Western Australian Curriculum (2025)

PRE-PRIMARY

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	**Substrands**	**Outcomes**	**Online Lesson, Printable Resources, & Problem Solving Tasks**	**End-of-lesson Quiz**	**Critical Thinking and Problem Solving Interactives**	**Driving Tests (DT) Mental Minute (MM)**	**Printable Achievement Standards Assessment**
Number and algebra	Understanding number	Say, read, write and order numbers up to 20, from any starting point. Count collections up to 20.	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 24, 25, 28, 30, 31, 32, 33, 34, 36, 40, 41, 43, 45, 46, 47, 48, 49, 50		12, 34, 41, 43, 46	**DT** Early Number 1–25	**Kindergarten Number** Tests 1–4, 6
		Subitise, partition and compare small collections.					
		Explore grouping and sharing of small collections.				**DT** Early Operations 8, 21	
	Patterns and relationships	Copy and continue repeating patterns in everyday environments using a range of materials, sounds and movement.	27, 37		6, 8, 15, 23, 27, 37	**DT** Early Patterns 1–9	**Kindergarten Number** Test 6
	Financial mathematics	Explore making purchases using coins, notes, and debit cards.					**Kindergarten Number** Test 5
	Modelling with number	Explore and represent familiar real-world situations involving adding, removing, grouping or sharing small collections using role-play or concrete materials.	21, 24, 25, 30, 31, 32, 34, 36, 40, 47, 48, 49, 50		19, 30, 47	**DT** Early Operations 1–25	**Kindergarten Operations** Tests 1–4
Measurement and geometry	Two-dimensional space and structures	Sort, name and represent familiar two-dimensional shapes and recognise them within the environment.	4, 6, 8, 9, 15, 23, 27, 37		6, 15, 23, 31, 34, 36, 40	**DT** Early Geometry 1–8, 12, 19, 20 **DT** Early Patterns 3, 4, 7	**Kindergarten Geometry** Tests 1, 3, 4
		Explore and compare the length of everyday items to say which is longer and explain reasoning.	13, 26			**DT** Early Measurement 2, 3, 5, 6, 9, 10	**Kindergarten Measurement** Tests 1–3
		Show and describe position and movement in familiar locations.				**DT** Early Geometry 9–11, 13, 14	**Kindergarten Geometry** Tests 5, 6
	Three-dimensional space and structures	Explore familiar three-dimensional objects in the environment.	35, 44			**DT** Early Geometry 15–23	**Kindergarten Geometry** Tests 2, 3
		Explore capacity and compare containers to say which holds more and explain reasoning.	38		38	**DT** Early Measurement 15, 16, 20	**Kindergarten Measurement** Test 5
	Non-spatial measurement	Explore mass and compare everyday items to say which is heavier.	29			**DT** Early Measurement 11, 12	**Kindergarten Measurement** Test 4
		Sequence days of the week and times of the day, making connections to routines, and compare duration of familiar events using everyday language.	39, 42			**DT** Early Measurement 1, 4, 13, 14, 17–19	**Kindergarten Measurement** Tests 6, 7
Probability and statistics	Statistics	Collect, group and compare data using objects and images to make inferences.				**DT** Early Data 1–10	**Kindergarten Data** Tests 1, 2

