Mathseeds Prime Lessons and the NSW Syllabus 2022

YEAR 4				Prime Lessons	Printable Resources	Additional Resources
Stand	Substrand	Code	Outcome	Online Lessons with Assessments (Strand.Unit.Lesson)	Lesson Summary, Worksheets, Answers	Student book & Teacher book
NUMBER AND ALGEBRA	Representing numbers using place value B	MA2-RN-01	applies an understanding of place value and the role of zero to represent numbers to at least tens of thousands	NUMBER Unit 4 Numbers to 100 000: Lesson 1, 2, 3, 4 Problem Solving Activity: More, more, more NUMBER Unit 5 Numbers and Decimals: Lesson 1		Year 4 Numbers, Fractions and Decimals
		MA2-RN-02	represents and compares decimals up to 2 decimal places using place value	NUMBER Unit 5 Numbers and Decimals: Lesson 2, 3, 4 Problem Solving Activity: First and Last FRACTION Unit 4 Decimal Fractions: Lesson 2, 3, 4 Problem Solving Activity: Fraction Robot		
	Additive relations B	MA2-AR-01	selects and uses mental and written strategies for addition and subtraction involving 2- and 3-digit numbers	OPERATIONS Unit 7 Addition and Subtraction Strategies 2: Lesson 1, 2, 3, 4 Problem Solving Activity: A Magic Square OPERATIONS Unit 8 Addition and Subtraction Algorithms: Lesson 1, 2, 3 Problem Solving Activity: Problem Algorithms OPERATIONS Unit 12 Operations with Odd and Even Numbers: Lesson 1 OPERATIONS Unit 14 Word Problems: Lesson 3 Problem Solving Activity: Wolf vs Rabbit		Year 4 Operations and Algebra
		MA2-AR-02	completes number sentences involving addition and subtraction by finding missing values			
	Multiplicative relations B	MA2-MR-01	represents and uses the structure of multiplicative relations to 10 × 10 to solve problems	OPERATIONS Unit 9 Multiplication Thinking: Lesson 1, 2, 3, 4 Problem Solving Activity: How Many Cookies? OPERATIONS Unit 10 Multiplication Strategies: Lesson 1, 2, 3 Problem Solving Activity: Bug Racing OPERATIONS Unit 11 Division Strategies: Lesson 1, 2, 3 Problem Solving Activity: Okapi Operations OPERATIONS Unit 12 Operations with Odd and Even Numbers: Lesson 2, 3, 4, Problem Solving Activity: An Age Old Problem OPERATIONS Unit 13 Multiplication Patterns: Lesson 1, 2, 3 Problem Solving Activity: Timing Is Everything OPERATIONS Unit 14 Word Problems: Lesson 1, 2		
		MA2-MR-02	completes number sentences involving multiplication and division by finding missing values			
	Partitioned fractions B	MA2-PF-01	represents and compares halves, quarters, thirds and fifths as lengths on a number line and their related fractions formed by halving (eighths, sixths and tenths)	FRACTIONS Unit 2 Counting Fractions: Lesson 1, 2, 3, 4 Problem Solving Activity: Woolly Thinking FRACTIONS Unit 3 Equivalent Fractions: Lesson 1, 2, 3 Problem Solving Activity: Reward Cards FRACTIONS Unit 4 Decimal Fractions: Lesson 1		Year 4 Numbers, Fractions and Decimals
MEASUREMENT AND SPACE	Geometric measure B	MA2-GM-01	uses grid maps and directional language to locate positions and follow routes	GEOMETRY Unit 8 Maps: Lesson 1, 2, 3 Problem Solving Activity: Delivery Route		Year 4 Geometry
		MA2-GM-03	identifies angles and classifies them by comparing to a right angle	GEOMETRY Unit 7 Angles: Lesson 1, 2, 3 Problem Solving Activity: Equation Angles		
	Two-dimensional spatial structure B	MA2-2DS-01	compares two-dimensional shapes and describes their features	GEOMETRY Unit 5 Shapes and Objects: Lesson 1, 2		
		MA2-2DS-02	performs transformations by combining and splitting two-dimensional shapes	GEOMETRY Unit 5 Shapes and Objects: Lesson 1, 2 Problem Solving Activity: Tangram Puzzles GEOMETRY Unit 6 Shape Movements: Lesson 1, 2, 3 Problem Solving Activity: Symmetrical Designs		
	Three-dimensional spatial structure B	MA2-3DS-01	makes and sketches models and nets of three-dimensional objects including prisms and pyramids	GEOMETRY Unit 5 Shapes and Objects: Lesson 3, 4		