

Autumn	1	2	3	4	5	6	7	8	9	10	11	12	
Year 1	<b>Number: Place Value (within 10)</b> Count, read and write numbers to 10 in numerals and words.				<b>Number: Addition and Subtraction (within 10)</b>  Represent and use number bonds and related subtraction facts within 10 Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.				<b>Geometry: Shape</b> Recognise and name common 2-D and 3-D shapes.	<b>Number: Place Value (within 20)</b> Count to twenty, forwards and backwards, beginning with 0 or 1, from any given number.  Count, read and write numbers to 20 in numerals and words.		Consolidation	
Year 2	<b>Number: Place Value</b>				<b>Number: Addition and Subtraction</b>  Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. 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. 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.				<b>Number: multiplication and Division</b> Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.		<b>Problem Solving and Efficient Methods</b> (This will be a 2week unit from Sept 2018)		Consolidation
Year 3	<b>Number: Place Value</b>  Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).				<b>Number: Addition and Subtraction</b>  Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.				<b>Number: multiplication and Division</b>  Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives.		Consolidation		

Year 4	<p><b>Number: Place Value</b></p> <p>Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)</p>	<p><b>Number: Addition and Subtraction</b></p> <p>Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p>	<p><b>Number: multiplication and Division</b></p> <p>Recall and use multiplication and division facts for multiplication tables up to <math>12 \times 12</math>. Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.</p>	<p><b>Measurement: Length and Perimeter</b></p> <p>Convert between different units of measure [for example, kilometre to metre]</p>	Consolidation
Year 5	<p><b>Number: Place Value</b></p> <p>Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.</p>	<p><b>Number: Addition and Subtraction</b></p> <p>Add and subtract numbers mentally with increasingly large numbers. Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>	<p><b>Number: multiplication and Division</b></p>	<p><b>Geometry: Properties of Shapes</b></p> <p>Identify: angles at a point and one whole turn (total <math>360^\circ</math>), angles at a point on a straight line and <math>\frac{1}{2}</math> a turn (total <math>180^\circ</math>) other multiples of <math>90</math></p>	Consolidation

Year 6	<b>Number: Place Value</b> Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.	<b>Number: Addition, Subtraction, Multiplication and Division</b> Solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why. Perform mental calculations, including with mixed operations and large numbers. Solve problems involving addition, subtraction, multiplication and division.	<b>Geometry: Position and Direction</b> Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	<b>Measurement: Perimeter, Area and Volume</b>	Algebra Use simple formulae.	Consolidation
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Spring	1	2	3	4	5	6	7	8	9	10	11	12
Year 1	<b>Number: Addition and Subtraction (within 20)</b> Represent and use number bonds and related subtraction facts within 20 Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.				<b>Number: Place Value (within 50) (Multiples of 2, 5 and 10 to be included)</b> Begin to recognise the place value of numbers beyond 20 (tens and ones). Count in multiples of 2s, 5s and 10s.			<b>Measurement Weight and volume</b>	<b>Measurement: Length and Height</b>		Consolidation	

<p>Year 2</p>	<p><b>Number: Multiplication and Division</b> Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. 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>Statistics</b> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.  Ask and answer questions about totalling and comparing categorical data.</p>	<p><b>Geometry: Properties of Shape</b> Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.  Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.</p>	<p><b>Number: Fractions</b> Recognise, find, name and write fractions <math>\frac{1}{2}</math>, <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.</p>	<p><b>Measurement: Length and Height</b></p>	<p>Consolidation</p>
<p>Year 3</p>	<p><b>Number: Multiplication and Division</b>  Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objectives.</p>	<p><b>Statistics</b> Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.</p>	<p><b>Geometry: Properties of Shapes</b> Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. Draw 2-D shapes and make 3-D shapes using modelling materials. Recognise 3-D shapes in different orientations and describe them.</p>	<p><b>Number: Fractions</b></p>	<p><b>Measurement: Length and Perimeter</b></p>	

