

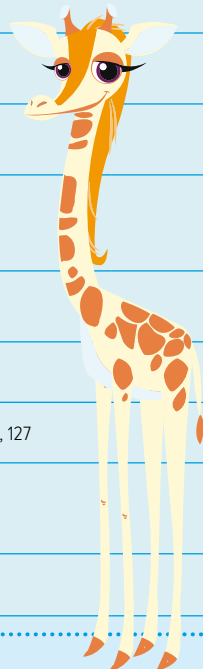
NSW Syllabus Comparison Chart • Early Stage 1 • Kindergarten								Mathseeds Lesson #	
NSW Mathematics K–10 Syllabus (2012)				NSW Mathematics K–2 Syllabus (2023)				Knowledge and Skills	Assessment
Strand	Substrands	Outcomes	Code	Strand	Substrands	Outcomes	Code	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz
Number and Algebra	Whole Numbers	counts to 30, and orders, reads and represents numbers in the range 0 to 20.	MAe-4NA	Number and Algebra	Representing whole numbers	Demonstrates an understanding of how whole numbers indicate quantity. Reads numerals and represents whole numbers to at least 20.	MAE-RWN-01 MAE-RWN-02	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	
	Addition and Subtraction	combines, separates and compares collections of objects, describes using everyday languag, and records using informal methods.	MAe-5NA		Combining and separating quantities	Reasons about number relations to model addition and subtraction by combining and separating, and comparing collections. Represents the relations between the parts that form the whole, with numbers up to 10.	MAE-CSQ-01 MAE-CSQ-02	24, 30, 32, 34, 36, 40, 47, 49	
	Patterns and Algebra	recognises, describes and continues repeating patterns.	MAe-8NA		Forming groups	Recognises, describes and continues repeating patterns.	MAE-FG-01	8, 27, 37	
	Multiplication and Division	groups, shares and counts collections of objects, describes using everyday language, and records using informal methods.	MAe-6NA			Forms equal groups by sharing and counting collections of objects.	MAE-FG-02	71	
Measurement and Geometry	Position	describe position and gives and follows simple directions using everyday language.	MAe-16MG	Measurement and Space	Geometric measure: Position	Describe position and gives and follows simple directions.	MAE-GM-01	57, 63	
	Length	describes and compares length and distances using everyday language.	MAe-9MG		Geometric measure: Length	Describes and compares lengths.	MAE-GM-02	26	
						Identifies half the length and the halfway point.	MAE-GM-03	61	
	Two-dimensional Space	manipulates, sorts and describes representations of two-dimensional shapes, including circles, triangles, squares and rectangles, using everyday language.	MAe-15MG		Two dimensional spatial structure: 2D Shapes	Sorts, describes, names and makes two-dimensional shapes, including triangles, circles, squares and rectangles.	MAE-2DS-01	4, 6, 9, 15, 23	
	Area	describes and compares areas using everyday language.	MAe-10MG		Two dimensional spatial structure: Area	Describes and compares areas of similar shapes.	MAE-2DS-02	13	
	Three-dimensional Space	manipulates, sorts and represents three-dimensional objects and describes them using everyday language.	MAe-14MG		Three dimensional spatial structure: 3D objects	Manipulates, describes and sorts three-dimensional objects	MAE-3DS-01	35, 44	
	Volume and Capacity	describes and compares the capacities of containers and the volumes of objects or substances using everyday language.	MAe-11MG		Three dimensional spatial structure: Volume	Describes and compares volumes.	MAE-3DS-02	38	
	Mass	describes and compares the masses of objects using everyday language.	MAe-12MG		Non-spatial measure: Mass	Describes and compares the masses of objects.	MAE-NSM-01	29	
	Time	sequences events, uses everyday language to describe the durations of events, and reads hour time on clocks.	MAe-13MG	Non-spatial measure: Time	Sequences events and reads hour time on clocks.	MAE-NSM-02	39, 42		
Statistics and Probability	Data	represents data and interprets data displays made from objects.	MAe-17SP	Statistics and Probability	Data	Contributes to collecting data and interprets data displays made from objects.	MAE-DATA-01	80	





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								Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz
Number and Algebra	Whole Numbers 1	applies place value, informally, to count, order, read and represent two- and three-digit numbers	MA1-4NA	Number and Algebra	Representing whole numbers A	Applies an understanding of place value and the role of zero to read, write and order two-and three-digit numbers. Reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values.	MA1-RWN-01 MA1-RWN-02	56, 60, 67, 75, 77, 79, 81, 86, 88, 90, 108, 129	
