

MATHS OVERVIEW - STAGE 3 (TERM 4)

Week	Concept	Key Idea
1	Angles	<ul style="list-style-type: none"> Identify and name angle types formed by the intersection of straight lines, including 'angles on a straight line', 'angles at a point' and 'vertically opposite angles'. Use known angle results to find unknown angles in diagrams.
	Chance	<ul style="list-style-type: none"> Compare observed frequencies in chance experiments with expected frequencies. Conduct chance experiments with both small and large numbers of trials.
	Data	<ul style="list-style-type: none"> Compare a range of data displays to determine the most appropriate display for particular sets of data. Interpret and critically evaluate data presented in digital media and elsewhere.
2	Fractions and Decimals	<ul style="list-style-type: none"> Determine, generate and record equivalent fractions. Write fractions in their 'simplest' form. Make connections between equivalent percentages, fractions and decimals.
	Length	<ul style="list-style-type: none"> Convert between kilometres, metres, centimetres and millimetres. Record lengths and distances using the abbreviations km, m, cm and mm.
3	Fractions and Decimals	<ul style="list-style-type: none"> Solve word problems involving fractions and decimals including money problems. Use mental, written and calculator strategies to calculate 10%, 25% and 50% of quantities, including as discounts.
	Two-Dimensional Space	<ul style="list-style-type: none"> Identify line and rotational symmetries. Identify, describe, compare and draw diagonals of two-dimensional shapes. Identify, use and describe combinations of translations, reflections and rotations.
4	Patterns and Algebra	<ul style="list-style-type: none"> Locate and record the coordinates of points in all four quadrants of the Cartesian plane. Find missing numbers in number sentences involving multiplication or division on one or both sides of the equals sign.
	Position	<ul style="list-style-type: none"> Describe routes using landmarks and directional language.
5	REVISION / CATCH UP / ASSESSMENT	
6	Addition and Subtraction	<ul style="list-style-type: none"> Select and apply efficient mental, written and calculator strategies to solve word problems and record the strategy used. Create a simple budget.
	Volume and Capacity	<ul style="list-style-type: none"> Convert between millilitres and litres. Develop a strategy to find volumes of rectangular prisms and record the strategy in words.
7	Multiplication and Division	<ul style="list-style-type: none"> Select and apply efficient mental, written and calculator strategies to solve word problems and record the strategy used. Recognise and use grouping symbols. Apply the order of operations in calculations. Use estimation to check answers to calculations.
	Length	<ul style="list-style-type: none"> Solve problems involving length and perimeter. Find perimeters of common two-dimensional shapes and record the strategy.
8	Mass	<ul style="list-style-type: none"> Distinguish between 'gross mass' and 'net mass'. Solve problems involving mass.
	Time	<ul style="list-style-type: none"> Convert between 12- and 24-hour time. Interpret and use timetables.
9	Area	<ul style="list-style-type: none"> Solve problems involving areas of rectangles (including squares) and triangles.
	Chance	<ul style="list-style-type: none"> Represent probabilities using fractions, decimals and percentages.
10	REVISION / CATCH UP / ASSESSMENT	