

Number & Algebra

	Achievement Standard	Content Descriptor – the student will...	Term 1	Term 2	Term 3	Term 4
Number and Place Value	By the end of Year 4 students choose appropriate strategies for calculations involving multiplication and division. Students use the properties of odd and even numbers. They recall multiplication facts up to 10 x 10 and the related division facts.	Investigate and use properties of odd and even numbers				
		Recognise, represent and order numbers to at least tens of thousands				
		Apply place value to partition, rearrange and regroup (rename) numbers to at least tens of thousands to assist calculations & solve problems				
		Investigate number sequences involving multiples of 3, 4, 6, 7, 8 and 9				
		Recall multiplication facts up to 10 x 10 and related division facts				
		Develop efficient mental and written strategies and use appropriate digital technologies for multiplication and for division where there is no remainder				
Fractions & Decimals	By the end of Year 4 students recognise common equivalent fractions in familiar contexts and make connections between fraction and decimal notations up to two decimal places. Students locate familiar fractions on a number line.	Investigate equivalent fractions used in contexts				
		Count by quarters, halves and thirds, including with mixed numerals. Locate and represent these fractions on a number line.				
		Recognise that the place value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation.				
Money & Financial Matters	By the end of Year 4 students solve simple purchasing problems.	Solve problems involving purchases and the calculation of change to the nearest five cents with & without digital technologies				
Patterns & Algebra	By the end of Year 4 students identify unknown quantities in number sentences. They describe number patterns resulting from multiplication. Students continue number sentences involving multiples of single digit numbers.	Explore and describe number patterns resulting from performing multiplication				
		Solve word problems by using number sentences involving multiplication & division where there is no remainder				
		Use equivalent number sentences involving addition & subtraction to find unknown quantities				

Statistics & Probability

		Achievement Standard	Content Descriptor – the student will...	Term 1	Term 2	Term 3	Term 4
Chance		By the end of Year 4 students list the probabilities of everyday events . Identify dependent and independent events .	Describe possible everyday events and order their chances of occurring				
			Identify everyday events where one cannot happen if the other happens				
			Identify events where the chance of one will not be affected by the occurrence of the other				
Data interpretation & Representation		By the end of Year 4 students describe different methods for data collection and representation, and evaluate their effectiveness . Students construct data displays from given or collected data .	Select and trial methods for data collection, including survey questions and recording sheets				
			Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Includes tables, column graphs and picture graphs where one picture can represent many data values				
			Evaluate the effectiveness of different displays in illustrating data features including variability				

Measurement & Geometry

		Achievement Standard	Content Descriptor – the student will...	Term 1	Term 2	Term 3	Term 4
Using Units of Measurement	Length, Area, Mass & Capacity	By the end of Year 4 students compare areas of regular and irregular shapes using informal units . Students use scaled instruments to measure temperatures, lengths, shapes and objects .	Use scaled instruments to measure and compare lengths, masses, capacities and temperatures				
			Compare objects using familiar metric units of area and volume				
	Time	By the end of Year 4 students solve problems involving time duration . They convert between units of time .	Convert between units of time				
			Use am and pm notation and solve simple time problems				
Shape	By the end of Year 4 students create symmetrical shapes and patterns .	Compare and describe two dimensional shapes that result from combining and splitting common shapes, with and without digital technologies					
Location & Transformation	Location	By the end of Year 4 students interpret information contained in maps .	Use simple scales, legends and directions to interpret information contained in basic maps				
	Transformation	By the end of Year 4 students create symmetrical shapes and patterns .	Create symmetrical patterns, pictures and shapes with and without digital technologies				
Geometric Reasoning	Angles	By the end of Year 4 students classify angles in relation to a right angle .	Compare angles and classify them as equal to, greater than or less than a right angle				