

## KS5 Curriculum Mapping Further 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 Decision</b>						
	Knowledge	Complex numbers, argand diags Algorithms, Graphs and networks, Algorithms on graphs.	Series, roots of polynomials, matrices. Route inspection, linear programming, CPA	Linear transformations using matrices, proof by induction Momentum and impulse, work energy and power, collisions.	Vectors, Integration and Vol. of revolution (yr 1 only)		Start Year 2: Complex numbers Decision subsection 2.5, 3.5, 4.3 (A level topics)	
13	Concept/ Theme	<b>Mechanics, Pure and Decision</b>						
	Knowledge	Complex numbers, Series Travelling Salesman, Simplex	Methods of calculus, vols. Rev, hyperbolic functions. Critical Path analysis, Elastic strings and springs, elastics collisions in 2D	Polar coordinates Methods with DE, Modelling with DE	<b>Consolidation, exam preparation, revision.</b>			
Extra curricular								