

Year 5 Mathematics Curriculum

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>Number: Place Value</u> Numbers to 10,000</p> <p>Roman Numerals to 1,000</p> <p>Round to nearest 10, 100 and 1,000</p> <p>Number to 100,000</p> <p>Compare and order numbers to 100,000</p> <p>Round numbers within 100,000</p> <p>Numbers to a million</p> <p>Counting in 10s, 100s, 1,000s, 10,000s, and 100,000s</p> <p>Compare and order numbers to one million</p> <p>Round numbers to one million</p> <p>Negative numbers</p> <p><u>Number: Addition and Subtraction</u> Add whole numbers with more than 4 digits (column method)</p> <p>Subtract whole numbers with more than 4 digits (column method)</p> <p>Round to estimate and approximate</p>	<p><u>Number: Multiplication and Division</u> Multiples Factors</p> <p>Common factors</p> <p>Prime numbers</p> <p>Square numbers</p> <p>Cube numbers</p> <p>Multiply by 10, 100 and 1,000</p> <p>Divide by 10, 100 and 1,000</p> <p>Multiples of 10, 100 and 1,000</p> <p><u>Measurement: Perimeter and Area</u> Measure perimeter</p> <p>Calculate perimeter</p> <p>Area of rectangles</p> <p>Area of compound shapes</p> <p>Area of irregular shapes</p>	<p><u>Number: Multiplication and Division</u> Multiply 4-digits by 1-digit</p> <p>Multiply 2-digits (area model)</p> <p>Multiply 2-digits by 2-digits</p> <p>Multiply 3-digits by 2-digits</p> <p>Multiply 4-digits by 2-digits</p> <p>Divide 4-digits by 1-digit</p> <p>Divide with remainders</p> <p><u>Number: Fractions</u> Equivalent fractions</p> <p>Improper fractions to mixed numbers</p> <p>Mixed numbers to improper fractions</p> <p>Number sequences</p> <p>Compare and order fractions less than 1</p> <p>Compare and order fractions greater than 1</p>	<p><u>Number: Fractions continued</u> Subtract fractions</p> <p>Subtract mixed numbers</p> <p>Subtract – breaking the whole</p> <p>Subtract 2 mixed numbers</p> <p>Multiply unit fractions by an integer</p> <p>Multiply non-unit fractions by an integer</p> <p>Multiply mixed numbers by integers</p> <p>Fraction of an amount</p> <p>Using fractions as operators</p> <p><u>Number: Decimals and Percentages</u> Decimals up to 2 d.p.</p> <p>Decimals as fractions Understand thousandths</p> <p>Thousands as decimals</p> <p>Rounding decimals</p>	<p><u>Number: Decimals</u> Adding decimals within 1</p> <p>Subtracting decimals within 1</p> <p>Complements to 1</p> <p>Adding decimals – crossing the whole</p> <p>Adding decimals with the same number of decimal places</p> <p>Subtracting decimals with the same number of decimal places</p> <p>Adding decimals with a different number of decimal places</p> <p>Subtracting decimals with a different number of decimal places</p> <p>Adding and subtracting wholes and decimals</p> <p>Decimal sequences</p> <p>Multiplying decimals by 10, 100 and 1,000</p> <p>Dividing decimals by 10, 100 and 1,000</p>	<p><u>Geometry: Position and Direction</u> Position in the first quadrant</p> <p>Reflection</p> <p>Reflection with coordinates</p> <p>Translation</p> <p>Translation with coordinates</p> <p><u>Measurement: Converting Units</u> Kilograms and kilometres</p> <p>Milligrams and millilitres</p> <p>Metric units</p> <p>Imperial units</p> <p>Converting units of time</p> <p>Timetables</p> <p><u>Measurement: Volume</u> What is volume?</p> <p>Compare volume</p> <p>Estimate volume</p> <p>Estimate capacity</p>

Year 5 Mathematics Curriculum

<p>Inverse operations (addition and subtraction)</p> <p>Multi-step addition and subtraction problems</p> <p><u>Statistics</u> Read and interpret line graphs</p> <p>Draw line graphs</p> <p>Use line graphs to solve problems</p> <p>Read and interpret tables</p> <p>Two-way tables</p> <p>Timetables</p>		<p>Add and subtract fractions</p> <p>Add fractions within 1</p> <p>Add 3 or more fractions</p> <p>Add fractions</p> <p>Add mixed numbers</p>	<p>Order and compare decimals</p> <p>Understand percentages</p> <p>Percentages as fractions and decimals</p> <p>Equivalent F.D.P</p>	<p><u>Geometry:</u> <u>Properties of Shape</u> Measuring angles in degrees</p> <p>Measuring with a protractor</p> <p>Drawing lines and angles accurately</p> <p>Calculating angles on a straight line</p> <p>Calculating angles around a point</p> <p>Calculating lengths and angles in shapes</p> <p>Regular and irregular polygons</p> <p>Reasoning about 3D shapes</p>	
---	--	--	--	---	--