# Australian Signpost Maths NSW Year 2 (S1) Syllabus Map

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| **Strand** | **Sub-strand** | **NSW Outcome** | **Content Description** | **ASM NSW 2 Lessons** | **Mathology Little Book/s** |
| Number and algebra | Representing Whole Numbers B | **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 and tens flexibly | 1D Modelling numbers  12B Australian money  16A Numbers to 150  16B Numbers to 1000  17A-B Numbers to 1000  18A Numbers to 1000  18B Number patterns  19A Number patterns  19B Counting by tens  20A Numbers  20B Rounding to the nearest ten  25A Rounding to the nearest 1000 | ***At the Corn Farm Fantastic Journeys Finding Buster How Numbers Work*** |
| **MA1-RWN-02**: reasons about representations of whole numbers to 1000, partitioning numbers to use and record quantity values. | Form, regroup and rename three-digit numbers | 1D Modelling numbers  16A Numbers to 150  16B Numbers to 1000  17A-B Numbers to 1000  18A Numbers to 1000 | ***Fantastic Journeys Finding Buster How Numbers Work*** |
| Number and algebra | Combining and Separating Quantities B | **MA1-CSQ-01**: uses number bonds and the relationship between addition and subtraction to solve problems involving partitioning. | Represent and reason about additive relations | 1A Combinations to 10  1B Subtraction to 10  2A Addition  2B-C Addition to 20  3A Doubling and near doubling  4A Subtraction  4B Subtraction to 20  5A Addition to 20  5B Addition by looking for tens  8A Subtraction to 20  8B Differences  9A-B Linking addition and subtraction  10A How many more?  11A Adding 10s  11B Adding and subtracting 10s  12A Inverse operations  21A Value of coins  21B Money  22A Amounts to $2  22B Value of coins  23A-B Building to the next 10  24A-B Split strategy (addition)  25B Building to the next 10  27A Jump strategy (addition)  27B Jump strategy (subtraction)  28A Jump strategy  32A-B Choosing a strategy  33A Related problems  33B Inverse strategy, subtraction  34A Money  35C Problem solving with addition | ***Family Fun Day A Class Full of Projects The Money Jar The Great Dogsled Race Marbles, Alleys, Mibs and Guli Sports Camp*** |
| Form multiples of ten when adding and subtracting two-digit numbers | ***Family Fun Day A Class Full of Projects The Money Jar Gran's Damper*** |
| Use knowledge of equality to solve related problems | ***The Money Jar The great Dogsled Race Gran's Damper*** |
| Number and algebra | Forming Groups B | **MA1-FG-01**: uses the structure of equal groups to solve multiplication problems, and shares or groups to solve division problems. | Represent and explain multiplication as the combining of equal groups | 3B-C Sharing  6A Sharing and grouping  6B Groups and rows  7A Groups and rows  7B Problem solving  12C Halves/quarters  12D Fractions of a group  13A-B Equal groups  14A Using skip counting  14B Number lines  15A Using arrays  15B Arrays  15C Problem solving  26A Using rows  26B Using groups  26C Adding columns  28B Jump strategy  29A-B Doubling and halving  30A-B Problem solving  31A Repeated subtraction  35D Problem solving with groups | ***Array's Bakery Sports Camp*** |
| Model doubling and halving with fractions | ***The Best Birthday*** |
| Represent multiplication and division problems | ***Array's Bakery Sports Camp Marbles, Alleys, Mibs, Guli!*** |
| Measurement and space | Geometric Measure B | **MA1-GM-01**: represents and describes the positions of objects in familiar locations | Position: Explore simple maps of familiar locations. | 1C Position words  27C Giving directions  30D Following instructions  35A Giving directions | ***The Memory Book Robo*** |
| **MA1-GM-02**: measures, records, compares and estimates lengths and distances using uniform, informal units, as well as metres and centimetres. | Length: Compare and order lengths, using appropriate uniform informal units. | 9C Informal units of length  9D Informal units of length  16C Informal units of length  17D The metre  18C Centimetres  18D Measuring with centimetres | ***Getting Ready for School The Discovery*** |
