# 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 Zero1B The number one1C The number two2A the number three2B The number four2C The number five3A Numbers to five3B Counting to five3C The number six4A The number seven4B Dot patterns5A Same and not the same6A The number eight6B Comparing groups7A The number nine7B The number ten8A Numbers to ten8B Numbers to ten9A Representing whole numbers9B Numbers 11 and 1211A Numbers 13 to 2011B Numbers 11 to 2013A Using five to form numbers15A Ordering collections21A Counting to 2021B Comparing collections24A Counting to 30 | ***Lots of DotsAcorns for WilayaSpot Check*** |
| MAE-RWN-02: reads numerals and represents whole numbers to at least 20. | Uses the counting sequence of ones flexibly | 1A Zero1B The number one1C The number two2A the number three2B The number four2C The number five3A Numbers to five3B Counting to five3C The number six4A The number seven4B Dot patterns5A Same and not the same6A The number eight6B Comparing groups7A The number nine7B The number ten8A Numbers to ten8B Numbers to ten11A Numbers 13 to 2011B Numbers 11 to 2013A Using five to form numbers15A Ordering collections21A Counting to 2021B Comparing collections24A Counting to 30 | ***Animals HideDan's Doggy DaycareAcorns for WilayaTime for GamesLets Play Waltes!On Safari!Paddling the River*** |
| Recognise number patterns | ***Lots of DotsAcorns for WilaiyaSpot Check*** |
| Connect counting and numerals to quantities | ***A Warm Cozy NestLots of Dots!Animals HideDan's Doggy DaycareTime for GamesLet's Play Waltes!On Safari!Paddling the RiverAt 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 groups12A Addition12B Adding two groups13B Adding two groups14B Adding groups17A-B Adding groups18A Taking objects away19A-B Taking away24B Adding on and counting back25A-B Taking away26A-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 parts20B Separating a number into parts29A Sharing in other ways | ***Lots of DotsDan's Doggy DaycareLets 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 actions19D 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 size22B Matching equal groups23A Rearranging groups23B Groups27B Sharing28A Sharing28B 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 Position8D Language of location16A Ordinal numbers21D Left and right25C Giving and following instructions32A Location | ***The New NestZoom 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 tall9C Longer and shorter14C Comparing distances14D Indirect comparison19C Comparing two lengths22D Length29B Comparing lengths | ***To Be LongThe Best in ShowThe Amazing Seed*** |
| MAE-GM-03: Identifies half the length and the halfway point | Length: Create half a length | 15B Halves30A The halfway point30B 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 straight4C Circles5C Squares6C Triangles7C Rectangles7D Cutting shapes10C Shape pictures20C Shapes23C Shapes27C Classifying 2D shapes31A 2D shapes32B Pattern blocks | ***The New NestZoom In, Zoom OutThe 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 Area28C Comparison of areas28D 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 objects11D 3D objects12C Rolling, sliding and stacking17C Ball-shaped objects17D Sorting objects21C Cone-shaped objects22C Box-shaped objects24C Can-shaped objects26C Stacking and packing31C Describing objects in our world | ***The Castle WallThe New Nest*** |
| MAE-3DS-02: describes and compares volumes | Volume: Compare internal volume by filling and packing. | 5D Full, empty and half full26D Volume29C-D Comparing internal volumes30C Comparing internal volumes30D 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 Mass24D Lighter or heavier | ***The Best in ShowThe 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-time10D Morning and afternoon13D Sequencing events in a day15C Clocks15D Telling the time16C Using o’clock16D Digital time18D Days of the week25D Sequencing events27D 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 Data12D Using data displays13C Using data displays20D Data displays23D Data displays31B Using data displays31D Recording the weather | ***Hedge and Hog*** |
| Organise objects into simple data displays and interpret the displays. | ***Hedge and Hog*** |