

Year 2

Mastery Overview Term by Term



In conjunction with....



Based on Materials from...



Year 2 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place value		Number: Addition and Subtraction			Measurement: Length, Mass and Money (including calculations)			Multiplication and Division			
Spring	Number: Fractions		Statistics	Number- Four Operations			Measurement: Time	Geometry- Shape	Geometry- Position and Direction			
Summer	Number: Fractions		Number: Four Operations		Measurement:- Length, Capacity, Volume and Mass.		Pre- Assessment Gap Filling.		End of Year 2 Project and Gap Filling.			



Objectives to cover throughout teaching:-

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.

Read and write numbers to at least 100 in numerals and words.

Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.



Year group	2	Term	Autumn
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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><u>Number – place value</u> Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.</p> <p>Recognise the place value of each digit in a two digit number (tens, ones)</p> <p>Identify, represent and estimate numbers to 100 using different representations including the number line.</p> <p>Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs.</p> <p>Read and write numbers to at least 100 in numerals and words.</p> <p>Use place value and number facts to solve problems.</p>		<p><u>Number – addition and subtraction</u> Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</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>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>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve 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><u>Measurement: length, mass and money.</u> Recognise and use symbols of 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>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) and mass (kg/g) to the nearest appropriate unit, using rulers and scales.</p> <p>Compare and order length and mass and record the results using $>$, $<$ and $=$.</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><u>Multiplication and Division</u> Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals ($=$) sign.</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>Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p>					



Year group	2	Term	Spring
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Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<p><u>Number- Fractions</u></p> <p>Recognize, find, name and write fractions.</p> <p>$\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ and a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, $\frac{1}{2}$ of 6 = 3</p> <p>Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$.</p>			<p><u>Statistics</u></p> <p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p>Ask+ answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p>Ask and answer questions about totalling and comparing categorical data</p>	<p><u>Number- Four Operations</u></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>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>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.</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><u>Measurement: Time</u></p> <p>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>Know the number of minutes in an hour and the number of hours in a day.</p> <p>Compare and sequence intervals of time.</p>	<p><u>Geometry: Shape</u></p> <p>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.</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 2D and 3D shapes and everyday objects.</p>	<p><u>Geometry: Position and Direction.</u></p> <p>Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p>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>



Term by Term Objectives

Year 2

Year group	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><u>Number – fractions</u></p> <p>Recognise, find, name and write fractions $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{3}$ and $\frac{2}{4}$ $\frac{3}{4}$ of a length, shape, set of objects or quantity.</p> <p>Write simple fractions for example, $\frac{1}{2}$ of 6 = 3</p> <p>Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p>		<p><u>Number – four operations.</u></p> <p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p> <p>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (\div) and equals (=) sign.</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>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><u>Measures- including temperature and money (calculation and number sense focus)</u></p> <p>Compare and order measures and record the results using >, < and =.</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>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p> <p>Choose and use appropriate standard units to estimate and measure capacity (litres/ml), length, mass and temperature ($^{\circ}\text{C}$) to the nearest appropriate unit, using thermometers and measuring vessels.</p>		<p>Pre Assessment Data Submission Gap Filling.</p>		<p>End of Year 2 Project and Gap Filling.</p>			

