



# KEVI CAMP HILL SCHOOL FOR GIRLS

## MATHEMATICS CURRICULUM MAP (YEARS 7-11)



		AUTUMN TERM	SPRING TERM	SUMMER TERM
KEY STAGE 3	<b>YEAR 7</b>	Integers, Fractions & Decimals Sequences Fractions, Decimals & Percentages Geometric properties of shape – area, perimeter & volume	Metric & Imperial Units Simplifying, Expanding, Factorising, Equation solving Factors, Multiples & Primes Angles	Symmetry Probability Averages & Charts Rounding, Estimating & BIDMAS
	<b>YEAR 8</b>	Pythagoras' Theorem Circles, volumes & surface area Percentages Probability & Venn diagrams	Transformations Presenting Data, quartiles & comparing data Re-arranging formulae, equation solving, expanding quadratics, inequalities	Constructions & Loci Straight Line Graphs Compound Measures Boundaries & Accuracy
	<b>YEAR 9</b>	Pythagoras in 3D, Trigonometry, Bearings Linear & Quadratic Sequences Fraction Calculations Fractions, Percentages, Ratio & Proportion Arc Length & Sector Area	Line, conversion & quadratic graphs Linear & simultaneous equations Inequalities & regions Ration, direct proportion, compound measures	Recurring decimals to fractions Quadratics & re-arranging Indices & Standard Form Probability & tree diagrams Surd
KEY STAGE 4	<b>YEAR 10</b>	Quadratic equations HCF, LCM, Negative numbers, Significant figures Sampling, Capture recapture, cumulative frequency, histograms Area, volume, cones, spheres	Angles, scale drawing, bearings Indices, Surds, Accuracy Choices & Outcomes Probability	Similarity, Congruence, scale factors Circle Theorems Direct & Inverse Proportion Functions & algebraic fractions
	<b>YEAR 11</b>	Trigonometry Trig Graphs Gradient & area under a graph Types of graph Translating graphs	Vectors Quadratic & non-linear simultaneous equations Quadratic inequalities	Revision & exam technique Final exams