

Maths - Curriculum map

	Autumn	Spring	Summer
Year 7	Analysing & displaying data Number skills Expressions, functions & formulas	Decimals & measures Fractions Probability Ratio & proportion	Lines & angles Sequences & graphs Transformations
Year 8	Number skills Area & volume Statistics, graphs & charts	Expressions & equations Real life graphs Decimals & ratio Lines & angles	Calculating with fractions Straight line graphs Percentages, decimals & fractions
Year 9 (Higher tier)	Indices (<i>fractional</i>) & Standard form Expressions & formula Factorising (<i>squares & difference of squares</i>) Data & statistics / Reasoning Enlargement (<i>negative scale</i>)	Constructions & Loci Equations, inequalities and proportionality Circles (<i>equation of a circle</i>) Pythagoras Prisms - surface area & volume	Sequences & graphs (<i>Quadratic equations</i>) Probability Comparing shapes & trigonometry
Year 10 (Higher tier)	Index laws (<i>fractional/algebraic indices</i>) Powers & roots (<i>surds</i>) Sequences (<i>quadratic sequences</i>) Interpreting and representing data: fractions, ratio & percentages (<i>recurring decimals</i>) Compound interest	Probability (<i>conditional probability</i>) Reasoning (<i>geometric proof & congruence</i>) Angles Pythagoras and Trigonometry Similarity & congruence (<i>in 3D shapes</i>) Plotting & sketching graphs Equation of a straight line/parallel lines (<i>equation of perpendicular lines</i>) Solving simultaneous equations	Area, perimeter & volume (<i>surface area of compound shapes & pyramids</i>) Transformations including graphs Constructions, loci & bearings Equations & inequalities (<i>solving quadratic equations, graphically, factorising, completing the square, quadratic formula</i>) (<i>showing inequalities graphically</i>) MOCK FOUNDATION PAPER (ALL)
Year 11 (Higher tier)	Trigonometry (<i>graph of sin/cos/tan</i>); <i>sine & cosine rule</i> ; <i>transforming trigonometric graphs</i>) Circles (<i>circle theorems & equation</i>) Vectors(<i>geometric problems</i>) Solving equations using trial & error (<i>iteration</i>) Ration & proportion (<i>indirect</i>) MOCK FOUNDATION/HIGHER PAPERS	Further algebra (<i>algebraic fractions, surds, functions, proof</i>) Statistics (<i>stratified sampling cumulative frequency box plots - histograms</i>) (<i>exponential functions, translating graphs of functions, reflecting graphs of functions</i>) MOCK FOUNDATION/HIGHER PAPERS	IN CLASS REVISION. GCSE EXAMS