



Mathseeds Lessons and the NSW Syllabus



EARLY STAGE 1

Strand	Substrands	Outcomes	Code	Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Number and Algebra	Whole Numbers	counts to 30, and orders, reads and represents numbers in the range 0 to 20	MAe-4NA	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 31, 33, 41, 43, 45, 46, 48, 50		12, 19, 41	DT Early Number 1-25	Kindergarten Number Tests 1-6
	Addition and Subtraction	combines, separates and compares collections of objects, describes using everyday language, and records using informal methods	MAe-5NA	24, 30, 32, 34, 36, 40, 47, 49		30, 34, 36, 40, 43, 47	DT Early Operations 1-7, 9-20, 22-25 MM Addition Sprints MM Subtraction Sprints	Kindergarten Operations Tests 1-4
	Multiplication and Division	groups, shares and counts collections of objects, describes using everyday language, and records using informal methods	MAe-6NA				DT Early Operations 8, 21	
	Patterns and Algebra	recognises, describes and continues repeating patterns	MAe-8NA	8, 27, 37		6, 8, 15, 23, 27, 31, 37, 38, 40, 46	DT Early Patterns 1-9	Kindergarten Number Test 6
Measurement and Geometry	Length	describes and compares lengths and distances using everyday language	MAe-9MG	26			DT Early Measurement 5, 6, 9, 10	Kindergarten Measurement Tests 1 & 2
	Area	describes and compares areas using everyday language	MAe-10MG	13			DT Early Measurement 2, 3	Kindergarten Measurement Test 3
	Volume and Capacity	describes and compares the capacities of containers and the volumes of objects or substances using everyday language	MAe-11MG	38			DT Early Measurement 15, 16, 20	Kindergarten Measurement Test 5
	Mass	describes and compares the masses of objects using everyday language	MAe-12MG	29			DT Early Measurement 7, 8, 11, 12	Kindergarten Measurement Test 4
	Time	sequences events, uses everyday language to describe the durations of events, and reads hour time on clocks	MAe-13MG	39, 42			DT Early Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6 & 7
	Three-Dimensional Space	manipulates, sorts and represents three-dimensional objects and describes them using everyday language	MAe-14MG	35, 44			DT Early Geometry 15-23	Kindergarten Geometry Tests 2 & 3
	Two-Dimensional Space	manipulates, sorts and describes representations of two-dimensional shapes, including circles, triangles, squares and rectangles, using everyday language	MAe-15MG	4, 6, 9, 15, 23		6, 15, 23	DT Early Geometry 1-8, 12, 19, 20	Kindergarten Geometry Tests 1, 3 & 4
Statistics and Probability	Position	describes position and gives and follows simple directions using everyday language	MAe-16MG				DT Early Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5 & 6
	Data	represents data and interprets data displays made from objects	MAe-17SP				DT Early Data 1-10	Kindergarten Data Tests 1 & 2



