



YEAR 2: Maths 2016-2017

<h3>Number and Place Value</h3> <p>Pupils should be taught to:</p>	<h3>Number- Addition and Subtraction</h3> <p>Pupils should be taught to:</p>
<ul style="list-style-type: none">• Count on steps of 2,3 and 5 from 0 and in tens from any number, forward and backward• Recognise the place value of each digit in a two-digit number (tens, ones)• Identify, represent and estimate numbers using different representations, including the number line• Compare and order numbers from 0-100 in numerals and words• Use place value and number facts to solve problems	<p>Solve problems with addition and subtraction:</p> <ul style="list-style-type: none">• Using concrete objects and pictorial representations, including those involving numbers, quantities and measures• Applying their knowledge of mental and written methods <p>Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.</p> <p>Add and subtract numbers using concrete objects, pictorial representations and mentally, including:</p> <ul style="list-style-type: none">• A two-digit number and ones• A two-digit number and tens• Two two-digit numbers• Adding 3 one-digit numbers <p>Show that addition of 2 numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>
<h3>Number-Multiplication and Division</h3> <p>Pupils should be taught to:</p>	<h3>Number-Fractions</h3> <p>Pupils should be taught to:</p>
<ul style="list-style-type: none">• Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the correct signs• Show that multiplication of 2 numbers can be done in any order and division cannot• Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts including problems in contexts.	<ul style="list-style-type: none">• Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{2}{2}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity• Write simple fractions for example $\frac{1}{2}$ of $6=3$ and the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$



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Measurement

Pupils should be taught to:

<p>Compare, describe and solve practical problems : Involving addition and subtraction of money of the same unit-giving change.</p> <p>Compare and order lengths, mass, volume/ capacity and record the results using > and < and =</p>	<p>Measure and begin to record the following: Choose and use the 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.</p>	<p>Money: Recognise and use symbols for pounds, pence and combine amounts to make a particular value.</p> <p>Find different combinations of coins that equal the same amount of money</p>	<p>Sequence events in chronological order: Compare and sequence intervals of time</p>	<p>Time: Tell the time to 5 minutes including quarter to/past the hour and draw the hands on a clock face to show these times.</p> <p>Know the number of minutes in an hour and hours in the day.</p>	<p>Geometry- Properties of Shapes: Identify and describe the properties of 2D shapes including the number of sides and line symmetry in a vertical line</p> <p>Identify and describe the properties of 3D shapes including the number of edges, vertices and faces Identify 2D shapes on the surface of 3D shapes Compare and sort common 2D and 3D shapes and everyday objects</p>	<p>Geometry -Position and Direction: Order and arrange combinations of mathematical objects in patterns and sequence. 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)</p> <hr/> <p>Statistics Interpret and construct simple pictograms, tally charts and tables and block diagrams. Ask and answer simple questions by counting the number of objects in each category and sorting categories by quantities. Ask and answer questions about totalling and comparing categorical data.</p>
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Number Focus					
<p>Autumn1</p> <ul style="list-style-type: none"> Sequences and place value Number facts and counting Sequences and fractions 	<p>Autumn 2</p> <ul style="list-style-type: none"> Doubling, halving, addition and subtraction Addition and subtraction Addition and Subtraction Addition 	<p>Spring 1</p> <ul style="list-style-type: none"> Number and Place Value Addition and Subtraction Addition and Subtraction Multiplication and division Number and fractions 	<p>Spring 2</p> <ul style="list-style-type: none"> Addition and Subtraction Multiplication and division Addition and Subtraction 	<p>Summer 1</p> <ul style="list-style-type: none"> Sequences and Fractions Addition and Subtraction Multiplication and Division Subtraction and Money Place Value 	<p>Summer 2</p> <ul style="list-style-type: none"> Addition and Subtraction Addition and Subtraction and Money Multiplication and Division
Measures Focus					
<p>Autumn1</p> <ul style="list-style-type: none"> Money and Time Length, position and direction Money, addition and subtraction 	<p>Autumn 2</p> <ul style="list-style-type: none"> 2D Shape and data 	<p>Spring 1</p> <ul style="list-style-type: none"> Weight and time 	<p>Spring 2</p> <ul style="list-style-type: none"> Capacity and data Money, addition and subtraction 	<p>Summer 1</p> <ul style="list-style-type: none"> 3D Shape and Time 	<p>Summer 2</p> <ul style="list-style-type: none"> Time and data Fractions and Time