

Lanyon High School



LSU Year 7/8 – Australian Curriculum: Mathematics (2022)

Identify curriculum	Achievement standard	Mathematics- LSU Achievement Standards LSU students in Mathematics will be assessed to Australian Curriculum Achievement Standards that accurately reflect their individual capabilities (ranging from Foundation to Year 10). Broadly, students in the LSU will be learning a range of strategies to solve number and algebraic problems, gather and utilise data, make predictions involving probability, solve measurement problems and develop their financial literacy in preparation for real-life scenarios.			
Teaching and learning	Term overview	Term 1	Term 2	Term 3	Term 4
		NUMBER and ALGEBRA: Mental computation strategies (ongoing) EL6: I can perform basic operations			
		NUMBER and ALGEBRA EL6: I can perform basic operations <ul style="list-style-type: none"> Number and place value <ul style="list-style-type: none"> - Number properties - Number sequences - Addition and subtraction strategies - Mental and written strategies - Integer: comparison, addition and subtraction Money and Financial Mathematics EL13: Money is finite and needs to be managed <ul style="list-style-type: none"> - Identifying coin and note values - Adding and subtracting values - Total cost of values - Change given - simple budgets - Comparing costs MEASUREMENT and GEOMETRY <ul style="list-style-type: none"> Time EL9: I can utilise my time <ul style="list-style-type: none"> - Reading digital and analogue - Converting between times - Determining travel time - applying understanding of time to real life applications 	NUMBER and ALGEBRA EL6: I can perform basic operations <ul style="list-style-type: none"> - Multiplication and division strategies - Mental and written strategies - Identifying factors and multiples - Index notation squares and square roots Patterns and Algebra <ul style="list-style-type: none"> - Describes, continues number patterns from four operations of number - Find unknown quantities in number sentences - Explore the use of brackets and order of operations to write number sentences - Connect the laws and properties for numbers to algebra - solve simple linear equations and evaluate expressions after substitution. 	NUMBER and ALGEBRA EL 6: I can perform basic operations <ul style="list-style-type: none"> Fractions and Decimals <ul style="list-style-type: none"> - Model and represent unit fractions - Expressing fractions as a decimal or percentage - Representing fractions and decimals as equivalents - Solving problems using fractions decimals and percentages. - Solve everyday problems using ratio, rates and percentages STATISTICS and PROBABILITY EL: 8 can read and interpret tables, graphs and visual texts. <ul style="list-style-type: none"> Data Representation and Interpretation <ul style="list-style-type: none"> Collect data and analyse it - Represent data in different ways - Calculate mean, mode, median - Two way tables and venn diagrams - Determine probabilities and complementary events 	MEASUREMENT and GEOMETRY Geometric reasoning EL: I Can identify and compare angle sizes in everyday situations <ul style="list-style-type: none"> Angles <ul style="list-style-type: none"> - Draws and names different types of angles - Solves simple problems involving angles - Names of types of angles formed by a transversal crossing parallel lines EL:-I can identify properties of shapes <ul style="list-style-type: none"> Shape <ul style="list-style-type: none"> - Investigating properties of shapes 2D and 3D - Describe different views of 3D objects - Classify triangles and quadrilaterals - Identify conditions for congruence of triangles and deduce the properties of quadrilaterals Location and Transformation EL: I can Identify and create patterns of Symmetry <ul style="list-style-type: none"> - Transformation and symmetry
	General capabilities and				

	Cross curriculum priorities								
	Key to 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	Assessment		Term 1		Term 2		Term 3		Term 4
		Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument	Week	Assessment instrument
			Ongoing Bookwork working with operations of number		Ongoing Bookwork working with operations of number		Ongoing Bookwork working with operations of number		Ongoing Bookwork working with operations of number
Make judgments and use feedback	Moderation		Term 1		Term 2		Term 3		Term 4
			Teachers moderate the assessment tasks to ensure consistency of judgments.		Teachers moderate the assessment tasks to ensure consistency of judgments.		Teachers moderate the assessment tasks to ensure consistency of judgments.		Teachers moderate the assessment tasks to ensure consistency of judgments.