

# Year 2 Maths Curriculum Medium Term Plan (Learning Objectives)- Summer Term 2015

Whole School Theme: <b>The World Around Us</b> / Year Group Theme: <b>Wondrous Worlds</b>						
Values	Thankfulness/Friendship					
Learning Skills	-Curiosity -Communication -Teamwork -Determination -Confidence -Independence -Focus -Aspiration					
Curriculum Drivers	<b>Knowledge of the world</b> - Who am I? What is my locality? How do I fit in with the wider world? <b>Possibilities</b> - How can I 'Be the Best I can Be?' How can I make the most of my opportunities? <b>Community</b> - How can I take responsibility for my school and local community? How does my community compare with others? How can I help others?					
Blocked Learning	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; vertical-align: top;"> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Measurement (money)</u></b></p> <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> <p style="text-align: right;"><b>(4 weeks)</b></p> </td> <td style="width: 25%; vertical-align: top;"> <p><b><u>Measurement (Time)</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(2 weeks)</b></p> </td> <td style="width: 25%; vertical-align: top;"> <p><b><u>Geometry</u></b> <b><u>(Position and Direction)</u></b></p> <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 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 style="text-align: right;"><b>(1 week)</b></p> </td> <td style="width: 25%; vertical-align: top;"> <p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>recognise, find, name and write fractions <math>\frac{1}{2}</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 style="text-align: right;"><b>(2 weeks)</b></p> </td> </tr> <tr> <td style="vertical-align: top;"> <p><b><u>Number and Place Value</u></b></p> <ul style="list-style-type: none"> <li>use place value and number facts to solve problems.</li> </ul> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(5 weeks)</b></p> </td> </tr> </table>	<p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Measurement (money)</u></b></p> <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> <p style="text-align: right;"><b>(4 weeks)</b></p>	<p><b><u>Measurement (Time)</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(2 weeks)</b></p>	<p><b><u>Geometry</u></b> <b><u>(Position and Direction)</u></b></p> <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 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 style="text-align: right;"><b>(1 week)</b></p>	<p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>recognise, find, name and write fractions <math>\frac{1}{2}</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 style="text-align: right;"><b>(2 weeks)</b></p>	<p><b><u>Number and Place Value</u></b></p> <ul style="list-style-type: none"> <li>use place value and number facts to solve problems.</li> </ul> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(5 weeks)</b></p>
	<p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Measurement (money)</u></b></p> <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> <p style="text-align: right;"><b>(4 weeks)</b></p>	<p><b><u>Measurement (Time)</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(2 weeks)</b></p>	<p><b><u>Geometry</u></b> <b><u>(Position and Direction)</u></b></p> <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 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 style="text-align: right;"><b>(1 week)</b></p>	<p><b><u>Fractions</u></b></p> <ul style="list-style-type: none"> <li>recognise, find, name and write fractions <math>\frac{1}{2}</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 style="text-align: right;"><b>(2 weeks)</b></p>		
<p><b><u>Number and Place Value</u></b></p> <ul style="list-style-type: none"> <li>use place value and number facts to solve problems.</li> </ul> <p><b><u>Addition and Subtraction</u></b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:               <ul style="list-style-type: none"> <li>two two-digit numbers</li> <li>adding three one-digit numbers</li> </ul> </li> <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 method</li> </ul> </li> </ul> <p><b><u>Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <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 style="text-align: right;"><b>(5 weeks)</b></p>						
Ongoing	<p><b><u>Multiplication and Division</u></b></p> <p>-recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</p> <p>-solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p><b><u>Addition and Subtraction</u></b></p> <p>-recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p>					
	<p><b><u>Measurement (money)</u></b></p> <p>-recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p>-find different combinations of coins that equal the same amounts of money</p> <p>-solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p> <p><b><u>Multiplication and Division</u></b></p> <p>-recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</p> <p>-solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p>					