# Australian Signpost Maths NSW Year 1 (S1) Syllabus Map

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| **Strand** | **Sub-strand** | **NSW Outcome** | **Content Description** | **ASM NSW 1 Lessons** | **Mathology Little Book/s** |
| Number and algebra | Representing Whole Numbers A | **MA1-RWN-01**: applies an understanding of place value and the role of zero to read, write and order two- and three- digit numbers | Use counting sequences of ones with two-digit numbers and beyond. | 1A-B Number revision1C Numbers to 203A Numbers 11 to 203B Numbers to 204A Numbers to 2010B Larger numbers11A Numbers to 10013A-B Numbers to 12019D Finding the nearest 1020C Numbers to 10022A Numbers to 120 | ***On Safari!How Many Is Too Many?Ways to CountWhat Would You Rather?The Great Dogsled Race*** |
| Continue and create number patterns | ***On Safari!Midnight and SnowfallThe Best Surprise*** |
| **MA1-RWN-02**: reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values. | Represent numbers on a line | 10B Larger numbers11A Numbers to 10019A Place value19B Numbers to 10019C Place value |  |
| Represent the structure of groups of ten in whole numbers | ***At the Corn Farm*** |
| Number and algebra | Combining and Separating Quantities A | **MA1-CSQ-01**: uses number bonds and the relationships between addition and subtraction to solve problems involving partitioning. | Use advanced count-by-ones strategies to solve addition and subtraction problems | 2A Adding two groups2B Addition sentences2C Combinations up to 104B Friends of 105A Addition facts5B Partitioning6A Groups of 106B Counting by tens6C Counting by 10s7A-B Subtraction8A Odd and even numbers8B Addition to 209A-B Counting on10A Addition to 2011B Subtraction to 2012A Addition sentences12B Addition12C Addition by counting on14A-B Subtraction15A-B Counting back15C Subtraction16A Doubles16B Doubling and near doubling17B Combinations for numbers18A Differences18B Differences between groups20A Subtraction by counting on20B Number relationships29A Looking for tens29B-C Relating addition and subtraction30A Bridging to 1030B Bridging to 10s31C Counting back32A Using partitioning32B Using partitioning to add | ***That's 10!Hockey TimeCats and KittensBuy 1, Get 1Nutty and Wolfy*** |
| Recognise and recall number bonds up to ten | ***That's 10!Lots of DotsDan's Doggy Daycare*** |
| Use flexible strategies to solve addition and subtraction problems | ***Hockey TimeBuy 1, Get 1*** |
| Represent equality | ***That's 10!Hockey timeCats and KittensBuy 1, Get 1Nutty and Wolfy*** |
| Number and algebra | Forming Groups A | **MA1-FG-01**: 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 | 17A Patterns21A Equal groups21B Using groups22B Skip counting patterns23A Equal groups23B Using groups24A Skip counting24B Number patterns25A Number patterns25B Counting by 2s, 5s and 10s26A Half of a group26B Halves27A-B Sharing28A Grouping to share28B How many groups? | ***How Many is Too Many?Ways to CountWhat Would You Rather?*** |
| Use skip counting patterns | ***Ways to CountHow Many is Too Many?What Would You Rather?Array's Bakery*** |
| Model and use equal groups of objects to represent multiplication | ***How Many is Too Many?Ways to CountWhat Would You Rather?Family Fun DayArray's BakeryMarbles, Alleys, Mibs and Guli*** |
| Recognise and represent division | ***Marbles, Alleys, Mibs, Guli!Array's BakerySports CampThe Best Birthday*** |
| Measurement and space | Geometric Measure A | **MA1-GM-01**: represents and describes the positions of objects in familiar locations | Position: Follow directions to familiar locations. | 4C-D Position language27D Giving directions31D Left and right32D Following directions | ***Memory Book*** |
