

Key Stage 4 Foundation Scheme of Work

		Number	Ratio, Proportion & Rates of Change	Algebra	Geometry & Measure	Statistics	Probability		
10	Aut		5. Ratio and Scale (2)	1. Algebraic Manipulation (2) 2. Equations, Inequalities and Formulae (2) 3. Quadratic Expressions and Equations (2)	“We explore 2-D and some 3-D shapes and their properties.” Links back from: - Y7 Perimeter and Area - Y8 Area and Volume Links forward to -Y11 Area and Volume	“We develop understanding of data including averages and range.” Links back from: - Y8 Data	“We develop probability models and calculations.” Links back from: - Y9 Sets and Probability		
		4. Percentages (2)							
		6. Work With Fractions (2)		“We develop understanding of ratios as well as link them with fractions and algebra.” Links back from: - Y9 Ratio and Proportion					
		7. Non-Calculator Methods (2)							
	Spr			8. Straight Line Graphs (2)			9. Probability (2)		
		10. Rounding and Estimation (1)							
		“We develop understanding of powers, rational and irrational numbers.” Links back from: - Y7 Properties of Number Links forward to -Y11 Standard Form		13. Non-Linear Graphs (1)	11. Perimeter, Area and Volume (2)	12. Interpret and Represent Data (2)			
	Sum		“We explore more quadratic graphs as well as cubic graphs.” Links back from: - Y10 Quadratic Expressions and Equations Links forward to - Y11 Functions and graphs		14. Angles (2)	15. Graphs and Diagrams (2)	“We explore ways to represent data visually.” Links back from: - Y8 Data - Y8 Graphs and Charts		
		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)		2. Area and Volume (2) 3. Similarity and Congruence (2)	"We develop understanding of both circles and sectors, including area and perimeter." Links back from: - Y8 Circles - Y10 Perimeter, Area and Volume		
				4. Sequences and Proof (2)				
		5. Standard Form (1)			6. Work With Circles (2)			
		"We develop understanding of calculations with standard form." Links back from: - Y8 Standard Form - Y10 Powers	"We explore speed, density and pressure." Links back from: - Y7 Speed, Distance and Time - Y8 Area, Volume and Density - Y9 Rates	8. Functions and Graphs (2) 9. Equations and Formulae (2)			11. Angles, Bearings and Trigonometry (2) 12. Constructions and Loci (2) 13. Transformations (2)	"We link angle facts with right-angled triangles and bearings." Links back from: - Y9 Trigonometry - Y10 Angles
	Spr		10. Rates (2)				"We link together probability concepts from Y10 with Venn Diagrams." Links back from: - Y9 Sets and Probability - Y10 Probability	
	Sum	EXAM REVISION 1st Clas Maths Maths Genie Go Teach Maths Desmos (Graphing Calculator)						