

Curriculum Map : A Level Mathematics

	YEAR 12	YEAR 13
PURE	Algebraic expressions Quadratics Equations and inequalities Graphs and transformations Straight line graphs Circles Algebraic methods The binomial expansion Trigonometric ratios Trigonometric identities and equations Vectors Differentiation Integration Exponentials and logarithms	Algebraic methods Functions and graphs Sequences and series Binomial expansion Radians Trigonometric functions Trigonometry and modelling Parametric equations Differentiation Numerical methods Integration Vectors
STATISTICS	Data collection Measures of location and spread Representations of data Correlation Probability Statistical distributions Hypothesis testing	Regression, correlation and hypothesis testing Conditional probability The normal distribution
MECHANICS	Modelling in mechanics Constant acceleration Forces and motion Variable acceleration	Moments Forces and friction Projectiles Applications of forces Further kinematics