

Learning and Assessment Overview



MALANDA
STATE HIGH SCHOOL

Year 11 - 2024

Mathematical Methods

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Unit 1	Algebra, statistics and functions	T1 W1 17 weeks	Topic 1: Arithmetic and geometric sequences and series 1 Topic 2: Functions and graphs Topic 3: Counting and probability Topic 4: Exponential functions 1 Topic 5: Arithmetic and geometric sequences and series 2	Problem Solving and Modelling Task	Issue: 9/02/24 Draft Due: 01/03/24	08/03/24
				Exam Unit 1 Topics 1 – 5	-	29/05/24 & 31/05/24
Unit 2	Calculus and further functions	T2 W8 17 weeks	Topic 1: Exponential functions 2 Topic 2: The logarithmic function 1 Topic 3: Trigonometric functions 1 Topic 4: Introduction to differential calculus Topic 5: Further differentiation and applications 1 Topic 6: Discrete random variables 1	Exam Unit 2 Topics 1 – 3	-	05/08/24
				Exam Units 1 & 2	-	Block Exam
Unit 3	Further calculus	T4 W5 4 weeks	Topic 1: The logarithmic function 2 Topic 2: Further differentiation and applications 2			