

## MATHEMATICS CURRICULUM OVERVIEW – 2025/26

	YEAR 7	YEAR 8	YEAR 9	Foundation		Higher	
				YEAR 10	YEAR 11	YEAR 10	YEAR 11
<b>AUTUMN</b>	<ul style="list-style-type: none"> <li>Place value</li> <li>Addition and subtraction</li> <li>Perimeter of 2D shapes</li> <li>Multiplication and division</li> <li>Area of 2D shapes</li> <li>Averages and spread</li> <li>Problem solving skills</li> </ul>	<ul style="list-style-type: none"> <li>Core number recall.</li> <li>Multiplying and dividing with fractions</li> <li>Calculating fractions of amounts</li> <li>Increasing/decreasing by percentages.</li> <li>Percentage change, interest</li> <li>Probability</li> </ul>	<ul style="list-style-type: none"> <li>Core number recall.</li> <li>Direct and inverse proportion, best buys, and exchange rates</li> <li>Compound measures</li> <li>Pie charts</li> <li>Bisectors, constructions, and loci</li> <li>Scale drawings</li> <li>Indices, standard form, and surds</li> </ul>	<ul style="list-style-type: none"> <li>Place value</li> <li>Four operations</li> <li>Factors and multiples</li> <li>Rounding and estimation</li> <li>Algebraic notation</li> <li>Expanding and factorising</li> <li>Probability from diagrams</li> <li>Averages</li> <li>Direct and inverse proportion</li> <li>Angle rules</li> <li>Percentages</li> <li>Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Sequences</li> <li>Rearranging formulae</li> <li>Plotting straight line graphs</li> <li>Equations of straight lines</li> <li>Scatter graphs</li> <li>Frequency diagrams</li> <li>Real life graphs</li> <li>Averages</li> <li>Direct and inverse proportion</li> <li>Venn diagrams and set notation.</li> </ul>	<ul style="list-style-type: none"> <li>Four operations</li> <li>Factors and multiples</li> <li>Rounding and estimation</li> <li>Algebraic notation</li> <li>Expanding and factorising</li> <li>Probability from diagrams</li> <li>Angle rules</li> <li>Percentages</li> <li>Fractions</li> <li>Substitution</li> <li>Rearranging formulae</li> </ul>	<ul style="list-style-type: none"> <li>Probability trees</li> <li>Venn diagrams and set notation.</li> <li>Recurring decimals</li> <li>Product rule for counting</li> <li>Pythagoras' theorem</li> <li>Basic and further trigonometry</li> <li>Scatter graphs</li> <li>Cumulative frequency graphs and box plots</li> <li>Bearings</li> <li>Vectors</li> <li>Graph transformations</li> </ul>
<b>SPRING</b>	<ul style="list-style-type: none"> <li>Sequences</li> <li>Algebraic notation</li> <li>Forming expressions</li> <li>Substitution</li> <li>Solving linear equations</li> <li>Types of data</li> <li>Tally charts and two-way tables.</li> <li>Bar charts, pictograms, and line graphs</li> <li>Properties of 2D shapes</li> <li>Measuring and drawing angles</li> <li>Key angle rules</li> <li>Angle sums for 2D shapes</li> </ul>	<ul style="list-style-type: none"> <li>Substitution</li> <li>Solving linear equations</li> <li>Rearranging basic formulae</li> <li>Solving and working with inequalities</li> <li>Area and circumference of circles and compound shapes</li> <li>Ratio notation and sharing in a ratio.</li> </ul>	<ul style="list-style-type: none"> <li>Transformations</li> <li>Co-ordinates</li> <li>Straight line graphs</li> <li>Quadratic graphs</li> <li>Scatter graphs</li> <li>Frequency polygons</li> <li>Averages from a table</li> </ul>	<ul style="list-style-type: none"> <li>Ratio problems</li> <li>Proportion calculations</li> <li>Solving equations including simultaneous equations</li> <li>Inequalities</li> <li>Compound measures</li> <li>Circles, arcs, and sectors</li> <li>Surface area and volume</li> <li>Plans and elevations</li> <li>Vectors</li> </ul>	<ul style="list-style-type: none"> <li>Similar and congruent shapes</li> <li>Pythagoras' theorem</li> <li>Basic trigonometry</li> <li>Algebra recall</li> <li>Number recall</li> </ul>	<ul style="list-style-type: none"> <li>Functions</li> <li>Sequences</li> <li>Iteration</li> <li>Simultaneous equations</li> <li>Bounds</li> <li>Index laws including fractional and negative.</li> <li>Surds</li> <li>Linear, quadratic, and other graphs</li> <li>Graphs of circles</li> <li>Direct and inverse proportion graphs</li> <li>Direct and inverse proportion equations</li> </ul>	<ul style="list-style-type: none"> <li>Transformations</li> <li>Algebraic proof</li> <li>Algebraic fractions</li> <li>Similar shapes</li> <li>Converting units</li> <li>Velocity time graphs</li> <li>Rates of change</li> <li>Constructions and loci</li> <li>Bearings</li> <li>Circle theorems</li> </ul>
<b>SUMMER</b>	<ul style="list-style-type: none"> <li>Simplifying, converting, and adding/subtracting fractions</li> <li>Understanding and calculating probabilities</li> <li>Collecting and presenting data</li> </ul>	<ul style="list-style-type: none"> <li>Simplifying and manipulating algebra</li> <li>Expanding and factorising</li> <li>Properties of 3D shapes</li> <li>Volume and surface area of prisms</li> <li>Plans and elevations</li> </ul>	<ul style="list-style-type: none"> <li>Rearranging formulae</li> <li>Equations of straight lines <math>y=mc+c</math></li> <li>Pythagoras' theorem</li> <li>Exact trigonometric values</li> <li>Basic trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>Sampling</li> <li>Pie charts</li> <li>Probability and probability trees</li> <li>Index laws</li> <li>Standard form</li> <li>Finance</li> </ul>	<ul style="list-style-type: none"> <li>Statistics and probability recall</li> <li>Ratio and proportion recall</li> <li>Geometry recall</li> </ul>	<ul style="list-style-type: none"> <li>Solving quadratic equations</li> <li>Quadratic inequalities</li> <li>Completing the square</li> <li>Quadratic simultaneous equations</li> <li>Circles, volume, and surface area</li> <li>Finance</li> </ul>	<ul style="list-style-type: none"> <li>Number recall</li> <li>Algebra recall</li> <li>Probability and statistics recall</li> <li>Ratio and proportion recall</li> </ul>