Year 4	<b>Number: Multiplication and Division</b>  Recall and use multiplication and division facts for multiplication tables up to $12 \times 12$ . Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.		<b>Statistics</b>  Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	<b>Geometry: Properties of Shape</b>  Identify acute and obtuse angles and compare and order angles up to two right angles by size.	<b>Fractions</b>  Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.  Add and subtract fractions with the same denominator.		Consolidation					
Year 5	<b>Number: Multiplication and Division</b>  Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.		<b>Statistics</b>  Complete, read and interpret information in tables including timetables.	<b>Fractions</b>  Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths Add and subtract fractions with the same denominator and denominators that are multiples of the same number.		Consolidation						
Year 6	<b>Number: Decimals</b>	<b>Measurement: Converting Units</b> Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.	<b>Statistics</b> <ul style="list-style-type: none"> <li>Solve comparison, sum and difference problems using information presented in all types of graph.</li> </ul>	<b>Fractions</b>		<b>Number: Ratio</b>	Consolidation					
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Year 1	<p><b>Number: Multiplication and Division</b> (Reinforce multiples of 2, 5 and 10 to be reinforced) Count in multiples of twos, fives and tens.</p> <p>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.</p>	<p><b>Measurement: Money</b> Recognise and know the value of different denominations of coins and notes.</p>	<p><b>Measurement: Time</b> Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</p>	<p><b>Number: Place Value (within 100)</b> Count, read and write numbers to 100 in numerals.</p>	<p><b>Geometry: Position and Direction</b> Describe position, direction and movement, including whole, half, quarter and three quarter turns</p>	<p><b>Number: Fractions</b> Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</p>	Consolidation
Year 2	<p>Measurement: Mass, Capacity and Temperature</p>	<p><b>Measurement: Money</b> Find different combinations of coins that equal the same amounts of money.</p>	<p><b>Measurement: Time</b> 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.</p>		<p><b>Geometry: Position and Direction</b> 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>	Investigations	Consolidation
Year 3	<p><b>Number: Fractions</b> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p>	<p><b>Measurement: Money</b> Add and subtract amounts of money to give change, using both £ and p in practical contexts.</p>	<p><b>Measurement: Time</b> Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.</p>		<p><b>Measurement: Mass and Capacity</b> Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)</p>	Consolidation	

Year 4	<p style="text-align: center;"><b>Decimals</b></p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths. Solve simple measure and money problems involving fractions and decimals to two decimal places. Convert between different units of measure [for example, kilometre to metre]</p>	<p style="text-align: center;"><b>Measurement: Money</b></p>	<p style="text-align: center;"><b>Measurement: Area</b></p>	<p style="text-align: center;"><b>Measurement: Time</b></p>	<p style="text-align: center;"><b>Decimals</b></p> <p>Recognise and write decimal equivalents to <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, <math>\frac{3}{4}</math>.</p>	<p style="text-align: center;"><b>Geometry: Position and Direction</b></p> <p>Describe positions on a 2-D grid as coordinates in the first quadrant. Plot specified points and draw sides to complete a given polygon.</p>	Consolidation
Year 5	<p style="text-align: center;"><b>Number: Decimals and Percentages</b></p>	<p style="text-align: center;"><b>Measurement: Volume</b></p> <p>Use all four operations to solve problems involving measure</p>	<p style="text-align: center;"><b>Measurement: Converting Units</b></p> <p>Solve problems involving converting between units of time.</p>	<p style="text-align: center;"><b>Number: Decimals</b></p>		<p style="text-align: center;"><b>Geometry: Position and Direction</b></p> <p>Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.</p>	<p style="text-align: center;"><b>Measurement: Perimeter and Area</b></p>
Year 6	<p style="text-align: center;"><b>Number: percentages</b></p>	<p style="text-align: center;"><b>Geometry: Properties of Shape</b> Find unknown angles in any triangles, quadrilaterals and regular polygons.</p>	Problem Solving		Investigations		Consolidation