Maths Term Overview
Term 4, 2022

Student Task

Learning Intention & Success Criteria → Mini Lesson → Collaborative/Independent Student Work → Stop Reflect Refine → Collaborative/Independent Student Work → Share Feedback Reflect

The proficiency strands **Understanding, Fluency, Problem Solving and Reasoning** are an integral part of the Maths curriculum across the three content strands: Number & Algebra, Measurement & Geometry and Statistics & Probability The four processes will continue to be embedded across each term.

	Number & Algebra	Measurement & Geometry	Statistics & Probability
Foundation	Establish understanding of the language and processes of counting by naming numbers in sequences, initially to and from 20, moving from any starting point (VCMNA069) Compare, order and make correspondences between collections, initially to 20, and explain reasoning (VCMNA072) Represent practical situations to model addition and subtraction (VCMNA073) Represent practical situations to model sharing (VCMNA074)	Use direct and indirect comparisons to decide which is heavier or holds more, and explain reasoning in everyday language (VCMMG078)	Recognise unpredictability and uncertainty of some events. VCMSP083
Year 1	Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero (VCMNA086) Recognise, model, read, write and order numbers to at least 100. Locate these numbers on a number line (VCMNA087) Count collections to 100 by partitioning numbers using place value (VCMNA088) Represent and solve simple addition and subtraction problems using a range of strategies including counting on, partitioning and rearranging parts (VCMNA089) Represent practical situations that model sharing (VCMNA090) Recognise and describe one-half as one of two equal parts of a whole (VCMNA091) Investigate and describe number patterns formed by skip counting and patterns with objects (VCMNA093) Recognise the importance of repetition of a process in solving problems (VCMNA094)	Measure and compare the lengths, masses and capacities of pairs of objects using uniform informal units (VCMMG095) Tell time to the half-hour (VCMMG096) Describe duration using months, weeks, days and hours (VCMMG097) Recognise and classify familiar two-dimensional shapes and three-dimensional objects using obvious features (VCMMG098)	Identify outcomes of familiar events involving chance and describe them using everyday language such as 'will happen', 'won't happen' or 'might happen' (VCMSP100)
Year 2	• Recognise and represent multiplication as repeated addition, groups and arrays (VCMNA108) • Recognise and represent division as grouping into equal sets and solve simple problems using these representations (VCMNA109) • Recognise and interpret common uses of halves, quarters and eighths of shapes and collections (VCMNA110)	• Compare masses of objects using balance scales (VCMMG116) • Tell time to the quarter-hour, using the language of 'past' and 'to' (VCMMG117)	Identify practical activities and everyday events that involve chance. Describe outcomes as 'likely' or 'unlikely' and identify some events as 'certain' or 'impossible' (VCMSP125)
Year 3	Recall multiplication facts of two, three, five and ten and related division facts (VCMNA134) Represent and solve problems involving multiplication using efficient mental and written strategies and appropriate digital technologies (VCMNA135) Model and represent unit fractions including 1/2, 1/4, 1/3, 1/5 and their multiples to a complete whole (VCMNA136)	Identify angles as measures of turn and compare angle sizes in everyday situations (VCMMG146)	Conduct chance experiments, identify and describe possible outcomes and recognise variation in results (VCMSP147)
Year 4	Apply place value to partition, rearrange and regroup numbers to at least tens of thousands to assist calculations and solve problems (VCMNA153) Investigate number sequences involving multiples of 3, 4, 6, 7, 8, and 9 (VCMNA154) Recall multiplication facts up to 10 × 10 and related division facts (VCMNA155) Develop efficient mental and written strategies and use appropriate digital technologies for multiplication and for division where there is no remainder (VCMNA156) Investigate equivalent fractions used in contexts (VCMNA157) Count by quarters, halves and thirds, including with mixed numerals. Locate and represent these fractions on a number line (VCMNA158) Recognise that the place value system can be extended to tenths and hundredths. Make connections between fractions and decimal notation (VCMNA159)	Compare angles and classify them as equal to, greater than or less than a right angle (VCMMG174)	Describe possible everyday events and order their chances of occurring (VCMSP175) Identify everyday events where one cannot happen if the other happens (VCMSP176) Identify events where the chance of one will not be affected by the occurrence of the other (VCMSP177)

Year 5		Identify and describe factors and multiples of whole numbers and use them to solve problems (VCMNA181) Use estimation and rounding to check the reasonableness of answers to calculations (VCMNA182) Solve problems involving multiplication of large numbers by one- or two-digit numbers using efficient mental, written strategies and appropriate digital technologies (VCMNA183) Solve problems involving division by a one digit number, including those that result in a remainder (VCMNA184) Use efficient mental and written strategies and apply appropriate digital technologies to solve problems (VCMNA185) Recognise, represent and order numbers to at least hundreds of thousands (VCMNA186) Compare and order common unit fractions and locate and represent them on a number line (VCMNA187) Investigate strategies to solve problems involving addition and subtraction of fractions with the same denominator (VCMNA188) Describe, continue and create patterns with fractions, decimals and whole numbers resulting from addition and subtraction (VCMNA192) Use equivalent number sentences involving multiplication and division to find unknown quantities (VCMNA193) Follow a mathematical algorithm involving branching and repetition (iteration) (VCMNA194)	Apply the enlargement transformation to familiar two dimensional shapes and explore the properties of the resulting image compared with the original (VCMMG201)	Pose questions and collect categorical or numerical data by observation or survey (VCMSP205) Describe and interpret different data sets in context (VCMSP207)
Year 6		Continue and create sequences involving whole numbers, fractions and decimals. Describe the rule used to create the sequence (VCMNA219) Explore the use of brackets and order of operations to write number sentences (VCMNA220) Design algorithms involving branching and iteration to solve specific classes of mathematical problems (VCMNA221) Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers and make estimates for these computations (VCMNA209)	Investigate the effect of combinations of transformations on simple and composite shapes, including creating tessellations, with and without the use of digital technologies (VCMMG229) Introduce the Cartesian coordinate system using all four quadrants (VCMMG230) Convert between common metric units of length, mass and capacity (VCMMG223)	Construct, interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables (VCMSP235) Interpret secondary data presented in digital media and elsewhere (VCMSP236) Pose and refine questions to collect categorical or numerical data by observation or survey (VCMSP237)

**Progression may differ slightly