| **MA1-GM-02**: measures, records, compares and estimates lengths and distances using uniform, informal units, as well as metres and centimetres. | Length: Measure the lengths of objects using uniform informal units. | 8C Units of length8D Informal units of length10C Informal units of length10D Measuring length | ***Animal MeasuresThe Amazing Seed*** |
| Length: Compare lengths using uniform informal units. | ***Animal MeasuresThe Amazing Seed*** |
| **MA1-GM-03**: creates and recognises halves, quarters and eighths as part measures of a whole length. | Length: Subdivide lengths to find halves and quarters. | 22D Halves and quarters23C Halves and quarters | ***The Best Birthday*** |
| Measurement and space | Two- dimensional (2D) spatial structure A | **MA1-2DS-01**: recognises, describes and represents shapes including quadrilaterals and other common polygons. | 2D Shapes: Recognise and classify shapes using obvious features. | 1D Shapes and patterns13C The hexagon18C The pentagon and octagon18D Comparing areas23D Symmetry25C 2D Shapes25D Properties of shapes30 D Reflecting a shape31B Sliding a shape | ***Memory BookWhat Was Here?The Tailor ShopI Spy Awesome Buildings*** |
| 2D Shapes: Transform shapes with slides and reflections | ***The Tailor ShopGallery Tour*** |
| **MA1-2DS-02**: measures and compares areas using uniform informal units in rows and columns | Area: Indirectly compare area. | 28C Comparing areas28D Area using units | ***The Discovery*** |
| Area: Measure areas using uniform informal units. | ***The Discovery*** |
| Measurement and space | Three-dimensional (3D) spatial structure A | **MA1-3DS-01**: recognises, describes and represents familiar three-dimensional objects | 3D Objects: Recognise familiar three-dimensional objects. | 2D Identifying objects7C 3D objects7D Objects in our world17C Object hunt17D Recognising 3D objects27C The cube | ***The Castle WallMemory BookWhat Was Here?I Spy Awesome Buildings*** |
| 3D Objects: Sort and describe three-dimensional objects. | ***What Was Here?Memory BookI Spy Awesome Buildings*** |
| **MA1-3DS-02**: measures, records, compares and estimates internal volumes (capacities) and volumes using uniform informal units | Volume: Measure and compare the internal volumes (capacities) of containers by filling. | 11C Comparing capacities11D Informal units of capacity12D Comparing capacities21C Informal units of volume21D Comparing volume22C Volume | ***The Amazing Seed*** |
| Volume: Measure the internal volume (capacity) of containers by packing. |  |
| Volume: Construct volume using cubes |  |
| Measurement and space | Non-spatial measure A | **MA1-NSM-01**: measures, records, compares and estimates the masses of objects using uniform informal units | Mass: Investigate mass using an equal-arm balance. | 14C Comparing the mass of objects14D Mass29D Comparing mass |  |
| **MA1-NSM-02**: describes, compares and orders durations of events, and reads half- and quarter- hour time. | Time: Name and order the cycle of months. | 16C Months of the year16D Months and seasons24C Months of the year26C Calendar26D The calendar |  |
| Time: Tell time to the half hour. | 3C Analog time3D Digital and analog time5C-D Half past9C Analog and digital time9D Digital and analog time |  |
| Statistics and probability | Data A | **MA1-DATA-01**: gathers and organises data, displays data in lists, tables and picture graphs | Ask questions and gather data. | 15D Data displays24D Gather and organise data30C Using coins in a data display33A Gather and organise data | ***Graph It!*** |
| **MA1-DATA-02**: reasons about representations of data to describe and interpret the results | Represent data with objects and drawings and describe the displays. | 60 Data displays13D Picture graphs15D Data displays30C Using coins in a data display | ***Graph It!*** |
| Statistics and probability | Chance A | **MA1-CHAN-01**: recognises and describes the element of chance in everyday events | Identify and describe possible outcomes | 20D Chance words32C Chance |  |