

Term	Strand	National Curriculum 2014 Objectives	Focus	Sequence
Autumn 1	Addition and Subtraction	<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>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one digit numbers</li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> <li>solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</li> </ul>	<b>Addition and Subtraction - 2 and 3 digit numbers</b>	<ul style="list-style-type: none"> <li>Simple Adding</li> <li>Adding with Regrouping</li> <li>Simple Subtracting</li> <li>Subtracting with Regrouping</li> <li>Addition of Three Numbers</li> <li>Addition and subtraction word problems</li> <li>Number bonds</li> <li>Fact families</li> </ul>
Autumn 2	Multiplication and division	<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>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> <li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</li> </ul>	<b>Multiplication of 2, 5 and 10</b>	<ul style="list-style-type: none"> <li>Multiplication As Equal Groups</li> <li>2 Times Table</li> <li>10 Times Table</li> <li>5 Times Table</li> <li>Multiplying by 2, 5 and 10</li> <li>Solving Word Problems</li> <li>Fact families</li> </ul>
	Multiplication and division	<ul style="list-style-type: none"> <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>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> <li>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> </ul>	<b>Multiplication and division of 2, 5 and 10</b>	<ul style="list-style-type: none"> <li>Grouping</li> <li>Sharing</li> <li>Dividing by 2</li> <li>Dividing by 10</li> <li>Dividing by 5</li> <li>Multiplication and Division</li> <li>Solving Word Problems</li> <li>Odd and Even Numbers</li> <li>Fact families</li> </ul>

<b>Spring 1</b>	<b>Addition, Subtraction, multiplication and division</b>	<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>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one digit numbers</li> <li>solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods</li> </ul>	<b>Exploring Calculation strategies</b>	<ul style="list-style-type: none"> <li>Number bonds to 20 and 100</li> <li>Mental strategies</li> <li>Solving problems</li> <li>Fact families</li> </ul>
	<b>Measurement</b>	<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>Money</b>	<ul style="list-style-type: none"> <li>Writing Amounts of Money</li> <li>Counting Money</li> <li>Showing Equal Amounts of Money</li> <li>Exchanging Money</li> <li>Comparing Amounts of Money</li> <li>Calculating Total Amount</li> <li>Calculating Change</li> </ul>
<b>Spring 2</b>	<b>Measurement</b>	<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 and scales</li> <li>compare and order length and record the results using &gt;, &lt; and =</li> </ul>	<b>Length</b>	<ul style="list-style-type: none"> <li>Measuring Length in Metres</li> <li>Measuring Length in Centimetres</li> <li>Comparing Length in Metres</li> <li>Comparing Length in Centimetres</li> <li>Comparing the Length of Lines</li> <li>Solving Word Problems</li> </ul>
	<b>Measurement</b>	<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> </ul>	<b>Mass</b>	<ul style="list-style-type: none"> <li>Measuring Mass in Kilograms</li> <li>Measuring Mass in Grams</li> <li>Comparing Masses of Two Objects</li> <li>Comparing the Mass of Three Objects</li> <li>Solving Word Problems</li> </ul>
	<b>Fractions</b>	<ul style="list-style-type: none"> <li>recognise, find, name and write fractions half, quarter, two quarters, three quarters of a length, shape, set of objects or quantity</li> <li>write simple fractions for example, half of 6 = 3 and recognise the equivalence of two quarters and a half</li> </ul>	<b>Fractions</b>	<ul style="list-style-type: none"> <li>Making Equal Parts</li> <li>Showing Half and Quarter</li> <li>Showing Quarters</li> <li>Showing Thirds</li> <li>Naming Fractions</li> <li>Making Equal Fractions</li> <li>Comparing and Ordering Fractions</li> </ul>

				<ul style="list-style-type: none"> <li>Counting Wholes and Parts</li> <li>Counting in Halves</li> <li>Counting in Quarters</li> <li>Counting in Thirds</li> <li>Finding Part of a Set</li> <li>Finding Part of a Quantity</li> </ul>
<b>Summer 1</b>	<b>Measurement</b>	<ul style="list-style-type: none"> <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> <li>compare and sequence intervals of time</li> </ul>	<b>Time</b>	<ul style="list-style-type: none"> <li>Telling and Writing Time to 5 Minutes</li> <li>Telling and Writing Time</li> <li>Sequencing Events</li> <li>Drawing Clock Hands</li> <li>Finding Durations of Time</li> <li>Finding Ending Times</li> <li>Comparing Time</li> </ul>
	<b>Measurement</b>	<ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure capacity (litres/ml) and temperature (°C) to the nearest appropriate unit, using scales, thermometers and measuring vessels</li> <li>compare and order volume and capacity and record the results using &gt;, &lt; and =</li> </ul>	<b>Capacity and Volume</b>	<ul style="list-style-type: none"> <li>Comparing Volume</li> <li>Measuring Volume in Litres</li> <li>Measuring Volume in Millilitres</li> <li>Solving Word Problems</li> </ul>
	<b>Measurement</b>	<ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure capacity (litres/ml) and temperature (°C) to the nearest appropriate unit, using scales, thermometers and measuring vessels</li> </ul>	<b>Temperature</b>	<ul style="list-style-type: none"> <li>Reading temperature</li> <li>Estimating temperature</li> </ul>
<b>Summer 2</b>	<b>Geometry – Properties of shape</b>	<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> <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 anticlockwise)</li> </ul>	<b>Two-dimensional shapes</b>	<ul style="list-style-type: none"> <li>Identifying Sides</li> <li>Identifying Vertices</li> <li>Identifying Lines of Symmetry</li> <li>Making Figures</li> <li>Sorting Shapes</li> <li>Drawing Shapes</li> <li>Making Patterns</li> <li>Describing Patterns</li> <li>Moving Shapes</li> <li>Turning Shapes</li> </ul>
	<b>Geometry – Properties of shape</b>	<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> </ul>	<b>Three-dimensional shapes</b>	<ul style="list-style-type: none"> <li>Recognising Three-Dimensional Shapes</li> <li>Describing Three-Dimensional Shapes</li> <li>Describing Three-Dimensional Shapes</li> <li>Grouping Three-Dimensional Shapes</li> </ul>

		<ul style="list-style-type: none"> <li>compare and sort common 2-D and 3-D shapes and everyday objects</li> <li>order and arrange combinations of mathematical objects in patterns and sequences</li> </ul>		<ul style="list-style-type: none"> <li>Forming Three-Dimensional Structures</li> </ul>
	<b>Geometry – Position and Direction</b>	<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 anticlockwise)</li> </ul>	<b>Position and direction</b>	<ul style="list-style-type: none"> <li>Describing position and direction</li> </ul>
	<b>Statistics</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 simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>ask and answer questions about totalling and comparing categorical data</li> </ul>	<b>Graphs</b>	<ul style="list-style-type: none"> <li>Interpreting Simple Graphs</li> <li>Constructing Simple Graphs</li> <li>Solving Problems</li> </ul>