

Firm Foundations Links with NZC Level 1

– Long term planning

Activity Group Number	Activity Group Title	Space, Shape and Measures Focus	Working towards NZC Level 1
A	Daily maths opportunities	No single focus	AO 1 Use a range of counting, grouping, and equal-sharing strategies with whole numbers and fractions. AO 2 Know the forward and backward counting sequences of whole numbers to 20. AO 3 Know groupings with five, within ten, and with ten. AO 4 Communicate and explain counting, grouping, and equal-sharing strategies, using words, numbers, and pictures. AO 5 Generalise that the next counting number gives the result of adding one object to a set and that counting the number of objects in a set tells how many.
B	Daily counting activities	No single focus	
1	Introducing Numicon Shapes	Size	AO 2 Know the forward and backward counting sequences of whole numbers to 10. AO 7 Order and compare objects or events by size by direct comparison and/or counting whole numbers of units.
2	Introducing number rods and ordering Numicon Shapes	Height and length	AO 2 Know the forward and backward counting sequences of whole numbers to 10. AO 7 Order and compare objects or events by length, by direct comparison and/or counting whole numbers of units.
3	Introducing Numicon Shape patterns and number rod trays	2D and 3D shapes	AO 2 Know the forward and backward counting sequences of whole numbers to 10. AO 6 Create and continue sequential patterns. AO 8 Sort objects by their appearance.
4	Linking Numicon Shapes with numbers and numerals, and comparing number rods	Capacity	AO 2 Know the forward and backward counting sequences of whole numbers to 10.
5	Securing links between numerals, Numicon Shapes and patterns, and ordering number rods	2D and 3D shapes	AO 2 Know the forward and backward counting sequences of whole numbers to 10. AO 6 Create and continue sequential patterns. AO 8 Sort objects by their appearance.
6	Finding how	Length	AO 2 Know the forward and backward counting

	many by grouping, and teen numbers		sequences of whole numbers to 20. AO 7 Order and compare objects or events by length, by direct comparison and/or counting whole numbers of units.
7	Using Numicon Shape patterns and teen numbers	Lengths of number rods, weight	AO 2 Know the forward and backward counting sequences of whole numbers to 20. AO 6 Create and continue sequential patterns.
8	Adding with Numicon Shapes	Time (night and day)	AO 7 Order and compare objects or events by time by direct comparison and/or counting whole numbers of units.
9	Adding one more	Money	AO 6 Create and continue sequential patterns.
10	Taking away with Numicon Shapes	2D and 3D shapes	AO 8 Sort objects by their appearance.
11	Subtracting one and adding one with number rods	Opposites	AO 6 Create and continue sequential patterns.
12	Halving and sharing	2D and 3D shapes	AO 8 Sort objects by their appearance.
13	Adding – parts and wholes	Weight	AO 7 Order and compare objects or events by weight time by direct comparison and/or counting whole numbers of units.
14	Subtracting – parts and wholes	Positional language	AO 6 Create and continue sequential patterns. AO 9 Give and follow instructions for movement that involve distances, directions AO 10 Describe their position relative to a person or object.
15	Connecting adding, subtracting and number lines	Length and distance	AO 2 Know the forward and backward counting sequences of whole numbers to 20. AO 6 Create and continue sequential patterns. AO 7 Order and compare objects or events by length, by direct comparison and/or counting whole numbers of units.
16	Halving and doubling	2D and 3D shapes	AO 8 Sort objects by their appearance.
17	Subtracting – finding the difference	Capacity, height	AO 7 Order and compare objects or events by length, area, volume and capacity, by direct comparison and/or counting whole numbers of units.
18	How many more, how many fewer, how much less?	Money	AO 2 Know the forward and backward counting sequences of whole numbers to 20.
19	Exploring	Height, length,	AO 7 Order and compare objects or events by length,

	adding and subtracting, and sequences	time	time by direct comparison and/or counting whole numbers of units. AO 9 Give and follow instructions for movement that involve distances, directions, and half turns. AO 10 Describe their position relative to a person or object.
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Number

AO 1 Use a range of counting, grouping, and equal-sharing strategies with whole numbers and fractions.

AO 2 Know the forward and backward counting sequences of whole numbers to 100.

AO 3 Know groupings with five, within ten, and with ten.

AO 4 Communicate and explain counting, grouping, and equal-sharing strategies, using words, numbers, and pictures.

AO 5 Generalise that the next counting number gives the result of adding one object to a set and that counting the number of objects in a set tells how many.

AO 6 Create and continue sequential patterns.

Geometry and measurement

AO 7 Order and compare objects or events by length, area, volume and capacity, weight (mass), turn (angle), temperature, and time by direct comparison and/or counting whole numbers of units.

AO 8 Sort objects by their appearance.

AO 9 Give and follow instructions for movement that involve distances, directions, and half or quarter turns.

AO 10 Describe their position relative to a person or object.

AO 11 Communicate and record the results of translations, reflections, and rotations on plane shapes.

Statistics

Statistical investigation

AO 12 Conduct investigations using the statistical enquiry cycle:

posing and answering questions

gathering, sorting and counting, and displaying category data, discussing the results.

AO 13 Interpret statements made by others from statistical investigations and probability activities.

AO 14 Investigate situations that involve elements of chance, acknowledging and anticipating possible outcomes.