	Addition and Subtraction 1	uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	MA1-5NA		Combining and separating quantities A	Uses number bonds and the relationship between addition and subtraction to solve problems involving partitioning.	MA1-CSQ-01	51, 53, 58, 65, 68, 72, 76, 85, 88, 91, 92, 93, 95, 96, 98, 100	
	Multiplication and Division 1	uses a range of mental strategies and concrete materials for multiplication and division	MA1-6NA		Forming groups A	Uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems.	MA1-FG-01	71, 74, 77, 79, 90	
	Patterns and Algebra 1	creates, represents and continues a variety of patterns with numbers and objects	MA1-8NA			Uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems. (Count in multiples using rhythmic and skip counting, Use skip counting patterns)		61, 66	
	Fractions and Decimals 1	represents and models halves, quarters and eighths	MA1-7NA			Uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems. (Use concrete materials to model a half of a collection and show the relation between the half and the whole)		77, 79, 90	
Measurement and Geometry	Length 1	measures, records, compares and estimates lengths and distances using uniform informal units, metres and centimetres.	MA1-9MG	Measurement and Space	Geometric measure A: Length	Creates and recognises halves, quarters and eighths as part measures of a whole length.	MA1-GM-03	61, 66	
	Position 1	represents and describes the positions of objects in everyday situations and on maps	MA1-16MG			Measures, records, compares and estimates lengths and distances using uniform informal units, as well as metres and centimetres.	MA1-GM-02	55, 84	
	Two-dimensional Space 1	manipulates, sorts, represents, describes and explores two-dimensional shapes, including quadrilaterals, pentagons, hexagons and octagons	MA1-15MG		Geometric measure A: Position	Represents and describes the positions of objects in familiar locations.	MA1-GM-01	78, 94	
	Area 1	measures, records, compares and estimates areas using uniform informal units	MA1-10MG		Two-dimensional spatial structure A: 2D shapes	Recognises, describes and represents shapes including quadrilaterals and other common polygons.	MA1-2DS-01	52, 119, 145	
	Three-dimensional Space 1	sorts, describes, represents and recognises familiar three-dimensional objects, including cones, cubes, cylinders, spheres and prisms	MA1-14MG		Two-dimensional spatial structure A: Area	Measures and compares areas using uniform informal units in rows and columns.	MA1-2DS-02	59	
	Volume and Capacity 1	measures, records, compares and estimates volumes and capacities using uniform informal units	MA1-11MG		Three-dimensional spatial structure A: 3D objects	Recognises, describes and represents familiar three-dimensional objects.	MA1-3DS-01	62, 99	
	Mass 1	measures, records, compares and estimates the masses of objects using uniform informal units	MA1-12MG		Three-dimensional spatial structure A: Volume	Measures, records, compares and estimates internal volumes (capacities) and volumes using uniform informal units.	MA1-3DS-02	89	
	Time 1	describes, compares and orders durations of events, and reads half- and quarter-hour time	MA1-13MG		Non-spatial measure A: Mass	Measures, records, and compares and estimates the masses of objects using uniform informal units.	MA1-NSM-01	73	
Statistics and Probability	Data 1	gathers and organises data, displays data in lists, tables and picture graphs, and interprets the results	MA1-17SP	Statistics and Probability	Data A	Gathers and organises data, displays data in lists, tables and picture graphs. Reasons about representations of data to describe and interpret the results.	MA1-DATA-01 MA1-DATA-02	80, 97	
	Chance 1	recognises and describes the element of chance in everyday events	MA1-18SP		Chance A	Recognises and describes the element of chance in everyday events.	MA1-CHAN-01	82	



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Number and Algebra	Whole Numbers 2	applies place value, informally, to count, order, read and represent two- and three-digit numbers	MA1-4NA	Number and Algebra	Representing whole numbers B	Applies an understanding of place value and the role of zero to read, write and order two-and three-digit numbers. Reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values.	MA1-RWN-01 MA1-RWN-02	101, 105, 106	
	Addition and Subtraction 2	uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	MA1-5NA		Combining and separating quantities B	Uses number bonds and relationship between addition and subtraction to solve problems involving partitioning.	MA1-CSQ-01	103, 110, 118, 120, 124, 128, 131, 134, 139, 142, 148, 150	
