# Australian Signpost Maths NSW Year K (ES 1) Syllabus Map

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| **Strand** | **Sub-strand** | **NSW Outcome** | **Content Description** | **ASM NSW K Lessons** | **Mathology Little Book/s** |
| Number and Algebra | Representing whole numbers | MAE-RWN-01: demonstrates an understanding of how whole numbers indicate quantity | Instantly name the number of objects within small collections | 1A Zero  1B The number one  1C The number two  2A the number three  2B The number four  2C The number five  3A Numbers to five  3B Counting to five  3C The number six  4A The number seven  4B Dot patterns  5A Same and not the same  6A The number eight  6B Comparing groups  7A The number nine  7B The number ten  8A Numbers to ten  8B Numbers to ten  9A Representing whole numbers  9B Numbers 11 and 12  11A Numbers 13 to 20  11B Numbers 11 to 20  13A Using five to form numbers  15A Ordering collections  21A Counting to 20  21B Comparing collections  24A Counting to 30 | ***Lots of Dots Acorns for Wilaya Spot Check*** |
| MAE-RWN-02: reads numerals and represents whole numbers to at least 20. | Uses the counting sequence of ones flexibly | 1A Zero  1B The number one  1C The number two  2A the number three  2B The number four  2C The number five  3A Numbers to five  3B Counting to five  3C The number six  4A The number seven  4B Dot patterns  5A Same and not the same  6A The number eight  6B Comparing groups  7A The number nine  7B The number ten  8A Numbers to ten  8B Numbers to ten  11A Numbers 13 to 20  11B Numbers 11 to 20  13A Using five to form numbers  15A Ordering collections  21A Counting to 20  21B Comparing collections  24A Counting to 30 | ***Animals Hide Dan's Doggy Daycare Acorns for Wilaya Time for Games Lets Play Waltes! On Safari! Paddling the River*** |
| Recognise number patterns | ***Lots of Dots Acorns for Wilaiya Spot Check*** |
| Connect counting and numerals to quantities | ***A Warm Cozy Nest Lots of Dots! Animals Hide Dan's Doggy Daycare Time for Games Let's Play Waltes! On Safari! Paddling the River At the Corn Farm*** |
| Number and Algebra | Combining and separating quantities | MAE-CSQ-01: reasons about number relations to model addition and subtraction by combining and separating, and comparing collections | Model additive relations and compare quantities | 10A-B Adding two groups  12A Addition  12B Adding two groups  13B Adding two groups  14B Adding groups  17A-B Adding groups  18A Taking objects away  19A-B Taking away  24B Adding on and counting back  25A-B Taking away  26A-B How many more?  27A How many more? | Lots of DotsDan's Doggy DaycareAnimals HideAcorns for WilayaLets Play Waltes!On Safari!Paddling the RiverThat's 10!Spot CheckTime for GamesAt the Corn FarmCats and KittensNutty and Wolfy |
| **MAE-CSQ-02:** represents the relations between the parts that form the whole, with numbers up to 10 | Identify part-whole relationships in numbers up to 10 | 20A Separating a number into parts  20B Separating a number into parts  29A Sharing in other ways | ***Lots of Dots Dan's Doggy Daycare Lets Play Waltes! That's 10! Paddling the River*** |
| Number and Algebra | Forming groups | **MAE-FG-01:** recognises, describes and continues repeating patterns | Copy, continue and create patterns | 16B Patterns using sounds and actions  19D Patterns | ***A Lot of Noise!*** |
| MAE-FG-02: forms equal groups by sharing and counting collections of objects | Investigate and form equal groups by sharing. | 22A Groups of equal size  22B Matching equal groups  23A Rearranging groups  23B Groups  27B Sharing  28A Sharing  28B Sharing among 3 or more | The Best Birthday |
| Record grouping and sharing |  |
| Measurement and space | Geometric measure | MAE-GM-01: describes position and gives and follows simple directions | Position: Describe position and movement of oneself | 8C Position  8D Language of location  16A Ordinal numbers  21D Left and right  25C Giving and following instructions  32A Location | ***The New Nest Zoom In, Zoom Out*** |
| **MAE-GM-02:** describes and compares lengths | Length: Use direct and indirect comparisons to decide which is longer. | 1D Long, short and tall  9C Longer and shorter  14C Comparing distances  14D Indirect comparison  19C Comparing two lengths  22D Length  29B Comparing lengths | ***To Be Long The Best in Show The Amazing Seed*** |
| MAE-GM-03: Identifies half the length and the halfway point | Length: Create half a length | 15B Halves  30A The halfway point  30B Halfway | ***The Best Birthday*** |
| Measurement and space | Two-dimensional (2D) spatial structure | MAE-2DS-01: sorts, describes, names and makes two-dimensional shapes, including triangles, circles, squares and rectangles. | 2D Shapes: Sort, describe and name familiar shapes. | 3D Curved and straight  4C Circles  5C Squares  6C Triangles  7C Rectangles  7D Cutting shapes  10C Shape pictures  20C Shapes  23C Shapes  27C Classifying 2D shapes  31A 2D shapes  32B Pattern blocks | ***The New Nest Zoom In, Zoom Out The Castle Wall*** |
| 2D Shapes: Represent shapes. | ***Zoom In, Zoom Out*** |
| MAE-2DS-02: describes and compares areas of similar shapes | Area: Identify and compare area | 18C Area  28C Comparison of areas  28D Comparing areas |  |
| Measurement and space | Three-dimensional (3D) spatial structure | **MAE-3DS-01:** manipulates, describes and sorts familiar three-dimensional objects | 3D Objects: Explore familiar three-dimensional objects | 11C Sorting objects  11D 3D objects  12C Rolling, sliding and stacking  17C Ball-shaped objects  17D Sorting objects  21C Cone-shaped objects  22C Box-shaped objects  24C Can-shaped objects  26C Stacking and packing  31C Describing objects in our world | ***The Castle Wall The New Nest*** |
| MAE-3DS-02: describes and compares volumes | Volume: Compare internal volume by filling and packing. | 5D Full, empty and half full  26D Volume  29C-D Comparing internal volumes  30C Comparing internal volumes  30D Volume using blocks | ***The Amazing Seed*** |
| Volume: Compare volume by building. |  |
| Measurement and space | Non-spatial measure | **MAE-NSM-01:** describes and compares the masses of objects | Mass:  Identify and compare mass using weight | 4D Heavy or light?  6D Comparison of Mass  24D Lighter or heavier | ***The Best in Show The Amazing Seed*** |
| **MAE-NSM-02:** sequences events and reads hour time on clocks | Time: Compare and order the duration of events using the language of time. | 9D Daytime and night-time  10D Morning and afternoon  13D Sequencing events in a day  15C Clocks  15D Telling the time  16C Using o’clock  16D Digital time  18D Days of the week  25D Sequencing events  27D Days of the week |  |
| Time:  Connect days of the week to familiar events and actions. |  |
| Time: Tell time on the hour on analog and digital clocks |  |
| Statistics | Data | **MAE-DATA-01:** contributes to collecting data and interprets data displays made from objects | Respond to questions, collect information and discuss possible outcomes of activities. | 2D Data  12D Using data displays  13C Using data displays  20D Data displays  23D Data displays  31B Using data displays  31D Recording the weather | ***Hedge and Hog*** |
| Organise objects into simple data displays and interpret the displays. | ***Hedge and Hog*** |