











## LSU Year 7-10 – Australian Curriculum: Mathematics (2019)

Identify curriculum	Achievement standard	<b>Mathematics- LSU Achievement Standard</b> By the end of the year, LSU students solve simple problems involving the four operations using a range of strategies. They check the reasonableness of answers using estimation and rounding. Students identify and describe factors and multiples. They identify and explain strategies for finding unknown quantities in number sentences involving the four operations. They explain plans for simple budgets. Students connect three-dimensional objects with their two-dimensional representations. They describe transformations of two-dimensional shapes and identify line and rotational symmetry. Students interpret different data sets. Students order decimals and unit fractions and locate them on number lines. They add and subtract fractions with the same denominator. Students continue patterns by adding and subtracting fractions and decimals. They use appropriate units of measurement for length, area, volume, capacity and mass, and calculate perimeter and area of rectangles. They convert between 12- and 24-hour time. Students use a grid reference system to locate landmarks. They measure and construct different angles. Students list outcomes of chance experiments with equally likely outcomes and assign probabilities between 0 and 1. Students pose questions to gather data, and construct data displays appropriate for the data. <i>Source: Australian Curriculum, Assessment and Reporting Authority (ACARA), Australian Curriculum: Geography for Foundation-10, &lt;www.australiancurriculum.edu.au/Science/Curriculum/F-10&gt;.</i>							
Teaching and learning	Term overview	Term 1		Term 2		Term 3		Term 4	
		1. Basic Operations & Financial Literacy		2. Measurement and probability		3. Statistics, multiples and factors		4. Cartesian plane, grid references and algebra	
	Cross curriculum priorities	Sustainability							
	General capabilities	<b>Critical and Creative Thinking</b> <ul style="list-style-type: none"><li>Inquiring – identifying, exploring and organising information and ideas</li></ul> <b>Literacy</b> <ul style="list-style-type: none"><li>Word Knowledge</li></ul> <b>Numeracy</b> <ul style="list-style-type: none"><li>Interpret maps and diagrams</li><li>Interpreting statistical information</li></ul> <b>Information and Communication Technology (ICT) Capability</b> <ul style="list-style-type: none"><li>Locate, generate and access data and information</li></ul>		<b>Critical and Creative Thinking</b> <ul style="list-style-type: none"><li>Generating ideas, possibilities and actions</li><li>Consider alternatives</li><li>Reflecting on thinking and processes</li></ul> <b>Literacy</b> <ul style="list-style-type: none"><li>Comprehending texts through listening, reading and viewing</li><li>Word Knowledge</li></ul> <b>Numeracy</b> <ul style="list-style-type: none"><li>Interpret maps and diagrams</li><li>Interpreting statistical information</li></ul>		<b>Critical and Creative Thinking</b> <ul style="list-style-type: none"><li>Inquiring – identifying, exploring and organising information and ideas</li><li>Generating ideas, possibilities and actions</li><li>Consider alternatives</li><li>Reflecting on thinking and processes</li></ul> <b>Literacy</b> <ul style="list-style-type: none"><li>Comprehending texts through listening, reading and viewing</li><li>Word Knowledge</li></ul> <b>Numeracy</b> <ul style="list-style-type: none"><li>Interpret maps and diagrams</li><li>Interpreting statistical information</li></ul>		<b>Critical and Creative Thinking</b> <ul style="list-style-type: none"><li>Inquiring – identifying, exploring and organising information and ideas</li><li>Generating ideas, possibilities and actions</li><li>Consider alternatives</li><li>Reflecting on thinking and processes</li></ul> <b>Literacy</b> <ul style="list-style-type: none"><li>Comprehending texts through listening, reading and viewing</li><li>Word Knowledge</li></ul> <b>Numeracy</b> <ul style="list-style-type: none"><li>Interpret maps and diagrams</li><li>Interpreting statistical information</li></ul>	
	Key to general capabilities and cross-curriculum priorities	<div><div> Literacy</div><div> Numeracy</div><div> ICT capability</div><div> Critical and creative thinking</div><div> Ethical behaviour</div><div> Personal and social capability</div><div> Intercultural understanding</div></div> <div><div> Aboriginal and Torres Strait Islander histories and cultures</div><div> Asia and Australia's engagement with Asia</div><div> Sustainability</div></div>							
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		Ongoing Bookwork		Ongoing Bookwork		Ongoing Bookwork
		10	Bottle Recycling Project	7	Probability descriptions	4	Statistical survey	8	Mapping challenge
Make judgments	Moderation	Term 1		Term 2		Term 3		Term 4	

and use feedback		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.
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