Year Group	Year 11					
Subject intent	Our curriculum will enable students to: - Learn within a coherent and exciting framework which does not limit students' ambitions. - Develop new skills through a variety of interesting contexts to foster enjoyment. - Develop a rich, deep and secure subject knowledge. - Understand what they are doing well and how they need to improve. - Explore the breadth and depth of the national curriculum. - Improve their spiritual, social, moral and cultural understanding to develop confidence in their own financial and numerical understanding					
Subject Implementation	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge	**Year 11 Higher:** - Vectors and geometric proof **Year 11 Foundation:** - Vectors and geometric proof - GCSE exam practice	**Year 11 Higher:** - Proportion and graphs **Year 11 Foundation:** - Proportion and graphs - GCSE exam practice	**Year 11 Higher:** - Circle theorems **ear 11 Foundation:** - Circle theorems - GCSE exam practice	**Year 11 :** - GCSE exam practice	**Year 11 r:** - GCSE exam practice	
Skills	Addition, subtraction of vectors. Represent a vector as a column vector. Use vectors in simple	Sketch translations and reflections of a given function.	Understand and use the terms sector and segment.	Build exam skills and review previously taught content in	Build exam skills and review previously taught content in exam style.	

	and complex geometric arguments and proofs.	Sketch and interpret graphs of linear, quadratic and non-linear functions. Solve problems involving direct and inverse proportion, including graphical and algebraic representations.	Understand and apply circle theorems Prove the theorem that two angles in the same segment are equal. Solve a problem using circle theorems.	exam style.		
Subject Impact	apply addition and subtraction of vectors, multiplication of vectors by a scalar, and diagrammatic and column representations of vectors; use vectors to construct geometric arguments and proofs	Calculate or estimate gradients of graphs and areas under graphs (including quadratic and other non-linear graphs), and interpret results in cases such as distance-time graphs, velocity-time graphs and graphs in financial contexts (this does not include calculus). Understand and use proportion as equality of ratios. Understand that X is inversely proportional to Y is equivalent to X is proportional to 1/Y;	Recognise and use the equation of a circle with centre at the origin; find the equation of a tangent to a circle at a given point. Identify and apply circle definitions and properties, including: centre, radius, chord, diameter, circumference, tangent, arc, sector and segment. Apply and prove the standard circle theorems concerning			

		construct and interpret equations that describe direct and inverse proportion. Interpret the gradient of a straight line graph as a rate of change; recognise and interpret graphs that illustrate direct and inverse proportion. Interpret the gradient at a point on a curve as the instantaneous rate of change; apply the concepts of average and instantaneous rate of change (gradients of chords and tangents) in numerical, algebraic and graphical contexts (this does not include calculus).	angles, radii, tangents and chords, and use them to prove related results.			
Assessment	Summative and formative	Summative and formative	Summative and formative	Summative and formative	Summative and formative	Summative and formative