	Patterns and Algebra 2	creates, represents and continues a variety of patterns with numbers and objects	MA1-8NA			Uses number bonds and relationship between addition and subtraction to solve problems involving partitioning. (Represent a constant difference between pairs of numbers)			
	Multiplication and Division 2	uses a range of mental strategies and concrete materials for multiplication and division	MA1-6NA		Forming groups B	Uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems.	MA1-FG-01	108, 111, 113, 115, 130, 136	
	Fractions and Decimals 2	represents and models halves, quarters and eighths	MA1-7NA			Uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems. (Re-create the whole given half, Use concrete materials to model a half, a quarter or an eighth of a collection)		132, 138	
Measurement and Geometry	Length 2	measures, records, compares and estimates lengths and distances using uniform informal units, metres and centimetres	MA1-9MG	Measurement and Space	Geometric measure B: Length	Creates and recognises halves, quarters and eighths as part measures of a whole length.	MA1-GM-03	132, 138	
	Position 2	represents and describes the positions of objects in everyday situations and on maps	MA1-16MG			Measures, records, compares and estimates lengths and distances using uniform informal units, as well as metres and centimetres.	MA1-GM-02	104, 126, 141, 143	
	Two-dimensional Space 2	manipulates, sorts, represents, describes and explores two-dimensional shapes, including quadrilaterals, pentagons, hexagons and octagons	MA1-15MG		Geometric measure B: Position	Represents and describes the positions of objects in familiar locations.	MA1-GM-01	78, 94	
	Area 2	measures, records, compares and estimates areas using uniform informal units	MA1-10MG		Two-dimensional spatial structure B: 2D shapes	Recognises, describes and represents including quadrilaterals and other common polygons.	MA1-2DS-01	69, 102	
	Three-dimensional Space 2	sorts, describes, represents and recognises familiar three-dimensional objects, including cones, cubes, cylinders, spheres and prisms	MA1-14MG		Two-dimensional spatial structure B: Area	Measures and compares areas using uniform informal units in rows and columns.	MA1-2DS-02	112, 149	
	Volume and Capacity 2	measures, records, compares and estimates volumes and capacities using uniform informal units	MA1-11MG		Three-dimensional spatial structure B: 3D objects	Recognises, describes and represents familiar three-dimensional objects.	MA1-3DS-01	121	
	Mass 2	measures, records, compares and estimates the masses of objects using uniform informal units	MA1-12MG		Three-dimensional spatial structure B: Volume	Measures, records, compares and estimates interval volumes (capacities) and volumes using uniform informal units.	MA1-3DS-02	116	
	Time 2	describes, compares and orders durations of events, and reads half- and quarter-hour time	MA1-13MG		Non-spatial measure B: Mass	Measures, records, compares and estimates the masses of objects using uniform informal units.	MA1-NSM-01	135	
					Non-spatial measure B: Time	Describes, compares and orders durations of events, and reads half- and quarter-hour time.	MA1-NSM-02	109, 114, 123, 127	
Statistics and Probability	Data 2	gathers and organises data, displays data in lists, tables and picture graphs, and interprets the results	MA1-17SP	Statistics and Probability	Data B	Gathers and organises data, displays data in lists, tables and picture graphs. Reasons about representations of data to describe and interpret the results.	MA1-DATA-01 MA1-DATA-02	137, 143	
	Chance 2	recognises and describes the element of chance in everyday events	MA1-18SP		Chance B	Recognises and describes the element of chance in everyday events.	MA1-CHAN-01	107	

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Number and Algebra	Whole numbers 1	applies place value to order, read and represent numbers of up to five digits	MA2-4NA	Number and Algebra	Representing numbers using place value A	Applies an understanding of place value and the role of zero to represent numbers to at least tens of thousands.	MA2-RN-01	151, 156, 161, 194	
