

Term by Term Objectives

Year 1/2

Year Group	Y1/2	Term	Summer
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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
<p>Measurement: weight and volume</p> <p>Compare, describe and solve practical problems for mass/weight (for example, heavy/light, heavier than, lighter than); capacity and volume (for example, full/empty, more than, less than, half, half full, quarter)</p> <p>Measure and begin to record mass/weight, capacity and volume.</p> <p>Measurement: Capacity, volume, mass and temperature</p> <p>Choose and use appropriate standard units to estimate and measure capacity (litres/ml, mass (kg/g) and temperature (°C) to the nearest appropriate unit, using thermometers, scales and measuring vessels.</p> <p>Compare and order volume/capacity/mass and record the results using $>$, $<$ and $=$.</p>	<p>Number: Place Value</p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count, read and write numbers from 1-100 in numerals and words.</p> <p>Given a number, identify one more and one less.</p>	<p>Geometry: properties of shape, 3D shapes</p> <p>Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.</p> <p>Identify 2D shapes on the surface of 3D shapes, (for example, a circle on a cylinder and a triangle on a pyramid.)</p> <p>Compare and sort common 3D shapes and everyday objects.</p> <p>Order and arrange combinations of mathematical objects in patterns and sequences.</p>	<p>Number: Four operations</p> <p>Represent and use number bonds and related subtraction facts within 20.</p> <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 one digit and two digit numbers to 20, including zero.</p> <p>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.</p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-), multiplication (x) and division (÷) and equals (=) signs.</p> <p>Show that the addition of two 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> <p>Solve one step problems that involve the four operations, using concrete objects and pictorial representations, and missing number problems.</p> <p>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.</p>	<p>Count in multiples of twos, fives and tens</p> <p>Recall and use multiplication and division facts for the 2, 5 and 10 times 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>	<h2>Assessment</h2>			<p>Number: Place Value</p> <p>Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</p> <p>Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.</p> <p>Count, read and write numbers from 1-100 in numerals and words.</p> <p>Recognise the place value of each digit in a two digit number (tens, ones)</p> <p>Read and write numbers to at least 100 in numerals and words.</p>	<p>Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least.</p> <p>Identify, represent and estimate numbers to at least 100 using different representations including the number line.</p> <p>Given a number, identify one more and one less.</p> <p>Compare and order numbers from 0 up to at least 100; use $<$, $>$ and $=$ signs.</p> <p>Use place value and number facts to solve problems.</p>	<p>Project work: Problem-solving; using and applying. [Year 1 and 2]</p>		

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Term by Term Objectives

Year 3/4

Year Group	Y3/4	Term	Summer
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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p>Measures - Length Measure, compare, add and subtract: lengths (m/cm/mm). Measure the perimeter of simple 2D shapes. Measure and calculate the perimeter of a rectangular figure (including squares) in centimetres and metres</p>		<p>Time Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks. Read, write & convert time between analogue and digital 12 and 14 hour clocks. Estimate and read time with increasing accuracy to the nearest minute. Record and compare time in terms of seconds, minutes and hours. Convert between different units of measure eg hour to minute.</p>		<p>Geometry Recognise angles as a property of shape or a description of a turn. 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. Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p>		<p>Measures: volume and capacity (Y3) Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml). Co-ordinates (Y4) Describe positions on a 2D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit to the left/ right and up/down. Plot specified points and draw sides to complete a given polygon.</p>		<p>Statistics Interpret and present data using bar charts, pictograms and tables. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. 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. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>			
<p>Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units. Convert between different units of measure eg kilometre to metre.</p>		<p>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events (for example to calculate the time taken by particular events or tasks). Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>		<p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. Identify lines of symmetry in 2D shapes presented in different orientations. Complete an simple symmetric figure with respect to a specific line of symmetry. Draw 2-D shapes Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Make 3-D shapes using modelling materials. Recognise 3-D shapes in different orientations and describe them</p>		<p>Statistics Interpret and present data using bar charts, pictograms and tables. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. 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. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p>					

Term by Term Objectives

Year 5 / 6

Year	5 and 6	Term	Summer
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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
<p>Converting units Convert between different units of metric measure (, km and m; cm and m; cm and mm; g and kg; l and ml) Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation up to 3dp.</p>	<p>Area and Perimeter Measure and calculate the perimeter of composite rectilinear shapes in cm and m. Calculate the area of parallelograms and triangles.</p>	<p>Volume Estimate volume (for example using 1cm³ blocks to build cuboids (including cubes)) and capacity (for example, using water) Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm³, m³ and extending to other units (mm³, km³)</p>	<p>Measures Revisit and consolidate Y5 measure objectives</p>	<p>Y6 SATS</p>	<p>Year 5 Fractions, Decimals & Percentages Revisit & consolidate</p>			<p>Year 5 Number – Addition, Subtraction, Multiplication & Division Revisit & consolidate</p>			
<p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Convert between miles and kilometres.</p>	<p>Calculate and compare the area of rectangles (including squares), and including using standard units, cm², m² estimate the area of irregular shapes. Recognise that shapes with the same areas can have different perimeters and vice versa.</p>	<p>Use all four operations to solve problems involving measure Recognise when it is possible to use formulae for area and volume of shapes.</p>	<p>Year 6- Revisit and consolidate</p>								<p>Year 6- Revisit and consolidate</p>
<p>Solve problems involving converting between units of time Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.</p>											