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YEAR 1

Strand	Substrands	Outcomes	Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Number and algebra	Understanding number	Say, read, write and order numbers to 120 and recognise the repetition of the 0–9 sequence of digits. Skip count collections by twos, fives and tens from zero.	56, 60, 63, 67, 75, 77, 79, 81, 86, 90		56, 60, 63, 67, 75, 77, 79	**DT** Year 1 Number 1–24 **DT** Year 1 Patterns & Fractions 7–10	**Year 1 Number and Algebra: Whole Numbers** Tests 1–9 **Year 1 Number and Algebra: Patterns** Tests 1–7
		Explore different ways to represent and partition collections up to 100, including in groups of 10, using concrete materials.	60, 67, 75, 86, 88		75, 81, 88	**DT** Year 1 Number 9, 10, 19, 24	**Year 1 Number and Algebra: Place Value** Tests 1–6
		Explore partitions of numbers with small collections, using part-part-whole relationships.					
		Explore different ways to equally group or share small collections.	71, 74		71, 74		
		Recognise, describe and create a half by dividing a physical whole into two equal parts or a collection into two equal quantities.	61, 66			**DT** Year 1 Patterns & Fractions 3, 5, 6, 11, 13, 14	**Year 1 Number and Algebra: Fractions and Money** Tests 1–3, 7
	Patterns and relationships	Continue and create repeating patterns. Explore and label repeating patterns to show how many of each element is in a repeat unit (core).			63	**DT** Year 1 Patterns & Fractions 1, 2, 4, 7–10, 12	**Year 1 Number and Algebra: Patterns** Tests 2–7
	Calculating with number	Manipulate collections to add and subtract quantities to 20 and beyond, exploring a range of strategies.	51, 53, 56, 58, 65, 68, 72, 76, 85, 88, 91, 100		51, 53, 65, 68, 72, 76, 85, 91, 93	**DT** Year 1 Operations 1–29 **MM** Addition Sprints **MM** Subtraction Sprints	**Year 1 Number and Algebra: Operations** Tests 1–6
	Financial mathematics	Explore different payment formats and identify Australian coins and notes, according to their value.	64, 83, 92		83	**DT** Year 1 Measurement 3, 5–7, 12	**Year 1 Number and Algebra: Fractions and Money** Tests 4–8
	Modelling with number	Represent quantities and actions in real-world situations involving adding, taking away, sharing or equal groupings using role-play, concrete materials, drawings or numbers.	51, 53, 58, 68, 71, 72, 85, 88, 93		51, 53, 65, 71, 72, 74, 76, 85, 91		
		Describe the meaning of the representations and answers in context.					
Measurement and geometry	Two-dimensional space and structures	Name and classify familiar two-dimensional shapes based on sides and vertices using informal language.	52, 69		52, 69	**DT** Year 1 Geometry 1–3, 6, 9, 10, 13	**Year 1 Geometry: Shape** Tests 1, 2, 5, 6
		Directly and indirectly compare lengths, including by counting uniform informal units.	55, 84			**DT** Year 1 Measurement 2, 4, 13, 14	**Year 1 Measurement: Length and Capacity** Tests 1–5
		Give and follow directions within familiar locations.	57, 78, 94		57, 78, 94	**DT** Year 1 Geometry 4, 5, 11, 12, 14–16	**Year 1 Geometry: Shape** Tests 7, 8
	Three-dimensional space and structures	Recognise, sort and name familiar three-dimensional objects and identify the two-dimensional shapes that comprise them.	62, 99		62	**DT** Year 1 Geometry 7, 8, 17–19	**Year 1 Geometry: Shape** Tests 3–6
		Directly and indirectly compare the capacities of a pair of containers.	89			**DT** Year 1 Measurement 11, 17–19	**Year 1 Measurement: Length and Capacity** Tests 6, 7
	Non-spatial measurement	Directly compare the masses of two objects by hefting and using balance scales.	73				
		Read the time on digital clocks and make connections to routines. Explore and describe duration informally in years, months, weeks, days, hours, minutes and seconds.	54, 70, 87		87	**DT** Year 1 Measurement 1, 8–10, 15, 16	**Year 1 Measurement: Time** Tests 1–6
Probability and statistics	Probability	Describe and reason about the likelihood of familiar events occurring, using the everyday language of chance.	82		82	**DT** Year 1 Data 4, 5, 7, 8, 11	**Year 1 Statistics: Data** Test 6
	Statistics	Answer simple questions of interest by collecting and comparing categorical data using objects, pictures, tallies and numbers to record frequencies.	80, 97		80	**DT** Year 1 Data 1–3, 6, 9, 10, 12–16	**Year 1 Statistics: Data** Tests 1–5

