

MATHEMATICS CURRICULUM OVERVIEW – 2025/26

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