



## Long-Term Curriculum Map

### Year 5

#### Subject: Maths

<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
<p><b>Number Place value:</b>            Roman numerals to 1000            Numbers to 10,000            Numbers to 100,000            Numbers to 1,000,000            Read and write numbers to 1,000,000            Powers of 10            10, 100, 1000, 10,000, 100,000 more or less            Partition numbers to 1,000,000            Number line to 1,000,000            Compare and order numbers to 100,000            Compare and order numbers to 1,000,000            Round to the nearest 10, 100, 1000            Round within 100,000            Round within with 1,000,000</p> <p><b>Addition and Subtraction</b>            Mental strategies            Add whole numbers with more than four digits            Subtract whole numbers with more than four digits            Round to check answers            Inverse operations (addition and subtraction)            Multi-step addition and subtraction problems            Compare calculations            Find missing numbers</p>	<p><b><u>Multiplication and Division B</u></b>            Multiply up to a 4-digit number by a 1-digit number            Multiply a 2-digit number by a 2-digit number (area model)            Multiply a 2-digit number by a 2-digit number            Multiply a 3-digit number by a 2-digit number            Multiply a 4-digit number by a 2-digit number            Solve problems with multiplication            Short division            Divide a 4-digit number by a 1-digit number            Divide with remainders            Efficient division            Solve problems with multiplication and division</p> <p><b><u>Fractions B</u></b>            Multiply a unit fraction by an integer            Multiply a non-unit fraction by an integer            Multiply a mixed number by an integer            Calculate a fraction of a quantity            Fraction of an amount            Find the whole            Use fractions as operators</p>	<p><b><u>Shape</u></b>            Understand and use degrees            Classify angles            Estimate angles            Measure angles up to 180            Draw lines and angles accurately            Calculate angles around a point            Calculate angles on a straight line            Lengths and angles in shapes            Regular and irregular polygons            3D Shapes</p> <p><b><u>Position and Direction</u></b>            Read and plot coordinates            Problem solving with coordinates            Translation            Translation with coordinates            Lines of symmetry            Reflection in horizontal and vertical lines</p> <p><b><u>Decimals</u></b>            Use known facts to add and subtract decimals within 1            Complements to 1            Add and subtract decimals across 1            Add decimals with the same number of d.p            Subtract decimals with the same number of d.p            Add decimals with different number of d.p            Subtract decimals with different number of d.p</p>

We are **ACHIEVERS!**

We are a **COMMUNITY!**

We are **PROUD!**

We are **INCLUSIVE!**



<p><b>Multiplication and Division</b> Multiples Common multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply of 10, 100, 1000 Divide by 10, 100, 1000 Multiples of 10, 100, and 1000</p> <p><b>Fractions</b> Find fractions equivalent to a unit fraction Find fractions equivalent to a non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than 1 Order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number Add two mixed numbers Subtract fractions Subtract from a mixed number Subtract from a mixed number –breaking the whole Subtract two mixed number</p>	<p><b><u>Decimals and Percentages</u></b> Decimals up to 2 decimal places Equivalent fractions and decimals (tenths) Equivalent fractions and decimals (hundredths) Equivalent fractions and decimals Thousandths as fractions Thousandths as decimals Thousandths on a place value chart Order and compare decimals (same number of decimal places) Order and compare any decimals with up to 3 decimal places Round to the nearest whole number Round to 1 decimal place Understand percentages Percentages as fractions Percentages as decimals Equivalent fractions, decimals and percentages</p> <p><b><u>Perimeter and Area</u></b> Perimeter of rectangles Perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Estimate area</p>	<p>Efficient strategies for adding and subtracting decimals Decimal sequences Multiply by 10, 100 and 1000 Divide by 10, 100 and 1000 Multiply and divide decimals –missing values</p> <p><b><u>Negative Numbers</u></b> Understand negative numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference</p> <p><b><u>Converting Units</u></b> Kilograms and kilometres Millimetres and millilitres Convert units of lengths Convert between metric and imperial units Convert units of time Calculate with timetables</p> <p><b><u>Volume</u></b> Cubic centimetres Compare volume Estimate volume Estimate capacity</p>
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**Statistics**

Draw line graphs  
Read and interpret line graphs  
Read and interpret tables  
Two-way tables  
Read and interpret timetables