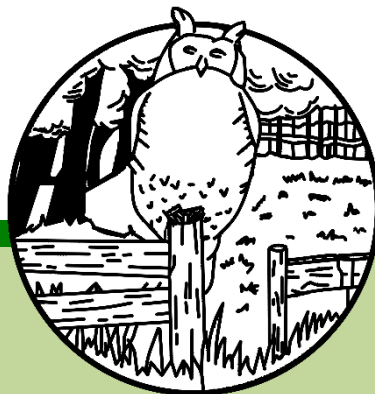


# Key Stage 1 Maths Curriculum Overview



Woodland Grange Primary School

Aiming high to achieve excellence and success by working together.

The following document gives a clear pathway through key stage 1 in terms of the maths that is taught in each year group. You will notice that there is progression in what children are taught as well as areas that are only covered at the upper end of KS1 (as part of our maths curriculum we would reflect on not ‘overloading’ one year group and seek to build up the learning in year 1 in ‘interpreting data’ for example). Please remember that this is a guide. We constantly reflect, plan and deliver according to the needs of the children in each year group.

	Year 1	Year 2
<b>Counting</b>	<ul style="list-style-type: none"> <li>Count to and across 100 (forwards and backwards) beginning from any given number</li> <li>Count, read and write numbers up to 100 in numerals.</li> <li>Count in 2s, 5s and 10s</li> </ul>	<ul style="list-style-type: none"> <li>Count in steps of 2, 3, 5 and 10 from any given number (forwards and backwards)</li> </ul>
<b>Place Value</b>		<ul style="list-style-type: none"> <li>Recognise the value of each digit in a 2-digit number</li> <li>Compare and order numbers from 0 up to 100</li> <li>Use the &lt;, &gt; and = signs</li> </ul>
<b>Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>Add and subtract 1-digit and 2-digit numbers up to 20 including 0</li> <li>Solve 1 step problems that involve addition and subtraction using objects and pictorial representations including missing number problems</li> </ul>	<ul style="list-style-type: none"> <li>Add and subtract 2-digit numbers using objects, pictorial representations and mentally</li> <li>Show that addition of 2 numbers can be done in any order and subtraction of 1 number from another cannot</li> <li>Solve problems with addition and subtraction using concrete, pictorial and abstract representations</li> <li>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul>
<b>Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>Solve 1 step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays</li> </ul>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 2, 5 and 10 times tables including recognising odd and even numbers</li> <li>Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods and known facts including problems</li> </ul>
<b>Recognizing Fractions</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 4 equal parts of an object, shape or quantity</li> </ul>	<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>, <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> <li>Write simple fractions; <math>\frac{1}{2}</math> of 6=3 and recognise the equivalence between <math>\frac{1}{2}</math> and <math>\frac{2}{4}</math></li> </ul>
<b>Measure</b>	<ul style="list-style-type: none"> <li>Compare, describe and solve practical problems for length/height, weight/mass, capacity/volume and time</li> </ul>	<ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure length/height (m/cm) mass (kg/g) temperature (<math>^{\circ}\text{C}</math>) capacity (l/ml) to the nearest unit, using rulers, scales, thermometers and measuring wheels</li> <li>Compare and order lengths, mass, volume/capacity and record the results using &lt;, &gt; and =</li> </ul>

<b>Money</b>	<ul style="list-style-type: none"> <li>Recognise and know the value of different denominations of coins and notes</li> </ul>	<ul style="list-style-type: none"> <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>
<b>Time</b>	<ul style="list-style-type: none"> <li>Sequence events in chronological order using correct terms; recognise and use language relating to dates, including days of the weeks, months and years</li> <li>Tell the time to the hour and half past; draw the hands on a clock face to show these times</li> </ul>	<ul style="list-style-type: none"> <li>Compare and sequence intervals of time</li> <li>Tell and write the time to 5 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>
<b>Shape</b>	<ul style="list-style-type: none"> <li>Recognise and name common 2d shapes (e.g. square, circle and triangle)</li> <li>Recognise and name common 3d shapes (e.g. cube, cuboid, pyramid and sphere)</li> </ul>	<ul style="list-style-type: none"> <li>Identify and describe the properties of 2d shapes including the number of sides and line of symmetry</li> <li>Compare and sort common 2d and 3d shapes and everyday objects</li> <li>Identify and describe the properties of 3d shapes including the number of edges, vertices and faces</li> <li>Identify 2d shapes on the faces of 3d shapes</li> </ul>
<b>Position &amp; Direction</b>	<ul style="list-style-type: none"> <li>Describe position, direction and movement including whole and half, quarter and three-quarter turns</li> </ul>	<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 <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, and <math>\frac{3}{4}</math> turns</li> </ul>
<b>Interpreting Data</b>		<ul style="list-style-type: none"> <li>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>Ask and answer questions by counting the number of objects in each category and sorting the categories by total/quantity</li> <li>Ask and answer questions about totalling and comparing data</li> </ul>