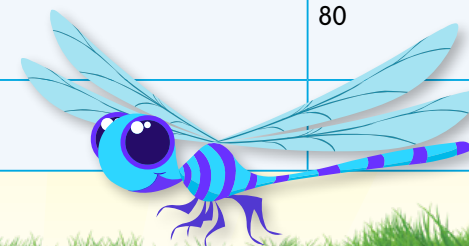


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STAGE 1 – YEAR 1

				Mathseeds Lesson #			Additional Mathseeds Resources	
Strand	Substrands	Outcomes	Code	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	Whole Numbers	applies place value, informally, to count, order, read and represent two- and three-digit numbers	MA1-4NA	56, 60, 63, 64, 67, 71, 75, 81, 83, 86, 88		60, 63, 67, 79, 81, 88, 95, 98	DT Year 1 Number 1-24 DT Year 1 Measurement 3, 5, 6, 7, 12	Year 1 Number and Algebra: Whole Numbers Tests 1-9 Year 1 Number and Algebra: Place Value Tests 1-6 Year 1 Number and Algebra: Fractions and Money Tests 4-8
	Addition and Subtraction	uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	MA1-5NA	51, 53, 58, 65, 68, 72, 76, 85, 88, 91, 92, 93, 95, 96, 98, 100		51, 53, 56, 65, 67, 68, 75, 76, 82, 83, 85, 88, 91, 93, 95, 96, 100	DT Year 1 Operations 1-20 MM Addition Sprints MM Subtraction Sprints	Year 1 Number and Algebra: Operations Tests 1-6
	Multiplication and Division	uses a range of mental strategies and concrete materials for multiplication and division	MA1-6NA	71, 74, 77, 79, 90		71, 74, 77, 79		
	Fractions and Decimals	represents and models halves, quarters and eighths	MA1-7NA	61, 66			DT Year 1 Patterns and Fractions 3, 5, 6, 11, 13, 14	Year 1 Number and Algebra: Fractions and Money Tests 1-3
	Patterns and Algebra	creates, represents and continues a variety of patterns with numbers and objects	MA1-8NA	77, 79, 90		52, 57, 62, 63, 72, 78, 82, 87, 93, 94	DT Year 1 Patterns and Fractions 1, 2, 4, 7-10, 12	Year 1 Number and Algebra: Patterns Tests 1-7
Measurement and Geometry	Length	measures, records, compares and estimates lengths and distances using uniform informal units, metres and centimetres	MA1-9MG	55, 84			DT Year 1 Measurement 2, 4, 13, 14	Year 1 Measurement: Length and Capacity Tests 1-5
	Area	measures, records, compares and estimates areas using uniform informal units	MA1-10MG	59		59		
	Volume and Capacity	measures, records, compares and estimates volumes and capacities using uniform informal units	MA1-11MG	89			DT Year 1 Measurement 11, 17-19	Year 1 Measurement: Length and Capacity Tests 6 & 7
	Mass	measures, records, compares and estimates the masses of objects using uniform informal units	MA1-12MG	73				
	Time	describes, compares and orders durations of events, and reads half- and quarter-hour time	MA1-13MG	54, 70, 87		87	DT Year 1 Measurement 1, 8-10, 15, 16	Year 1 Measurement: Time Tests 1-6
	Three-Dimensional Space	sorts, describes, represents and recognises familiar three-dimensional objects, including cones, cubes, cylinders, spheres and prisms	MA1-14MG	62, 99			DT Year 1 Geometry 7, 8, 17-19	Year 1 Geometry: Shape Tests 3-6
	Two-Dimensional Space	manipulates, sorts, represents, describes and explores two-dimensional shapes, including quadrilaterals, pentagons, hexagons and octagons	MA1-15MG	52, 69		69	DT Year 1 Geometry 1-3, 6, 9, 10, 13	Year 1 Geometry: Shape Tests 1 & 2, 5 & 6
	Position	represents and describes the positions of objects in everyday situations and on maps	MA1-16MG	57, 78, 94			DT Year 1 Geometry 4, 5, 11, 12, 14-16	Year 1 Geometry: Shape Tests 7 & 8
Statistics and Probability	Data	gathers and organises data, displays data in lists, tables and picture graphs, and interprets the results	MA1-17SP	80, 97		80	DT Year 1 Data 1-4, 6, 9, 10, 12-16	Year 1 Statistics: Data Tests 1-5
	Chance	recognises and describes the element of chance in everyday events	MA1-18SP	82			DT Year 1 Data 5, 7, 8, 11	Year 1 Statistics: Data Test 6





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STAGE 1 – YEAR 2

				Mathseeds Lesson #			Additional Mathseeds Resources	
Strand	Substrands	Outcomes	Code	Knowledge and Skills Online Lesson, Printable Resources, & Problem Solving Tasks	Assessment End-of-lesson Quiz	Higher Order Thinking Skills Critical Thinking and Problem Solving Interactives	Fluency Driving Tests (DT) Mental Minute (MM)	Assessment Printable Achievement Standards Assessment
Number and Algebra	Whole Numbers	applies place value, informally, to count, order, read and represent two- and three-digit numbers	MA1-4NA	101, 105, 106, 108, 117, 122, 129, 133, 137, 140		101, 105, 106	DT Year 2 Number 1-24 DT Year 2 Measurement 9, 11, 12, 23, 24	Year 2 Number and Algebra: Numbers to 1000 Tests 1-7 Year 2 Number and Algebra: Fractions and Money Tests 5-7
	Addition and Subtraction	uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	MA1-5NA	103, 108, 110, 118, 120, 124, 125, 128, 131, 134, 139, 142, 144, 146, 147, 148, 150		105, 110, 113, 118, 120, 124, 125, 128, 130, 131, 134, 135, 137, 139, 140, 141, 142, 143, 144, 146, 147, 148, 149, 150	DT Year 2 Operations 1-5, 7, 13-18, 20-28 MM Addition Sprints MM Subtraction Sprints	Year 2 Number and Algebra: Addition and Subtraction Tests 1-8 Year 2 Number and Algebra: Fractions and Money Test 8
	Multiplication and Division	uses a range of mental strategies and concrete materials for multiplication and division	MA1-6NA	111, 113, 115, 130, 136		113, 118, 124, 130, 134, 136, 137, 139, 143, 148, 149	DT Year 2 Operations 6, 8-12, 19 MM Multiplication Sprints	Year 2 Number and Algebra: Equal Groups Tests 1-5
	Fractions and Decimals	represents and models halves, quarters and eighths	MA1-7NA	132, 138			DT Year 2 Patterns and Fractions 5, 11, 12, 14-17	Year 2 Number and Algebra: Fractions and Money Tests 1-4
	Patterns and Algebra	creates, represents and continues a variety of patterns with numbers and objects	MA1-8NA	117, 118, 131, 133, 137		102, 117, 120, 132, 133, 137, 142	DT Year 2 Patterns and Fractions 1-4, 6-10, 13	Year 2 Number and Algebra: Number Patterns Tests 1-8
Measurement and Geometry	Length	measures, records, compares and estimates lengths and distances using uniform informal units, metres and centimetres	MA1-9MG	104, 126, 141, 143		141	DT Year 2 Measurement 6, 13-15, 21, 22	Year 2 Measurement: Informal Units Tests 1, 2 & 8
	Area	measures, records, compares and estimates areas using uniform informal units	MA1-10MG	112, 149			DT Year 2 Measurement 6	Year 2 Measurement: Informal Units Tests 3 & 8
	Volume and Capacity	measures, records, compares and estimates volumes and capacities using uniform informal units	MA1-11MG	116			DT Year 2 Measurement 8	Year 2 Measurement: Informal Units Tests 4, 5 & 8
	Mass	measures, records, compares and estimates the masses of objects using uniform informal units	MA1-12MG	135			DT Year 2 Measurement 18, 19	Year 2 Measurement: Informal Units Tests 6-8
	Time	describes, compares and orders durations of events, and reads half- and quarter-hour time	MA1-13MG	109, 114, 123, 127		109	DT Year 2 Measurement 1-5, 7, 10, 16, 17, 20	Year 2 Measurement: Time Tests 1-5
	Three-Dimensional Space	sorts, describes, represents and recognises familiar three-dimensional objects, including cones, cubes, cylinders, spheres and prisms	MA1-14MG	121		121, 140	DT Year 2 Geometry 3, 5-7	Year 2 Geometry: Shape and Movement Tests 3-5
	Two-Dimensional Space	manipulates, sorts, represents, describes and explores two-dimensional shapes, including quadrilaterals, pentagons, hexagons and octagons	MA1-15MG	102, 119, 145		102, 104, 106, 108, 115, 119, 133, 145	DT Year 2 Geometry 1, 4-7, 9, 10, 12	Year 2 Geometry: Shape and Movement Tests 1 & 2, 5-7
Statistics and Probability	Position	represents and describes the positions of objects in everyday situations and on maps	MA1-16MG				DT Year 2 Geometry 2, 8, 11, 13	Year 2 Geometry: Shape and Movement Test 8
	Data	gathers and organises data, displays data in lists, tables and picture graphs, and interprets the results	MA1-17SP	137, 143			DT Year 2 Data 1, 4, 5, 7-14	Year 2 Statistics: Data Tests 1-6
	Chance	recognises and describes the element of chance in everyday events	MA1-18SP	107			DT Year 2 Data 2, 3, 6	Year 2 Statistics: Data Test 7





