

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 <i>(Higher tier)</i>	Indices <i>(fractional)</i> & Standard form Expressions & formula Factorising <i>(squares & difference of squares)</i> <i>Data & statistics / Reasoning</i> <i>Enlargement (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 <i>(Higher tier)</i>	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 <i>(Higher tier)</i>	Trigonometry <i>(graph of sin/cos/tan); sine & cosine rule; 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