Individual Assessment Overview Year 6+

Name: _____ Class: _____ Year: _____

Note: Record date and notes in the spaces provided.

Unit	AC Strand/Sub-strand/Content description/Code	Student Assess. Page	ATC	Future Planning/Notes
Unit 1 Powers and Square Numbers	**Number and Algebra** *Number and place value* Investigate index notation and represent whole numbers as products of powers of prime numbers (ACMNA149) AC Investigate and use square roots of perfect square numbers (ACMNA150) AC	p. 23	ATC 6+.1	
Unit 2 Place Value and Laws of Computation	**Number and Algebra** *Number and place value* Apply the associative, commutative and distributive laws to aid mental and written computation (ACMNA151) AC	p. 31	ATC 6+.2	
Unit 3 Measurement (Area and Volume)	**Measurement and Geometry** *Using units of measurement* Establish the formulas for areas of rectangles, triangles and parallelograms and use these in problem solving (ACMMG159) AC Calculate volumes of rectangular prisms (ACMMG160) AC	p. 39	ATC 6+.3	
Unit 4 Fractions	**Number and Algebra** *Real numbers* Compare fractions using equivalence. Locate and represent positive and negative fractions and mixed numbers on a number line (ACMNA152) AC Solve problems involving addition and subtraction of fractions, including those with unrelated denominators (ACMNA153) AC Multiply and divide fractions and decimals using efficient written strategies and digital technologies (ACMNA154) AC Express one quantity as a fraction of another, with and without the use of digital technologies (ACMNA155) AC	p. 47	ATC 6+.4	
Unit 5 Decimals, Fractions and Percentages	**Number and Algebra** *Real numbers* Connect fractions, decimals and percentages and carry out simple conversions (ACMNA157) AC	p. 55	ATC 6+.5	
Unit 6 Patterns and Algebra	**Number and Algebra** *Patterns and algebra* Introduce the concept of variables as a way of representing numbers using letters (ACMNA175) AC Create algebraic expressions and evaluate them by substituting a given value for each variable (ACMNA176) AC Extend and apply the laws and properties of arithmetic to algebraic terms and expressions (ACMNA177) AC	p. 63	ATC 6+.6	
Unit 7 Data Representation	**Statistics and Probability** *Data representation and interpretation* Identify and investigate issues involving numerical data collected from primary and secondary sources (ACMSP169) AC Construct and compare a range of data displays including stem-and-leaf plots and dot plots (ACMSP170) AC	p. 71	ATC 6+.7	

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Unit 8 Percentages	**Number and Algebra** *Real numbers* Find percentages of quantities and express one quantity as a percentage of another, with and without digital technologies (ACMNA158) AC Recognise and solve problems involving simple ratios (ACMNA173) AC	p. 79	ATC 6+.8	
Unit 9 Prisms and Solids	**Measurement and Geometry** *Shape* Draw different views of prisms and solids formed from combinations of prisms (ACMMG161) AC	p. 87	ATC 6+.9	
Unit 10 Transformation and Symmetry	**Measurement and Geometry** *Location and transformation* Describe translations, reflections in an axis, and rotations of multiples of 90° on the Cartesian plane using coordinates. Identify line and rotational symmetries (ACMMG181) AC	p. 95	ATC 6+.10	
Unit 11 Linear and Non-Linear Relationships	**Number and Algebra** *Linear and non-linear relationships* Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point (ACMNA178) AC Solve simple linear equations (ACMNA179) AC	p. 103	ATC 6+.11	
Unit 12 Chance	**Statistics and Probability** *Chance* Construct sample spaces for single-step experiments with equally likely outcomes (ACMSP167) AC Assign probabilities to the outcomes of events and determine probabilities for events (ACMSP168) AC	p. 111	ATC 6+.12	
Unit 13 Angles and Parallel Lines	**Measurement and Geometry** *Geometric reasoning* Identify corresponding, alternate and co-interior angles when two straight lines are crossed by a transversal (ACMMG163) AC Investigate conditions for two lines to be parallel and solve simple numerical problems using reasoning (ACMMG164) AC	p. 119	ATC 6+.13	
Unit 14 Triangles and Angles	**Measurement and Geometry** *Geometric reasoning* Demonstrate that the angle sum of a triangle is 180° and use this to find the angle sum of a quadrilateral (ACMMG166) AC Classify triangles according to their side and angle properties and describe quadrilaterals (ACMMG165) AC	p. 127	ATC 6+.14	
Unit 15 Mean, Median and Mode	**Statistics and Probability** *Data representation and interpretation* Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data (ACMSP171) AC Describe and interpret data displays using median, mean and range (ACMSP172) AC	p. 135	ATC 6+.15	

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