

SUBJECT CURRICULUM OUTLINE

Term	Topic/Unit of work	Knowledge	Skills	Assessment
Autumn Term 1	GCSE Revision Coordinate Geometry Algebra and Functions	Quick recap of Higher GCSE topics which are henceforth assumed knowledge Parallel and Perpendicular lines Proportion Transformations Expressions Laws of Indices Quadratics and Cubics Circles	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Fortnightly Test Book marking
Autumn Term 2	Sampling Data Calculus Quantities and units in Mathematics Kinematics	Populations and sampling Representing Data Averages Dispersion Lines of best fit Basic Probability Differentiation Integration SI Units Graphs SUVAT	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Fortnightly test Book marking
Spring Term 1	Probability Distributions Further Algebra Forces and Newton's Laws	General Probability Distributions Binomial Distribution Inequalities Simultaneous equations Forces Newton's Laws	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Fortnightly test Internal Exam Book marking

SUBJECT CURRICULUM OUTLINE

Spring Term 2	Probability Distributions Trigonometry Forces and Newton's Laws Kinematics	Cumulative Binomial Distribution Sine and Cosine Rules Identities Graphs Newton's Laws Variable acceleration	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Fortnightly Test Book marking
Summer Term 1	Probability Distributions Hypothesis Testing Trigonometry Exponentials and Logarithms	Modelling Real problems Hypothesis Tests Trig Equations Relationship Laws of Logs Equations Modelling	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Fortnightly Test Book marking
Summer Term 2	Regression and Correlation Vectors Moments	PMCC Calculating and Modelling with Vectors Force x distance Ladders and Hinges	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	End of year assessment Fortnightly Test Book marking