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STAGE 2 – YEAR 3



Strand	Substrands	Outcomes	Code	Mathseeds Lesson #			Additional Mathseeds Resources
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency
Number and Algebra	Whole Numbers	applies place value to order, read and represent numbers of up to five digits	MA2-4NA	151, 156, 161, 194		151, 153, 156, 161, 194, 199	
	Addition and Subtraction	uses mental and written strategies for addition and subtraction involving two-, three-, four- and five-digit numbers	MA2-5NA	159, 163, 170, 173, 178, 183		154, 159, 163, 170, 172, 178, 182, 183, 188, 193, 195, 196	MM Addition Sprints MM Subtraction Sprints
	Multiplication and Division	uses mental and informal written strategies for multiplication and division	MA2-6NA	155, 158, 165, 168, 171, 176, 181, 186, 190, 193, 196, 199		153, 168, 176, 181, 186, 188, 193, 196, 199	MM Multiplication Sprints MM Division Sprints
	Fractions and Decimals	represents, models and compares commonly used fractions and decimals	MA2-7NA	160, 175, 180, 191, 197		175, 180, 191, 197	
	Patterns and Algebra	generalises properties of odd and even numbers, generates number patterns, and completes simple number sentences by calculating missing values	MA2-8NA	153, 166, 188, 195		153, 168, 170, 173, 187, 188, 193, 194, 195, 199	
Measurement and Geometry	Length	measures, records, compares and estimates lengths, distances and perimeters in metres, centimetres and millimetres	MA2-9MG	182, 192, 198			
	Area	measures, records, compares and estimates areas using square centimetres and square metres	MA2-10MG	157, 200		200	
	Volume and Capacity	measures, records, compares and estimates volumes and capacities using litres, millilitres and cubic centimetres	MA2-11MG	154			
	Mass	measures, records, compares and estimates the masses of objects using kilograms and grams	MA2-12MG	172			
	Time	reads and records time in one-minute intervals and converts between hours, minutes and seconds	MA2-13MG	162, 179, 185, 189		179, 181, 185, 189, 200	
	Three-Dimensional Space	makes, compares, sketches and names three-dimensional objects, including prisms, pyramids, cylinders, cones and spheres, and describes their features	MA2-14MG	169			
	Two-Dimensional Space	manipulates, identifies and sketches two-dimensional shapes, including special quadrilaterals, and describes their features	MA2-15MG	152, 184			
	Angles	identifies, describes, compares and classifies angles	MA2-16MG	177			
	Position	uses simple maps and grids to represent position and follow routes, including using compass directions	MA2-17MG	164			
Statistics and Probability	Data	selects appropriate methods to collect data, and constructs, compares, interprets and evaluates data displays, including tables, picture graphs and column graphs	MA2-18SP	174, 187, 198			
	Chance	describes and compares chance events in social and experimental contexts	MA2-19SP	167			