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YEAR 2

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Strand	**Substrands**	**Outcomes**	**Online Lesson, Printable Resources, & Problem Solving Tasks**	**End-of-lesson Quiz**	**Critical Thinking and Problem Solving Interactives**	**Driving Tests (DT) Mental Minute (MM)**	**Printable Achievement Standards Assessment**
Number and algebra	Understanding number	Read, write and order numbers to at least 120, including on a number line. Recognise the repetition of the 0–99 sequence of digits, and the role of zero. Skip count forwards and backwards by twos, threes, fives and tens from any starting point.	101, 105, 106, 108, 117, 122, 129		105, 106, 108, 117	**DT** Year 2 Number 1–24	**Year 2 Number and Algebra: Numbers to 1000** Tests 1–7 **Year 2 Number and Algebra: Number Patterns** Tests 1–8
		Explore different ways to represent and partition two- and three-digit numbers, including in groups of 10 and 10 groups of 10 to make 100, using concrete materials, numbers and symbols.	101, 105, 106		105, 106		**Year 2 Number and Algebra: Numbers to 1000** Test 2, 5
		Explore the relationship between addition and subtraction with small collections, using part-part-whole knowledge, numbers and symbols.	103, 120, 124				
		Recall addition and subtraction facts to 10.	142		142	**MM** Addition Sprints **MM** Subtraction Sprints	**Year 2 Number and Algebra: Addition and Subtraction** Test 1
		Explore multiplication and division using repeated addition, equal grouping and arrays.	111, 113, 115, 130, 136		113, 115, 136	**DT** Year 2 Operations 6, 8–12, 19 **MM** Multiplication Sprints **MM** Division Sprints	**Year 2 Number and Algebra: Equal Groups** Tests 1–5
		Recognise, describe and create halves, quarters and eighths by repeatedly halving a physical whole or a collection.	66, 132, 138		132	**DT** Year 2 Patterns and Fractions 5, 11, 12, 14–17	**Year 2 Number and Algerba: Fractions and Money** Tests 1–4
	Understanding equalities and inequalities	Use the equality symbol to indicate the same value in number sentences involving addition and subtraction.	103, 110, 122, 131, 142				
	Patterns and relationships	Recognise and continue increasing or decreasing additive patterns with collections and numbers, and identify missing elements in a pattern.	117, 133, 137, 140		101, 133, 137	**DT** Year 2 Patterns and Fractions 1–4, 6–10, 13	**Year 2 Number and Algebra: Number Patterns** Test 8
	Calculating with number	Add and subtract one- and two-digit numbers, using a range of strategies.	95, 96, 98, 103, 110, 118, 120, 124, 129, 140, 142, 150		95, 96, 98, 100, 110, 118, 120, 124, 131, 142, 150	**DT** Year 2 Operations 1–5, 7, 13–18, 20–28	**Year 2 Number and Algebra: Addition and Subtraction** Tests 1–8
	Financial mathematics	Explore and describe the relationship between dollars ($) and cents (c) and their value in the contexts of spending, saving and donating.	125, 147		125, 131, 147	**DT** Year 2 Measurement 12	**Year 2 Number and Algerba: Fractions and Money** Tests 5–8
	Modelling with number	Identify and represent real-world situations involving addition, subtraction, simple multiplication or division using objects or diagrams labelled with numbers and symbols that match the actions in the situation. Interpret the meaning of answers in context.	103, 110, 111, 113, 115, 118, 120, 124, 129, 130, 131, 136, 137, 139, 141, 147, 150		104, 113, 115, 118, 120, 124, 130, 131, 136, 137, 139, 141, 150		**Year 2 Number and Algebra: Addition and Subtraction** Test 8
Measurement and geometry	Two-dimensional space and structures	Identify and draw two-dimensional shapes and describe their similarities and differences using spatial terms, including opposite, parallel, curved, straight and vertices.	119, 140, 145, 184		119, 145	**DT** Year 2 Geometry 4–6, 10	**Year 2 Geometry: Shape and Movement** Tests 1, 2, 5
		Estimate, measure and compare lengths, by choosing appropriate uniform informal units, and place end to end without gaps or overlaps.	104, 126, 140, 143		104, 141	**DT** Year 2 Measurement 6, 9, 11, 13, 15, 19, 21–24	**Year 2 Measurement: Informal Units** Tests 1, 2, 8
		Explore and directly compare the areas of two shapes by superimposing one over the other.	59, 112, 140, 149		59, 149	**DT** Year 2 Measurement 6	**Year 2 Measurement: Informal Units** Tests 3, 8
		Explore quarter-, half- and full-turns in everyday situations.	102		102	**DT** Year 2 Geometry 1, 9, 11, 1	**Year 2 Geometry: Shape and Movement** Tests 6, 7
		Locate positions and pathways on simple maps of familiar locations.				**DT** Year 2 Geometry 2, 8, 13	**Year 2 Geometry: Shape and Movement** Test 8
	Three-dimensional space and structures	Manipulate, visualise and name familiar three-dimensional objects, informally describe features and connect to common uses.	121		121	**DT** Year 2 Geometry 3, 5–7	**Year 2 Geometry: Shape and Movement** Tests 3–5
		Estimate, measure and compare the capacities of different containers using uniform informal units.	116, 140		140	**DT** Year 2 Measurement 8	**Year 2 Measurement: Informal Units** Tests 4, 5, 8
	Non-spatial measurement	Estimate and compare masses of objects using balance scales and uniform informal units.	135		135	**DT** Year 2 Measurement 17, 18	**Year 2 Measurement: Informal Units** Tests 6–8
		Tell time to the hour, half- and quarter-hour, on analogue and digital clocks. Identify the date and determine the duration between two events in days using a calendar.	109, 114, 123, 127		109	**DT** Year 2 Measurement 1–5, 7, 10, 14, 16, 20	**Year 2 Measurement: Time** Tests 1–5
Probability and statistics	Probability	Classify familiar events involving chance as being ‘possible’ or ‘impossible’ and using the everyday language of chance to compare the likelihood of them happening.	107			**DT** Year 2 Data and Chance 2, 3, 6	**Year 2 Statistics: Data** Test 7
	Statistics	Describe and interpret real-life data represented in lists, tables and one-to-one block and picture graphs.	140, 143		143	**DT** Year 2 Data and Chance 1, 4, 5, 7–14	**Year 2 Statistics: Data** Tests 1–6
		Choose and answer simple questions of interest by collecting and comparing categorical data. Display data using lists, tables and one-to-one block and picture graphs.					

