

SUBJECT CURRICULUM OUTLINE

Term	Topic/Unit of work	Knowledge	Skills	Assessment
Autumn Term 1	Sine and cosine rule Similarity and Congruence	Recognise trig graphs Exact trig values Area of a triangle Sine rule Cosine rule Pythagoras' Theorem in 3D Congruence of triangles Similar triangles Geometric proof Linear, area and volume scale factors	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Topic Test Book marking
Autumn Term 2	Similarity and Congruence Direct and indirect proportion Circle theorems	Exponential growth and decay Estimate area under a graph Gradient of graphs Rate of change Graphs for direct/indirect proportion Use $y = kx$ to solve problems Parts of a circle Prove circle theorem facts Constructions and loci Equation of a circle	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Mocks Topic test Book marking
Spring Term 1	Circle theorems Vectors Transformations	Vector notation Represent vectors pictorially Solve geometric problems with vectors Describe and transform a Rotation, Reflection, Translation and Enlargement Describe and transform a combined transformation	Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	Mocks Topic test Book marking
Spring Term 2	Revision		Use and apply: four operations Comprehension Reasoning	

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			Communicating mathematically Problem solving	
Summer Term 1	Revision		Use and apply: four operations Comprehension Reasoning Communicating mathematically Problem solving	
Summer Term 2				