

Curriculum Overview – Maths

Subject	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Year 7	Number Statistics and Probability	Fractions and Percentages	Shape Properties Algebra	Sequences and Graphs Quadratics	Fractions Angles and Straight Lines	Statistics and Probability Conversion Graphs
Year 8	Number - approximations Algebra Indices Standard Form	Ratio & Proportion Linear Equations Simultaneous Equations Quadratic Equations	Sequences Angles Pythagoras Trigonometry	Fractions, Decimals & Percentages Algebraic Graphs Real Graphs Compound Measures	Statistics Probability Inequalities	Transformations Constructions Percentages 2 Area & Volume
Year 9	Number Indices Standard Form Surds Fractions Percentages	Statistics: Displaying Data Averages Angles Pythagoras Trigonometry	Algebra: Equations Inequalities Sequences Perimeter, Area & Volume	Statistics: Frequency Tables Sampling Box Plots Cumulative Frequency	Algebraic Graphs Real Graphs Speed, Distance, Time Transformations	Ratio/Proportion Compound Interest Compound Measures Pythagoras Trigonometry
Year 10	Probability Percentages Direct/Inverse Proportion	Constructions/Loci Bearings Quadratic equations & Graphs	Area & Volume Indices Standard Form Surds	Congruence Similarity Vectors	Algebra Functions Iteration	Statistics: Types of Graph Histograms Circle Theorems
Year 11	Number (revision & Intervention)	Algebra & Graphs (revision & Intervention)	Shape & Measures (revision & intervention)	Probability & Statistics (revision & intervention)	Revision & exam preparation	
Year 12	Differentiation and straight line graphs Modelling in mechanics	Algebraic Expressions Quadratic Functions	Straight line graphs Circles Binomial Expansion	Trigonometry ratios, identities & equations Vectors	Integration Exponentials and logarithms	Exponentials and logarithms

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	Constant Acceleration	Equations & Inequalities Forces & Motion	Measures of location and spread Standard Deviation Coding Box Plots cumulative frequency	Histograms Probability Statistical Distributions	Variable Acceleration Scatter diagrams	Algebraic methods - Algebraic and partial fractions Correlation and Hypothesis testing
Year 13	Functions and graphs Sequences and series Binomial expansion Moments Forces & Friction	Projectiles Applications of Forces Radians Trig Functions Trigonometry & modelling Parametric eqns	Differentiation Numerical methods Integration Conditional Probability Regression and correlation Hypothesis testing	Integration Integration - Trapezium rule and Parametric The normal distribution	Vectors The normal distribution Hypothesis testing Further Kinematics	