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YEAR 3

Strand	Substrands	Outcomes	Mathseeds Lesson #		
			Knowledge and Skills	Assessment	Higher Order Thinking Skills
			Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives
Number and algebra	Understanding number	Read, write and order numbers to at least four-digits, including on a number line. Recognise the repetition of the 0–999 sequence of digits.	151, 156, 166		151, 161
		Explore different ways to represent and partition numbers up to four-digits, including groups of 10 (tens), 10 groups of 10 (hundreds) and beyond, using concrete materials and number sentences. Recognise that the value of a digit is determined by its place in a numeral.	156, 161, 170		156, 161, 170
		Represent and explain the relationship between addition and subtraction, using part-part-whole models and number sentences.	163		163
		Explore the relationship between multiplication and division, using diagrams, arrays and number sentences.	155, 158, 165, 168, 176, 181, 186, 190, 199		168 , 176, 181
		Recall multiplication facts of 2, 3, 4, 5 and 10, and related division facts.	158, 165, 168, 171, 176, 181, 199		
		Recognise, represent and describe unit fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$. Combine unit fractions with the same denominator to create a complete whole.	160, 175, 180, 191, 197		175, 180, 191, 197
	Understanding equalities and inequalities	Explore and use the greater than, less than and equality symbols to compare two whole numbers and statements involving addition and subtraction.	122, 151, 156, 161		
	Patterns and relationships	Create and represent increasing or decreasing additive patterns from any starting point, using concrete materials and numbers, and describe rules to represent the pattern.	153, 195		153, 195
	Calculating with number	Add and subtract two- and three-digit numbers, using a range of strategies.	128, 134, 144, 146, 148, 170, 173, 178, 195		128, 134, 144, 146, 148, 173, 178
		Explore additive estimation strategies to evaluate the reasonableness of a calculation in familiar contexts.	129, 194		194
	Financial mathematics	Investigate financial transactions, recognising equivalent values and change.	159		159
	Modelling with number	Identify and represent a range of real-world addition and subtraction situations with part-part-whole models, and multiplication and division situations with arrays. Write number sentences to reach a solution and interpret in context.	128, 134, 144, 146, 148, 155, 158, 163, 168, 170, 171, 173, 176, 178, 183, 186, 188, 190, 192, 193, 196, 199		128, 134, 144, 146, 148, 168, 176, 178, 183, 186, 188, 193, 196, 199
Measurement and geometry	Two-dimensional space and structures	Explore one-step slides (translations) and flips (reflections) of familiar two-dimensional shapes, make connections to line symmetry and describe the movement of the shape.	102, 152		102
		Estimate, measure and order lengths in uniform units, including millimetres, centimetres and metres.	182, 192, 198		182
		Compare the areas of two shapes indirectly, using uniform informal units, without gaps and overlaps.	157, 200		200
		Identify angles as measures of turn between two lines that intersect and directly compare angle sizes in everyday situations.	177		
		Create and interpret simple maps to show positions and pathways, considering the relative position of key features.	164		
	Three-dimensional space and structures	Visualise and make models of three-dimensional objects. Compare and classify objects according to the key features of faces, edges and vertices.	169		
		Measure and order capacity in uniform units, including millilitres. Estimate larger capacities using a litre container.	154		154
	Non-spacial measurement	Compare objects to common benchmarks, including 100 g, 250 g, half and one kilogram.	172		172
		Tell the time in minutes using analogue and digital clocks. Describe duration in hours, minutes and seconds and identify the relationship between them.	162, 179, 185, 189		179, 185, 189
Probability and statistics	Probability	Describe familiar events using the language of chance. Identify and list possible outcomes of everyday chance events.	167		
		Recognise the likelihood of outcomes for planned, equally likely, repeated chance experiments. Conduct the experiments and recognise variation in the results.			
	Statistics	Describe and interpret real-life data represented in dot plots and column graphs with scale intervals of one.	174, 187, 198		187
		In a real-world context, explore questions of interest by collecting categorical or discrete numerical data through observation or surveys. Organise and represent data in dot plots, tables and column graphs and interpret to answer a question.			