

Year 4 Maths Curriculum Map 2023-2024

Timescale	7 Weeks	6 Weeks	5 Weeks	6 Weeks	6 Weeks	6 Weeks
Overall theme	Electrifying!	Did you hear that?	Remarkably Rotten Romans! Savage Saxons!		Rapid Rivers	Splash!
Mathematics	<p>Place Value Count in multiples of 6, 7, 9. 25 and 1000.</p> <p>Find 1000 more or less than a given number.</p> <p>Recognise the place value of each digit in a four-digit number.</p> <p>Order and compare numbers beyond 1000</p> <p>Identify, represent and estimate numbers</p> <p>Round any number to the nearest 10, 100 or 1000</p> <p>Solve number and practical problems that involve all of the above.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p>	<p>Number – Multiplication and Division Recall and use multiplication and division facts for multiplication tables up to 12×12.</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>Recognise and use factor pairs and commutativity in mental calculations. Multiply two digits and three digit numbers by a one-digit number using formal written layout.</p> <p>Solve problems involving multiplying and adding, including</p>	<p>Place value – Decimals and fractions Equivalence Count up and down in hundredths;</p> <p>Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>Recognise and write decimal equivalents of any number of tenths or hundredths recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p> <p>Time Estimate, compare and calculate different measures, including money in pounds and pence</p> <p>Read, write and convert time between analogue and digital clocks</p>	<p>Fractions Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities.</p> <p>Add and subtract fractions with the same denominator.</p> <p>Fractions, decimals and measure Find the effect of dividing a one or two-digit number by 10 or 100</p> <p>Convert between different units of measure</p> <p>identifying the value of the digits in the answer.</p> <p>Solve simple measure and</p>	<p>Mental and written addition and subtraction Revisit previously learnt mental methods for addition and subtraction</p> <p>Multiplication and Division Revisit previously learnt methods for multiplication and division</p> <p>Fractions Revisit previously learnt fractions including calculating and equivalences</p> <p>Measures – Capacity/Mass Convert between different units of measure</p>	<p>Place Value Count backwards through zero to include negative numbers.</p> <p>Read Roman numerals to 100.</p> <p>Statistics 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>Mental work using the 4 operations Estimate and use inverse operations to</p>

	<p>Round decimals with one decimal place to the nearest whole number</p> <p>Mental and written addition and subtraction Add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction</p> <p>Estimate and use inverse operations to check answers to a calculation.</p> <p>Solve addition and subtraction two step problems in contexts deciding which operations and methods to use and why.</p> <p>Solve addition and subtraction problems including money</p>	<p>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>Measurement – length and perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Measurement - area Find the area of rectilinear shapes by counting squares.</p>	<p>Solve problems involving converting time.</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p> <p>Shape Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size Identify lines of symmetry in 2-D shapes.</p> <p>Complete a simple symmetric figure with respect to a specific line of symmetry.</p>	<p>money problems involving fractions and decimals to two decimal places.</p> <p>Geometry – coordinates Describe positions on a 2-D grid as coordinates in the first quadrant.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>Geometry – position and direction Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p>	<p>Solve problems involving capacity and mass (Link to multiplication and division)</p>	<p>check answers to a calculation.</p> <p>Solve addition and subtraction two step problems in contexts. Solve problems involving multiplying and dividing</p> <p>Written methods using the 4 operations Add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction</p> <p>Multiply two digits and three digit numbers by a one-digit number using formal written layout.</p>
Cross Curricular Maths	<p>Science - Data handling – Electricity</p> <p>DT - measurements</p> <p>Geography – population, maps / graphs</p>	<p>Science - Data and graphs – sound</p> <p>Geography – population, maps / graphs</p>	<p>History – timelines</p> <p>DT – measuring for food etc.</p>	<p>Science – data, graphs, line graphs</p> <p>History - timelines</p>	<p>Science – measures, capacity / graphs</p> <p>Geography - statistics</p>	<p>Science - statistics</p> <p>History - timelines</p>