Subject.	Mathematics		
Week	Unit	Learning Focus	Victorian Curriculum
Term 1 1-3	Shapes, Transformations and Cartesian	Drawing 2D shapes and 3D objects.	Draw different views of prisms and solids formed from combinations of prisms. (VCMMG260)
	Planes	Symmetry of 2D shapes and 3D objects. Describing transformations.	Describe translations, reflections in an axis, and rotations of multiples of 90° on the Cartesian plane using coordinates. Identify line and rotational symmetries. (VCMMG261)
			Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point. (VCMNA255)
4-7	Number – factors, multiples, indices,	Finding factors and multiples. Understanding index notation and solving problems with	Investigate index notation and represent whole numbers as products of powers of prime number. (VCMNA238)
	fractions (+,-)	indices.	Investigate and use square roots of perfect square numbers. (VCMNA239)
		Understanding square roots. Understanding equivalent	Apply the associate, commutative and distributive laws to aid mental and written computation and
		fractions.	make estimates for these computations. (VCMNA240)
		Adding and subtracting fractions.	Compare fractions using equivalence. Locate and represent positive and negative fractions and mixe numbers on a number line. (VCMNA242)
			Solve problems involving addition and subtraction fractions, including those with unrelated denominators. (VCMNA243)
8-10	Algebra	Determine patterns and rules from a sequence.	Introduce the concept of variables as a way of representing numbers using letters. (VCMNA251)
		Apply and determine rules/formulae.	Create algebraic expressions and evaluate them by substituting a given value for each variable. (VCMNA252)
		Substitute numbers into formulae.	Extend and apply the laws and properties of arithmetic to algebraic terms and expressions.
		Determine a formula from a worded questions.	(VCMNA253)
		Define term, expression, equation, coefficient, variable and constant.	
		Simplify expressions. Expand expressions in brackets.	
Term 2 1- 4	Probability	Construct sample spaces for single step experiments.	Construct sample spaces for single-step experimen with equally likely outcomes. (VCMSP266)

		Assign probabilities for	Assign probabilities to the outcomes of events and
		outcomes of events.	determine probabilities for events. (VCMSP267)
5 - 7	Fractions – multiplying and dividing	Multiply and divide fractions. Convert between fractions and decimals and compare	Multiply and divide fractions and decimals using efficient written strategies and digital technologies. (VCMNA244)
		values.	Express one quantity as a fraction of another, with and without the use of digital technologies.
		Convert worded questions into fraction and decimal calculations.	(VCMNA245)
8-9	Positive and negative numbers	Integers on the number line and number plane.	Compare, order, add and subtract integers. (VCMNA241)
		Adding, subtracting, multiplying and dividing of integers.	
10	Rates and Ratios	Connecting fractions and percentages to ratios.	Recognise and solve problems involving simple ratios. (VCMNA249)
		Using ratios to solve problems.	
Term 3 1-4	Fractions, Decimals and Percentages	Place value and comparing decimals.	Round decimals to a specified number of decimal places. (VCMNA246)
		Rounding decimals. Apply the operations +, -, x, ÷ to decimals.	Connect fractions, decimals and percentages and carry out simple conversions. (VCMNA247)
		Convert between fractions,	Find percentages of quantities and express one quantity as a percentage of another, with and
		decimals and percentages and compare values.	without digital technologies. (VCMNA248)
		Convert worded questions into fraction, decimal and percentage calculations.	Recognise and solve problems involving simple ratios. (VCMNA249)
5-7	Financial Mathematics	Calculating items costs per unit, gm, kg.	Investigate and calculate 'best buys', with and without digital technologies. (VCMNA250)
8-10	Measurement and Geometry	Convert units of length.	Establish the formulas for areas of rectangles, triangles and parallelograms and use these in
		Define perimeter and calculate basis and composite	problem solving. (VCMMG258)
		shapes.	Calculate volumes of rectangular prisms. (VCMMG259)
		Calculate areas of basic and composite shapes.	Identify corresponding, alternate and co-interior angles when two straight lines are crossed by a
		Apply relevant formulae. Utilise correct units of	transversal. (VCMMG264)
		measure.	Investigate conditions for two lines to be parallel and solve simple numerical problems using
		Measuring and constructing angles.	reasoning. (VCMMG265)
		Types of angles and definitions.	Demonstrate that the angle sum of a triangle is 180 and use this to find the angle sum of a quadrilateral (VCMMG263)

		Properties of triangles and quadrilaterals. Parallel and perpendicular lines.	Classify triangles according to their side and angle properties and describe quadrilaterals. (VCMMG262)
Term 4 1-5	Linear and Non linear relationships	Determine patterns and rules from a sequence. Apply and determine rules/formulae. Substitute numbers into	Solve simple linear equations. (VCMNA256) Investigate, interpret and analyse graphs from real life data, including consideration of domain and range. (VCMNA257)
	Statistics	formulae. Determine a formula from a worded question. Classifying data.	Identify and investigate issues involving numerical
6-9	Statistics	Displaying data in tables.	data collected from primary and secondary sources. (VCMSP268)
		Measures of centre. Measures of spread.	Construct and compare a range of data displays including stem-and-leaf plots and dot plots. (VCMSP269)
		Representing data graphically.	Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data. (VCMSP270)
			Describe and interpret data displays using median, mean and range. (VCMSP271)