

## KS5 Curriculum Design Maths 24-25

Maths							
		Term1		Term2		Term3	
		Term 1.1	Term 1.2	Term 2.1	Term 2.2	Term 3.1	Term 3.2
12	Concept/ Theme	<b>Mechanics, Pure and Statistics</b>					
	Knowledge	Modelling in mechanics, SUVAT, Forces and Motion  Algebraic Expressions, Quadratics, Equations and Inequalities, Graphs and transformations	Differentiation and integration Straight lines and circles	Variable acceleration. Algebraic methods, Binomial expansion, Trigonometric Ratios, Trigonometric identities  Data Collection, measure of location and spread, representation of data	Vectors, exponentials and logs  Correlation, Probability	Statistical distributions; Hypothesis testing	Start Year 2 Knowledge: Moments in mechanics Radians, Trigonometric Functions
13	Concept/ Theme	<b>Mechanics, Pure and Statistics</b>					
	Knowledge	Forces and friction, Projectiles, Applications of forces Algebraic methods, functions and graphs, sequences, Binomial expansion	Further Kinematics. Differentiation. Regression, correlation and hypothesis testing, conditional probability, normal distribution.	Trigonometric modelling, Parametric Equations, Numerical methods Vectors, Integration	<b>Consolidation, exam preparation, revision.</b>		
Extra curricular							