	Addition and Subtraction 1	uses mental and written strategies for addition and subtraction involving two-, three-, four- and five-digit numbers	MA2-5NA		Additive relations A	Selects and uses mental and written strategies for addition and subtraction involving 2- and 3-digit numbers. Completes number sentences involving addition and subtraction by finding missing values.	MA2-AR-01 MA2-AR-02	64, 83, 125, 144, 146, 147, 153, 159, 163, 170, 173, 178, 183, 188, 195	
	Multiplication and Division 1	uses mental and informal written strategies for multiplication and division	MA2-6NA		Multiplicative relations A and B	Represents and uses the structure of multiplicative relations to 10×10 to solve problems. Completes number sentences involving multiplication and division by finding missing values.	MA2-MR-01 MA2-MR-02	155, 158, 165, 166, 168, 171, 176, 181, 186, 188, 190, 193, 196, 199	
	Patterns and Algebra 1	generalises properties of odd and even numbers, generates number patterns, and completes simple number sentences by calculating missing values	MA2-8NA			Represents and uses the structure of multiplicative relations to 10×10 to solve problems. (Generate and describe patterns)			
	Fractions and Decimals 1	represents, models and compares commonly used fractions and decimals	MA2-7NA		Partitioned fractions A and B	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).	MA2-PF-01	160, 175, 180, 191, 197	
Measurement and Geometry	Position 1	uses simple maps and grids to represent position and follow routes, including using compass directions	MA2-17MG	Measurement and Space	Geometric measure A: Position	Uses grid maps and directional language to locate positions and follow routes	MA2-GM-01	164	
	Length 1	measures, records, compares and estimates lengths, distances and perimeters in metres, centimetres and millimetres, and measures, compares and records temperatures	MA2-9MG		Geometric measure A and B: Length	Measures and estimates lengths in metres, centimetres and millimetres.	MA2-GM-02	182, 192	
	Angles 1	identifies, describes, compares and classifies angles	MA2-16MG		Geometric measure A: Angle	Identifies angles and classifies them by comparing to a right angle.	MA2-GM-03	177	
	Two-dimensional Space 1	manipulates, identifies and sketches two-dimensional shapes, including special quadrilaterals, and describes their features	MA2-15MG		Two-dimensional spatial structure A: 2D Shapes	Compares two-dimensional shapes and describes their features. Performs transformations by combining and splitting two-dimensional shapes.	MA2-2DS-01 MA2-2DS-02	152, 184	
	Area 1	measures, records, compares and estimates areas using square centimetres and square metres	MA2-10MG		Two-dimensional spatial structure A: Area	Estimates, measures and compares areas using square centimetres and squares metres.	MA2-2DS-03	157, 200	
	Three-dimensional Space 1	makes, compares, sketches and names three-dimensional objects, including prisms, pyramids, cylinders, cones and spheres, and describes their features	MA2-14MG		Three-dimensional spatial structure A: 3D Objects	Makes and sketches models and nets of three-dimensional objects including prisms and pyramids.	MA2-3DS-01	169	
	Volume and Capacity 1	measures, records, compares and estimates volumes and capacities using litres, millilitres and cubic centimetres	MA2-11MG		Three-dimensional spatial structure A: Volume	Estimates, measures and compares capacities (internal volumes) using litres, millilitres and volumes using cubic centimetres.	MA2-3DS-02	154	
	Mass 1	measures, records, compares and estimates the masses of objects using kilograms and grams	MA2-12MG		Non-spatial measure A: Mass	Estimates, measures and compares the masses of objects using kilograms and grams.	MA2-NSM-01	172	
	Time 1	reads and records time in one-minute intervals and converts between hours, minutes and seconds	MA2-13MG		Non-spatial measure A: Time	Represents and interprets analog and digital time in hours, minutes and seconds.	MA2-NSM-02	162, 179, 185, 189	
Statistics and Probability	Data 1	selects appropriate methods to collect data, and constructs, compares, interprets and evaluates data displays, including tables, picture graphs and column graphs	MA2-18SP	Statistics and Probability	Data A	Collects discrete data and constructs graphs using a given scale. Interprets data in tables, dot plots and column graphs.	MA2-DATA-01 MA2-DATA-02	174, 187, 198	
	Chance 1	describes and compares chance events in social experimental contexts	MA2-19SP		Chance A	Records and compares the results of chance experiments.	MA2-CHAN-01	167	