



**Year 11** **Mathematical Methods**

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Unit 1	Surds, algebra, functions and probability	T1 W1 16 weeks	Topic 1: Surds and quadratic functions Topic 2: Binomial expansion and cubic functions Topic 3: Functions and relations Topic 4: Trigonometric functions Topic 5: Probability	Exam (Topics 1, 3)	-	23/03/26 & 24/03/26
				Problem Solving and Modelling Task	Issue: 30/04/25 Draft Due: 21/05/26	28/05/26
	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Unit 2	Calculus and further functions	T2 W7 17 weeks	Topic 1: Exponential functions Topic 2: Logarithms and logarithmic functions Topic 3: Introduction to differential calculus Topic 4: Applications of differential calculus Topic 5: Further differentiation	Exam (Topics 1, 2, 3)	-	11/08/26 & 13/08/26
				Exam (Units 1 & 2)	-	Term 4 Block Exam TBA
	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Unit 3	Further calculus and introduction to statistics	T4 W5 4 weeks	Topic 1: Differentiation of exponential and logarithmic functions Topic 2: Differentiation of trigonometric functions and differentiation rules			