# 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 numbers12B Australian money16A Numbers to 15016B Numbers to 100017A-B Numbers to 100018A Numbers to 100018B Number patterns19A Number patterns19B Counting by tens20A Numbers20B Rounding to the nearest ten25A Rounding to the nearest 1000 | ***At the Corn FarmFantastic JourneysFinding BusterHow 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 numbers16A Numbers to 15016B Numbers to 100017A-B Numbers to 100018A Numbers to 1000 | ***Fantastic JourneysFinding BusterHow 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 101B Subtraction to 102A Addition2B-C Addition to 203A Doubling and near doubling4A Subtraction4B Subtraction to 205A Addition to 205B Addition by looking for tens8A Subtraction to 208B Differences9A-B Linking addition and subtraction10A How many more?11A Adding 10s11B Adding and subtracting 10s12A Inverse operations21A Value of coins21B Money22A Amounts to $222B Value of coins23A-B Building to the next 1024A-B Split strategy (addition)25B Building to the next 1027A Jump strategy (addition)27B Jump strategy (subtraction)28A Jump strategy32A-B Choosing a strategy33A Related problems33B Inverse strategy, subtraction34A Money35C Problem solving with addition | ***Family Fun DayA Class Full of ProjectsThe Money JarThe Great Dogsled RaceMarbles, Alleys, Mibs and GuliSports Camp*** |
| Form multiples of ten when adding and subtracting two-digit numbers | ***Family Fun DayA Class Full of ProjectsThe Money JarGran's Damper*** |
| Use knowledge of equality to solve related problems | ***The Money JarThe great Dogsled RaceGran'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 Sharing6A Sharing and grouping6B Groups and rows7A Groups and rows7B Problem solving12C Halves/quarters12D Fractions of a group13A-B Equal groups14A Using skip counting14B Number lines15A Using arrays15B Arrays15C Problem solving26A Using rows26B Using groups26C Adding columns28B Jump strategy29A-B Doubling and halving30A-B Problem solving31A Repeated subtraction35D Problem solving with groups | ***Array's BakerySports Camp*** |
| Model doubling and halving with fractions | ***The Best Birthday*** |
| Represent multiplication and division problems | ***Array's BakerySports CampMarbles, 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 words27C Giving directions30D Following instructions35A Giving directions | ***The Memory BookRobo*** |
| **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 length9D Informal units of length16C Informal units of length17D The metre18C Centimetres18D Measuring with centimetres | ***Getting Ready for SchoolThe Discovery*** |
| Length: Recognise and use formal units to measure the lengths of objects. | ***Getting Ready for SchoolThe 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 length31B Fractions of a whole31C Fractions31D 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 shapes7C Features of 2D shapes7D Drawing 2D shapesCombine and separate shapes35B More shapes | ***WONDERful BuildingsThe Tailor ShopGallery Tour*** |
| 2D Shapes: Identify and describe the orientation of shapes using quarter turns. | 25C-D Turning a shape32C Quarter turns32D Half and quarter turns | ***The Tailor ShopGallery 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 areas19D Area20C Area using informal units20D Area of a rectangle30C 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 objects5D Describing 3D objects22C Prisms and cylinders22D 3D objects26D The cube33C Describing 3D objects33D 3D objects | ***I Spy Awesome BuildingsMemory bookWonderful 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 capacity11C Ordering capacities23C Volume23D Comparing volume34D 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 scales8D Comparing masses24C Ordering masses24D 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 calendars4D The calendar6C Revision of time6D Estimating time passed13C-D Analog time14C Digital time14D Analog time21C Duration using hours21D Duration using weeks21C 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 graphs11D Lists, graphs and tables16D Telling the story from data27D Using tally marks28D Making graphs29D Gathering data34C Gather and organise data | ***Big Buddy DaysMarsh 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 graphs10C Using graphs11D Lists, graphs and tables16D Telling the story from data27D Using tally marks28D Making graphs29D Gathering data | ***Big Buddy DaysMarsh 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 Chance15D Chance34B Possible outcomes |  |