2024 Scope & Sequence – Year 9 Advanced

Term 1

Week	1	2	3	4	5	6	7	8	9	10	11
Topic	Financial Mathematics			Algebraic Techniques				Ratios and Rates		Surds and Indices	
Content	Solving Problems Involving Money		Simple and Compound Interest	Basic Review	Algebraic Fractions	Expanding/ Factorising	Expanding Binomial	Rates	Graphs	Rational/ Irrational Numbers	Surds and the negative index
Assessment	Quizzes weeks 3, 5, 7 and 9										

Term 2

Week	1	2	3	4	5	6	7	8	9	10
Topic	Area, S.A. and Volume				Equations				Linear relationships	
Content	Composite Area, Semi Circle Annulus	S.A. of Right Prism	Volume of Right Prism	Volume of Composite Solids	Solving Linear and Algebraic Fractions		Quadratic Formula	Rearranging to solve Word Problems	m, MP and distance	Sketching Linear
Assessment	Assignment and in-class task week 2									

Term 3

Week	1	2	3	4	5	6	7	8	9	10
Topic	Trigonometry				Single Variable Data		Bivariate Data		Non-Linear Relationships	
Content	Sin, Cos, Tan	Unknown side and angle	Elevation/ Depression	3-D Trig	Quartiles and IQR	Box Plots	Defining Bivariate	Scatterplot	Graphing and defining Parabolas	Graphing Circles, Hyperbolas and Cubic's
Assessment	Quizzes weeks 3, 5, Advanced test week 7 and Common test week 9									

Term 4

Week	1	2	3	4	5	6	7	8	9	10
Topic	Yearly Examination and Preparation		Probability		Geometry			Polynomials		
Content			Listing 2 step problems	Calculating 3 step problems	Congruence and Similarity Proofs		Similarity and Ratios	Defining a Polynomial	Sketching	Factor Theorem
Assessment	Yearly Examination week 2									