

# Learning and Assessment Overview 2024



## MALANDA STATE HIGH SCHOOL

Year 8 - 2024

Mathematics

	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
Term 1	Integers and Percentages	T1 W1 5 weeks	Students solve everyday problems involving rates, ratios and percentages. They solve problems involving profit and loss. Students use efficient mental and written strategies to carry out the four operations with integers.	Exam	-	22/02/24
	Probability	T1 W6 4 Weeks	Students model authentic situations with two-way tables and Venn diagrams. They choose appropriate language to describe events and experiments. Students determine the probabilities of complementary events and calculate the sum of probabilities.	Exam	-	21/03/24
Term 2	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
	Index laws Algebra	T1 W10 5 Weeks	Students describe index laws and apply them to whole numbers. They make connections between expanding and factorising algebraic expressions. Students simplify a variety of algebraic expressions.	Exam	-	09/05/24
	Perimeter & Area	T2 W5 5 Weeks	Students describe rational and irrational numbers. They convert between units of measurement for area and volume. Students perform calculations to determine perimeter and area of parallelograms, rhombuses and kites. They name the features of circles and calculate the areas and circumferences of circles.	Project	Issue Date: 30/05/24	06/06/24
Term 3	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
	Statistics	T2 W10	Students explain issues related to the collection of data and the effect of outliers on means and medians in that data.	Project	Issue Date: 25/07/24	01/08/24
	Time, Rates & Ratios, Linear Functions	T3 W5 5 Weeks	Students solve everyday problems involving rates, ratios and percentages. They describe rational and irrational numbers. Students make sense of time duration in real applications. They solve linear equations and graph linear relationships on the Cartesian plane.	Exam	-	05/09/24
Term 4	Unit	Start/Length	Topics/Concepts/Skills/Inquiry	Assessment	Checkpoints	Due Date
	Algebra and Geometry	T3 W10 5 Weeks	Students simplify a variety of algebraic expressions. They solve linear equations and graph linear relationships on the Cartesian plane.	Exam	-	24/10/24
	Volume and Geometric Reasoning	T4 W5 5 Weeks	Students solve problems relating to the volume of prisms. They identify conditions for the congruence of triangles and deduce the properties of quadrilaterals. Students convert between units of measurement for area and volume.	Exam	-	28/11/24