



Summary Curriculum Plan

MATHS

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	Topics	Topics	Topics	Topics	Topics	Topics
Year 7	Problem solving/number work Algebra simplifying, sub, solving	Factors, multiples and powers Set notation Sequences	Problem solving with fractions Perimeter, area and volume Shape properties	Handling Data MMM Angle facts parallel lines	Forming and solving equations Graphs of straight lines Probability	Constructions and scale drawings, elevation and depression and bearings
Year 8	Solving equations with fractions Linear Inequalities Decimal problems and rounding Area and circumference of a circle	Sectors SA and Volume of prisms Density Percentage increase and decrease	Equation of straight line, $y = mx + c$ Transformations	Ratio problems Averages from tables Indices +,-	Pythagoras theorem Simultaneous equations	Graphical solutions to sim eqns Plotting quadratic graphs Tree diagrams
Year 9	Fractional indices and standard form Simple quadratic inequalities Scatter graphs Compound measures Bounds of numbers	Probability mut. Excl and indep. Percentage problems (incl reverse) Expanding 2 brackets	Factorising quadratics Solving by factorising Trial and error Cumulative frequency Box plots	Sequences, nth terms Plotting graphs of quadratic, cubic and reciprocal functions Similarity	Trigonometry Volume of pyramids and cones Geometry and proof	Loci Statistical calculations and diagrams (histograms)
Year 10	Rational numbers Surds Solving quadratic	Using graphs to solve equations Probability, venn and tree diagrams	HCF and LCM revision Coordinate Geometry Sampling methods	Algebraic fractions Changing the subject Simultaneous	Quadratic inequalities Graphs of functions, tangents and area	Algebraic proof Ratio

	equations (all methods)	Multiplication principle Indices and standard form revision		equations (linear and quadratic) Geometric sequences and recurrence relation)		
<i>Year 11</i>	Direct and inverse proportion 3D trigonometry Congruency and similarity	Sine and cosine rules Area of triangle Segments of circles Volume and SA (all) Loci revision	Circle theorems Functions Sketching graphs	Graph transformations Vectors Iteration Level 2 FM differentiation	Problem solving Revision Level 2 FM matrices	