

Key Stage 4 Maths Curriculum Map

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	Foundation tier Content	 Statistics and sampling The averages Perimeter, area and volume 	 Straight line graphs Real life graphs Translations, rotations, reflections and enlargements 	RatioProportionPythagoras and trigonometry	 Calculation probability Experimental probability Multiplicative reasoning 	 Plans and elevations Constructions, loci and bearings 	 Expanding and factorising Graphs Circles, cylinders, cones and spheres
	Higher tier Content	 Surds, standard form, indices Prime factorisations Solving quadratics 	 Vectors Averages, box plots, histograms, stem and leaf Simultaneous equations 	Quadratic graphsPercentagesCircles	 Inequalities Ratio, direct and inverse proportion Transformations 	 Probability Circle theorems Linear and quadratic sequences 	 Trigonometry Algebraic proof Frequency tables, cumulative frequency graphs and frequency polygons
	Foundation tier Content	 Linear inequalities and quadratics Percentages, indices and bounds Angle in parallel lines and circle theorems 	 Equation of a straight line Ratio, direct and inverse proportion Area and perimeter of a sector and volume 	 Cumulative frequency, scatter graphs and Histograms Sequences, functions and proof 3D trig. sine and cosine rule 	 Tree diagrams Interest., standard form and surds Transformations 	 Vectors Similar and congruent shapes 	Exams and revision
Year 11	Higher tier Content	 Simplifying expressions, Solving linear equations and factorisation FDP equivalence, four rules with integers, decimals and fractions and rounding Basic angle facts, angles in parallel lines and bearings 	 Straight line graphs, plotting quadratics, cubics and reciprocals Ratio, direct and inverse proportion Area, perimeter, volume and plans and elevations 	 Finding averages and charts and graphs Indices. sequences and rearranging formula Pythagoras and Trigonometry 	 Probability and tree diagrams Percentages, standard form, factors and interest Transformations 	 Equations and inequalities Vectors Similar and congruent shapes 	• Exams and revision