| Length: Recognise and use formal units to measure the lengths of objects. | ***Getting Ready for School The Discovery*** |
| **MA1-GM-03**: creates and recognises halves, quarter and eighths as part measures of a whole length. | Length: Repeatedly halve lengths to form eighths. | 28C Eighths of a length  31B Fractions of a whole  31C Fractions  31D Metres and centimetres |  |
| Measurement and space | Two- dimensional (2D) spatial structure B | **MA1-2DS-01**: recognises, describes and represents shapes including quadrilaterals and other common polygons. | 2D Shapes: Represent, combine and separate two-dimensional shapes. | 3D 2D shapes  7C Features of 2D shapes  7D Drawing 2D shapes  Combine and separate shapes  35B More shapes | ***WONDERful Buildings The Tailor Shop Gallery Tour*** |
| 2D Shapes: Identify and describe the orientation of shapes using quarter turns. | 25C-D Turning a shape  32C Quarter turns  32D Half and quarter turns | ***The Tailor Shop Gallery Tour*** |
| **MA1-2DS-02**: measures and compares areas using uniform informal units in rows and columns | Area: Compare rectangular areas using uniform square units of an appropriate size in rows and columns. | 19C Comparing areas  19D Area  20C Area using informal units  20D Area of a rectangle  30C Combine and separate shapes | ***The Discovery*** |
| Measurement and space | Three-dimensional (3D) spatial structure B | **MA1-3DS-01**: recognises, describes and represents familiar three-dimensional objects | 3D Objects: Describe the features of three-dimensional objects. | 5C Looking at 3D objects  5D Describing 3D objects  22C Prisms and cylinders  22D 3D objects  26D The cube  33C Describing 3D objects  33D 3D objects | ***I Spy Awesome Buildings Memory book Wonderful Buildings*** |
| **MA1-3DS-02**: measures, records, compares and estimates internal volumes (capacities) and volumes using uniform informal units | Volume: Compare containers based on internal volume (capacity) by filling and packing. | 10B Volume and capacity  11C Ordering capacities  23C Volume  23D Comparing volume  34D Comparing objects |  |
| Volume: Compare volumes using uniform informal units. |  |
| Measurement and space | Non-spatial measure B | **MA1-NSM-01**: measures, records, compares and estimates the masses of objects using uniform informal units | Mass: Compare the masses of objects using an equal-arm balance. | 8C Balance scales  8D Comparing masses  24C Ordering masses  24D Balance scales |  |
| **MA1-NSM-02**: describes, compares and orders durations of events, and reads half- and quarter- hour time. | Time: Describe duration using units of time. | 4C Ordinal numbers and calendars  4D The calendar  6C Revision of time  6D Estimating time passed  13C-D Analog time  14C Digital time  14D Analog time  21C Duration using hours  21D Duration using weeks  21C Duration of time |  |
| Time: Tell time to the quarter-hour using the language of 'past' and 'to'. |  |
| Statistics and probability | Data B | **MA1-DATA-01**: gathers and organises data, displays data in lists, tables and picture graphs | Identify a question of interest and gather relevant data. | 10C Using graphs  11D Lists, graphs and tables  16D Telling the story from data  27D Using tally marks  28D Making graphs  29D Gathering data  34C Gather and organise data | ***Big Buddy Days Marsh Watch*** |
| **MA1-DATA-02**: reasons about representations of data to describe and interpret the results | Create displays of data and interpret them. | 2D Thinking about graphs  10C Using graphs  11D Lists, graphs and tables  16D Telling the story from data  27D Using tally marks  28D Making graphs  29D Gathering data | ***Big Buddy Days Marsh Watch*** |
| Statistics and probability | Chance B | **MA1-CHAN-01**: recognises and describes the element of chance in everyday events | Identify and describe activities that involve chance. | 10D Chance  15D Chance  34B Possible outcomes |  |