

Numicon

Alignment with Numeracy Framework and JAM



Numicon alignment with JAM

NZ Curriculum, Numeracy Framework and Numicon

NZ Curriculum	Years	Numeracy Framework	Numicon
Pre Level 1	0, 1	Stages 0-1	Firm Foundations - equivalent to Stages 0-3
Early Level 1		Stage 2-3 (Counting)	
At Level 1	2	Stage 4 (Advanced counting)	Completion of Numicon 1 Breaking Barriers is equivalent to Stage 5
Level 2	3, 4	Stage 5 (Early Additive)	Completion of Numicon 2 and 3/ Breaking Barriers
Level 3	5, 6	Stage 6 (Advanced Additive, Early Multiplicative Part Whole)	Completion of Numicon 4
Level 4	7	Stage 7 (Advanced Multiplicative– Early Proportional Part-Whole)	Completion of Numicon 5
Level 4	8	Stage 8 (Advanced Proportional Part-Whole)	Completion of Numicon 6

JAM correlation with NF and Numicon (FF- Firm Foundations, BB- Breaking Barriers)

Module 1 Number -Additive strategies	NF	Numicon
Forming a set and adding 1 more	Stage 0	FF/BB/Numicon 1
Combining sets	Stage 1	FF/BB/Numicon 1
Combining sets with counting on	Stage 4	FF/BB/Numicon 1
Combining sets with additive strategies	Stage 5	BB/Numicon 2 and 3
Combining 2 sets with a total over 10	Stage 4	FF/BB/Numicon 1
Separate 2 sets back through 10	Stage 4	FF/BB/Numicon 1
Separate 2 sets - 10 with additive strategies	Stage 5	FF/BB/Numicon 2
Using Place value for addition problems	Stage 5	BB/Numicon 2 and 3

Module 2 Number and multiplicative fractions	NF	Numicon
Simple multiplication, skip counting	Stage 4	FF/BB/Numicon 1 and 2
Uses addition properties	Early 5	FF/BB/Numicon 2
Knowing multiplication facts	Stage 5	BB/Numicon 2 and 3
Interpreting arrays as addition	Early 5	BB/Numicon 2
Interpreting arrays as multiplication	Stage 5	BB/Numicon 2 and 3
Equal partitioning as multiplication	Stage 5	BB/Numicon 2 and 3

Module 3 Number- Forward & backward sequences	NF	Numicon
Oral counting 1 – 10 forwards	Stage 1	FF/BB/Numicon 1
Oral counting 1 – 10 backwards	Stage 1	FF/BB/Numicon 1
Oral counting 1 – 20 forwards, next number	Stage 2	FF/BB/Numicon 1
Oral counting 1 – 20 backwards, before number	Stage 2	FF/BB/Numicon 1
Oral counting 1 – 20 forwards, next number	Stage 2	FF/BB/Numicon 1
Oral counting 1 – 20 forwards, skip counting 2's	Stage 3	FF/BB/Numicon 1
Oral counting 1 – 20 backwards, skip counting 2's	Stage 3	FF/BB/Numicon 1

Oral counting 1 – 100 forwards, skip counting 2's	Stage 4	FF/BB/Numicon 1
Oral counting 1 – 100 backwards, skip counting 2's	Stage 4	FF/BB/Numicon 1
Number before/after in 0-1000	Stage 5	BB/Numicon 2 and 3
Reading any number to 1000	Stage 5	BB/Numicon 2 and 3

Module 4 Number- Fraction knowledge	NF	Numicon
Naming halves and quarters of a circle	Stage 3	FF/BB/Numicon 1, 2
Naming Halves, quarters and thirds of a circle	Stage 4	FF/BB/Numicon 1, 2, 3
Reading simple fractional numbers and matching to circle representations	Early Stage 5	BB/Numicon 2

Module 5 Number- Grouping and place value	NF	Numicon
Subitising simple numbers of dots	Stage 2/3	FF/BB/Numicon 1
Incrementing 10- counting	Stage 3	FF/BB/Numicon 1
Incrementing 10- adding and grouping	Stage 4	BB/Numicon 1
Incrementing 10- identifying 10's in 100	Stage 5	BB/Numicon 2 and 3

Module 6 Number – Basic facts	NF	Numicon
Instantly recall facts to 5, know groupings to 5	Stage 2	FF/BB/Numicon 1
Know doubles to 10, know groupings to 10	Stage 3	FF/BB/Numicon 1
Addition and subtraction to 10	Stage 4	FF/BB/Numicon 1
Teens facts and doubles to 20	Stage 4	FF/BB/Numicon 1
Addition facts to 20, Subtraction facts to 10	Early st 5	FF/BB/Numicon 1, 2, 3

Module 7 Algebra -Patterns	NF	Numicon
AB patterns	Level 1	FF/BB/Numicon 1
Create and continue patterns	Level 2	FF/BB/Numicon 1
Create and continue patterns with two variables	Level 3	FF/BB/Numicon 1, 2, 3
Create number patterns and continue	Level 3	BB/Numicon 1, 2, 3

Module 8 Geometry - Shape	NF	Numicon
Shape, size and colour sorting	Level 1	FF/BB/Numicon 1
Shape, size and colour sorting, mathematical language	Level 2	FF/BB/Numicon 2
Groups within groups	Level 3	FF/BB/Numicon 2 and 3

Module 9 Measurement length	NF	Numicon
Align and comparing strips	Level 1	FF/BB/Numicon 1
Measure with non-standard length	Level 2	FF/BB/Numicon 1 and 2
Measure with standard length and apply addition	Level 3	FF/BB/Numicon 2 and 3