</li> <li>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"> <li>identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line</li> <li>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</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 2-D and 3-D shapes and everyday objects</li> </ul>

<p><b>Y1 Block B Term 3 (15 lessons) 1B3</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens</li> <li>Read and write numbers from 1 to 20 in numerals and words.</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward</li> <li>recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>read and write numbers to at least 100 in numerals and in words</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Fractions</b></p> <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>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>solve one-step problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Statistics</b></p> <p>Pupils should be taught to:</p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>ask and answer questions about totaling and comparing categorical data.</li> </ul>

<p><b>Y1 Block C Term 3 (15 lessons)</b> <b>1C3</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <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>Year 2</b></p> <ul style="list-style-type: none"> <li>recognise the place value of each digit in a two-digit</li> </ul>	<p><b>Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Add and subtract one-digit and two-digit numbers to 20, including zero</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> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for: <ul style="list-style-type: none"> <li>Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half)</li> <li>Mass or weight (e.g. heavy/light, heavier than, lighter than)</li> <li>Capacity/volume (full/empty, more than, less than, quarter)</li> <li>Time (quicker, slower, earlier, later)</li> </ul> </li> <li>Measure and begin to record the following: <ul style="list-style-type: none"> <li>Lengths and heights</li> <li>Mass/weight</li> <li>Capacity and volume</li> <li>Time (hours, minutes, seconds)</li> </ul> </li> <li>Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening</li> </ul>	<p><b>Addition and subtraction (Block A/C)</b></p> <ul style="list-style-type: none"> <li>solve problems with addition and subtraction: <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> <li>a two-digit number and ones</li> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <li>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</li> <li>compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</li> <li>compare and sequence intervals of time</li> <li>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>know the number of minutes in an hour and the number hours in a day</li> </ul>

Medium Term Plans for Mathematics: Curriculum 2014 Year 1 and 2

<p>number (tens, ones)</p> <ul style="list-style-type: none"><li>• identify, represent and estimate numbers 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>• use place value and number facts to solve problems.</li></ul>	<ul style="list-style-type: none"><li>• Recognise and use language relating to dates, including days of the week, weeks, months and years</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></ul> <p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"><li>• recognise and name common 2-D and 3-D shapes, including:<ul style="list-style-type: none"><li>○ 2-D shapes (e.g. rectangles (including squares), circles and triangles)</li><li>○ 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li></ul></li></ul>	<p><b>Geometry: properties of shapes</b></p> <ul style="list-style-type: none"><li>• compare and sort common 2-D and 3-D shapes and everyday objects</li></ul>
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<p><b>Y1 Block D Term 3 (15 lessons)</b> <b>1D3</b></p>	<p><b>Year 1 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>	<p><b>Year 2 Learning Objectives :</b> <i>By the end of this sequence of lessons all pupils will be able to.....</i></p>
<p><b>Problem solving and reasoning</b></p> <p><b>Year 1</b></p> <ul style="list-style-type: none"> <li>Solve problems involving counting, simple adding, subtracting, doubling or halving in the context of measures or money, e.g. 'pay' and 'give change'</li> <li>Describe a problem using numbers, practical materials and pictures and use these to solve the problem and set the solution back in context</li> <li>Talk about methods used to solve problems and explain choices and decisions orally or using pictures</li> <li>Talk about and generate simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions and say how objects differ or share the same properties</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>select the mathematics they use in some classroom activities</li> <li>discuss their work using mathematical language</li> <li>begin to represent their work using symbols and simple diagrams predict what comes next in a simple number, shape or spatial pattern or sequence and give reasons for their opinions</li> <li>explain why an answer is correct</li> </ul> <p><b>Number and Place Value</b></p> <p><b>Year 1</b></p> <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 to 100 in numerals; count in multiples of twos, fives and tens</li> </ul> <p><b>Year 2</b></p> <ul style="list-style-type: none"> <li>count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward use place value and number facts to solve problems</li> </ul>	<p><b>Multiplication and division</b></p> <ul style="list-style-type: none"> <li>solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher</li> </ul> <p><b>Fractions</b></p> <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>	<p><b>Multiplication and division (Block B/D)</b></p> <ul style="list-style-type: none"> <li>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> <li>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>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <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>write simple fractions e.g. <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of two quarters and one half.</li> </ul> <p><b>Statistics</b></p> <p>Pupils should be taught to:</p> <ul style="list-style-type: none"> <li>interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>ask and answer questions about totaling and comparing categorical data.</li> </ul>