Curriculum Sequencing Overview – Year 11 Higher



Week	1	2	3	4	5	6	7	8
Date wb	14/11/22	21/11/22	28/12/22	05/12/22	12/12/22	02/01/23	09/01/23	16/01/23
Key dates	Unit 1 KA data due			Year 11 mock data and ATL deadline	Year 11 parents evening			
Big ideas (key concepts)	Circle Geometry	Year 11 mock exams		Changing the subject, algebraic fractions, rationalising surds, proof		Vectors and geometric proof		Reciprocals and exponential graphs, gradient and area under a curve
Lesson topics sequence	Apply construction techniques and understanding of loci to draw graphs based on circles and perpendiculars of lines Find the equation of a tangent to a circle at a given point, Recognise and construct the graph of a circle using $x^2 +$ $y^2 = r^2$ for radius r centred at the origin of coordinates			rationalising surds, proof Rationalise the denominator involving surds Simplify algebraic fractions Multiply and divide algebraic fractions Solve quadratic equations arising from algebraic fraction Change the subject of a formula Solve 'Show that' and proof questions Use function notation Find $f(x) + g(x)$ and $f(x) - g(x)$, 2f(x), $f(3x)$ etc algebraically Find the inverse of a linear function Know that $f^{-1}(x)$ refers to the inverse functions $f(x)$ and g(x), find $gf(x)$		Understand and use vector notation Understand and interpret vectors as displacement in the plane with an associated direction Represent vectors, combinations of vectors and scalar multiples in the plane pictorially Calculate the sum of two vectors, the difference of two vectors and a scalar multiple of a vector using column vectors Find the length of a vector using Pythagoras' Theorem Calculate the resultant of two vectors Solve geometric problems in 2D where vectors are divided in a given ratio Produce geometrical proofs to prove points are collinear and vectors/lines are parallel		
Key assessments		3 x matl	nock exams ns papers alc/ 2 x calc		Unit 17 assessment		Unit 18 assessment	Unit 2 KA

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	Mock exam revision	1 x Half	1 x Half	1 x Half Paper	1 x Half	1 x Half Paper	1 x Half Paper	1 x Half Paper		
		Paper	Paper	Set 4A Paper	Paper	Set 4A Paper 3H	Set 4B Paper 1H	Set 4B Paper 2H		
		Set 3B	Set 3B	1H	Set 4A	Calculator	Non – Calculator	Calculator		
Homework		Paper 2H	Paper 3H	Non –	Paper 2H	Higher Half	Higher Half	Higher Half Papers		
		Calculator	Calculator	Calculator	Calculator	Papers	Papers			
		Higher Half	Higher Half	Higher Half	Higher Half					
		Papers	Papers	Papers	Papers					