

Year 4

Mastery Overview Term by Term



In conjunction with....



Based on Materials from...



Year 4 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			Number- Multiplication and Division				Measurement- Area and Perimeter	
Spring	Number- Place value and decimals.			Number- Multiplication and Division		Number - Fractions (and decimal equivalence)			Geometry - Angles	Measurement- Money and four operations.		
Summer	Number- Four Operations		Geometry- Shape and Symmetry		Statistics		Number - Fractions (and decimal equivalence)		Geometry- Position and Direction	Measur- Time	Consolidation.	



Term by Term Objectives

Year 4

Objectives to cover throughout the units:-

Identify, represent and estimate numbers using different representations.

Estimate and use inverse operations to check answers to a calculation.



Term by Term Objectives

Year 4

Year group	4	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></p> <p>Count in multiples of 6, 7, 9, 25 and 1000.</p> <p>Find 1000 more or less than a given number.</p> <p>Recognize the place value of each digit in a four digit number (thousands, hundreds, tens and ones)</p> <p>Order and compare numbers beyond 1000.</p> <p>Count backwards through zero to include negative numbers.</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p>			<p><u>Number- addition and subtraction</u></p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p>			<p><u>Number – multiplication and division</u></p> <p>Recall and use multiplication and division facts for multiplication tables up to 12 x 12.</p> <p>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>Multiply two digit and three digit numbers by a one digit number using appropriate methods.</p> <p>Recognise and use factor pairs and commutativity in mental calculations.</p> <p>Divide two and three digit numbers by one digit using mental and written methods as appropriate.</p> <p>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><u>Measurement- Area</u></p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimeters and meters</p> <p>Find the area of rectilinear shapes by counting squares, and begin to understand the formula for the area of a rectangle.</p> <p>Convert between different units of measure [for example, kilometer to meter]</p>		



Term by Term Objectives

Year 4

Year group	4	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>Place Value and Decimals</u></p> <p><i>Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths</i></p> <p><i>Order and compare numbers beyond 1000.</i></p> <p><i>Compare numbers with the same number of decimal places up to two decimal places.</i></p> <p><i>Count up and down in hundredths.</i></p> <p><i>Round decimals with one decimal place to the nearest whole number.</i></p> <p><i>Order and compare numbers beyond 1000.</i></p> <p><i>Solve number and practical problems that involve all of the above and with increasingly large positive numbers</i></p>			<p><u>Multiplication and Division</u></p> <p><i>Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</i></p> <p><i>Divide two and three digit numbers by one digit using mental and written methods as appropriate.</i></p>		<p><u>Fractions and Decimal Equivalence.</u></p> <p><i>Recognise and show, using diagrams, families of common equivalent fractions.</i></p> <p><i>Solve problems involving increasingly harder fractions to calculate quantities.</i></p> <p><i>Solve problems involving using fractions to divide quantities, including non-unit fractions (e.g. $\frac{3}{4}$) where the answer is a whole number.</i></p> <p><i>Add and subtract fractions with the same denominator.</i></p> <p><i>Recognise and write decimal equivalents of any number of tenths or hundredths.</i></p> <p><i>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</i></p>			<p><u>Geometry- Angles</u></p> <p><i>Identify acute and obtuse angles and compare and order angles up to a straight line by size.</i></p>		<p><u>Measurement- Money</u></p> <p><i>Solve simple money problems involving fractions and decimals to two decimal places.</i></p> <p><i>Estimate, compare and calculate different measures, including money in pounds and pence.</i></p>



Term by Term Objectives

Year 4

Year group	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><u>Number- Four Operations</u></p> <p>Multiply two digit and three digit numbers by a one digit number using appropriate methods.</p> <p>Solve problems involving all four operations.</p>		<p><u>Geometry: Shape and symmetry</u></p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>Identify lines of symmetry in 2D shapes presented in different orientations.</p> <p>Complete an simple symmetric figure with respect to a specific line of symmetry.</p>		<p><u>Statistics</u></p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>		<p><u>.Number- Fractions (and Decimal Equivalence)</u></p> <p>Solve problems involving increasingly harder fractions to calculate quantities.</p> <p>Solve problems involving using fractions to divide quantities, including non-unit fractions (e.g. $\frac{3}{4}$) where the answer is a whole number.</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p>		<p><u>Geometry- Position and Direction</u></p> <p>Describe positions on a 2D grid as coordinate s in the first quadrant.</p> <p>Describe movements between positions as translation s of a given unit to the left/ right and up/ down.</p>		<p><u>Time</u></p> <p>Convert between different units of measure eg hour to minute.</p> <p>Read, write & convert time between analogue and digital 12 and 14 hour clocks.</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>		<p>Consolidation.</p>	

