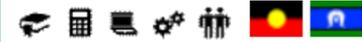


Identify curriculum	Achievement standard	<p>By the end of Year 8, students solve everyday problems involving rates, ratios and percentages. They describe index laws and apply them to whole numbers. They describe rational and irrational numbers. Students solve problems involving profit and loss. They make connections between expanding and factorising algebraic expressions. Students solve problems relating to the volume of prisms. They make sense of time duration in real applications. They identify conditions for the congruence of triangles and deduce the properties of quadrilaterals. Students model authentic situations with two-way tables and Venn diagrams. They choose appropriate language to describe events and experiments. They explain issues related to the collection of data and the effect of outliers on means and medians in that data.</p> <p>Students use efficient mental and written strategies to carry out the four operations with integers. They simplify a variety of algebraic expressions. They solve linear equations and graph linear relationships on the Cartesian plane. Students convert between units of measurement for area and volume. They 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. Students determine the probabilities of complementary events and calculate the sum of probabilities.</p>							
Teaching and learning	Term overview	Term 1		Term 2		Term 3		Term 4	
	NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Apply mental computation and written strategies to solve integers problems using the four operations. - Describe index laws and apply the laws to whole numbers. - Solve linear equations and graph the relations on the Cartesian plane. 		NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Simplify algebraic expressions. - They make connections between expanding and factorising algebraic expressions. - Solve everyday problems using ratios, rates and percentages. MEASUREMENT AND GEOMETRY <ul style="list-style-type: none"> - Apply understanding of time to real-life applications. 		MEASUREMENT AND GEOMETRY <ul style="list-style-type: none"> - Convert units of measurement for area and volume. - Calculate the perimeter and area of parallelograms, rhombuses and kites. - Solve problems relating to the volume of prisms. - Name the features of circles. and calculate the circumference and area of circles. - Describe rational and irrational numbers. - Identify conditions for congruence of triangles. and deduce the properties of quadrilaterals. 		STATISTICS AND PROBABILITY <ul style="list-style-type: none"> - Model authentic situations with two-way tables and Venn diagrams. - Choose appropriate language to describe events and experiments. - Explain issues related to the collection of data and the effect of outliers on means and medians in that data. - Determine the probabilities of complementary events and calculate the sum of probabilities. NUMBER AND ALGEBRA <ul style="list-style-type: none"> - Solve problems involving profit and loss. 		
General capabilities and Cross curriculum priorities									
		 Literacy  Numeracy  ICT capability  Critical and creative thinking  Ethical behaviour  Personal and social capability  Intercultural understanding  Aboriginal and Torres Strait Islander histories and cultures  Asia and Australia's engagement with Asia  Sustainability							
Develop assessment	Major Assessment	Term 1		Term 2		Term 3		Term 4	
		Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument
		4	Integers Assessment	15	Algebra Assessment	6 8	Measurement Assessment Circles Assignment	12-14	Statistics Assessment - 3 Parts
		7	Index Laws Assessment	17	Rates and Ratios Assessment	10	Congruence Assessment	15	Probability Assessment
10	Linear Relations Assessment	All semester	Continuous ongoing assessment	All semester	Continuous ongoing assessment	17	Financial literacy Assessment		
Make judgments and use feedback	Moderation	Term 1		Term 2		Term 3		Term 4	
		Teachers moderate assessment tasks to ensure consistency of judgments.							