

KS5 Curriculum Design Maths 26-27

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	Mechanics, Pure and Statistics					
	Knowledge	Modelling in mechanics, SUVAT, Forces and Motion	Differentiation and integration Straight lines and circles	Variable acceleration. Algebraic methods, Binomial expansion, Trigonometric Ratios, Trigonometric identities	Vectors, exponentials and logs		Start Year 2 Knowledge: Moments in mechanics Radians, Trigonometric Functions
		Algebraic Expressions, Quadratics, Equations and Inequalities, Graphs and transformations		Data Collection, measure of location and spread, representation of data	Correlation, Probability	Statistical distributions; Hypothesis testing	
13	Concept/ Theme	Mechanics, Pure and Statistics					
	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	Consolidation, exam preparation, revision.		
Extra curricular							