

Key Stage 4 Higher Scheme of Work								
10	Aut	Number	Ratio, Proportion & Rates of Change	Algebra	Geometry & Measure	Statistics	Probability	
				1. Algebraic Manipulation (1) 2. Equations, Inequalities and Formulae (2) 3. Quadratic Expressions and Equations (3)	"We manipulate expressions, solve equations and rearrange formulae. Links forward to: - Y10 Unit 2 – Straight Line Graphs - Y10 Unit 3 - Quadratics - Y10 Unit 19 - Simultaneous Equations This is the foundation for almost all algebra throughout KS4."			
		4. Percentages (2)						
			5. Ratio and Scale (2)					
	6. Work With Fractions (2)							
	Spr	7. Non-Calculator Methods (1)				12. Interpret and Represent Data (2)	9. Probability (2)	
				8. Straight Line Graphs (2)				
		10. Rounding and Estimation (1)						
	Sum	"We represent algebra graphically using gradients, intercepts and equations of lines. Links forward to: - Y10 Unit 13 – Non-Linear Graphs - Y10 Unit 19 - Simultaneous Equations (graphical solution) - Y11 Unit 8 – Functions and Graphs This connects algebra with graphical interpretation."		13. Non-Linear Graphs (2)	14. Angles (2)	15. Graphs and Diagrams (2)		
		17. Factors, Powers and Surds (2)		16. Vectors (2)				
			18. Pythagoras' Theorem and Trigonometry (2)					
			19. Simultaneous Equations (2)					
11	Aut		1. Ratio and Proportion (2)			"We calculate unknown sides in right-angled triangles. Links forward to: - Trigonometry - 3D Pythagoras - Coordinate Geometry This provides the foundation for trigonometric methods."	7. Set Notation and Venn Diagrams (1)	
					2. Area and Volume (1) 3. Similarity and Congruence (2)			
		5. Standard Form (1)		4. Sequences and Proof (2)				
		"We use multiplicative reasoning to solve problems involving direct and inverse proportion, scale factors, best value, and real-life contexts. We develop our fluency by comparing quantities, simplifying ratios and applying proportional thinking to increasingly complex problems." Links forward to: - Y11 Unit 3 – Similarity and Congruency			6. Circle Theorems (2)			
	Spr			9. Functions and Graphs (2) 10. Equations and Formulae (3)		12. Angles, Bearings and Trigonometry (2) 13. Constructions and Loci (2) 14. Transformations (2)		
			11. Rates (1)					
	Sum	EXAM REVISION 1 st Clas Maths Maths Genie Go Teach Maths Desmos (Graphing Calculator)						