

Numicon teaching progression: Number, Pattern and Calculating 1 and Geometry, Measurement and Statistics 1

This Numicon teaching progression chart gives an overview of the coverage across both the Number, Pattern and Calculating 1 Teaching Resource Handbook and the Geometry, Measurement and Statistics 1 Teaching Resource Handbook. It also shows the recommended order for teaching the activity groups. (Early statistics work is introduced within the Geometry and Measurement activity groups through appropriate contexts.)

See the long- and medium-term planning documents for Number, Pattern and Calculating 1 and Geometry, Measurement and Statistics 1 for references to assessment milestone statements; a fantastic tool for measuring children's progress.

Strand and activity group number	Activity group title
Securing Foundations 1	Learning about Numicon Shapes, number rods, pattern and counting
Securing Foundations 2	Naming Numicon Shapes, building patterns and counting objects
Securing Foundations 3	Building Numicon Shape patterns, more repeating patterns and number lines
Securing Foundations 4	Comparing and ordering, more patterns, beginning calculating
Securing Foundations 5	Describing relationships, more adding and patterns in movement
Securing Foundations 6	Naming number rods, investigating teen numbers and finding totals
Securing Foundations 7	More about teen numbers, number patterns, adding
Securing Foundations 8	Beginning subtracting, sorting, more number patterns
Securing Foundations 9	Sorting, more practical subtracting
Securing Foundations 10	Comparing lengths and weights, more subtracting
Securing Foundations 11	Counting and adding
Securing Foundations 12	Similar attributes, numbers to 20 and the '+' symbol
Pattern and Algebra 1	Preparing for equivalence and using the '=' symbol
Calculating 1	Introducing the subtracting symbol
Numbers and the Number System 1	Ordering numbers to 20
Calculating 2	Adding and subtracting 1 and 2
Geometry 1	Recognizing and naming 2D shapes
Measurement 1	Comparing, ordering and measuring lengths
Measurement 2	Introducing the 1p, 2p, 5p and 10p coins
Calculating 3	Money
Numbers and the Number System 2	Finding how many by grouping
Measurement 3	Units of time

Strand and activity group number	Activity group title
Geometry 2	Making pictures, shapes and patterns
Calculating 4	Exploring adding and subtracting facts to 10
Measurement 4	Comparing, ordering and measuring heaviness
Calculating 5	Halves and quarters of wholes
Measurement 5	Comparing, ordering and measuring capacity
Pattern and Algebra 2	Reasoning with Numicon Shapes and number ideas
Pattern and Algebra 3	Odd and even
Calculating 6	Understanding subtracting as 'difference' and as 'how many more?'
Geometry 3	Recognizing and imagining common 3D shapes
Numbers and the Number System 3	Exploring number lines and counting in steps
Calculating 7	Developing recall of adding and subtracting facts within 10
Numbers and the Number System 4	Structure of 2-digit numbers and more ordering
Pattern and Algebra 4	Logic
Geometry 4	Comparing and naming common solid 3D shapes
Calculating 8	Adding more than two numbers
Calculating 9	Partitioning into tens and ones
Measurement 6	Telling the time
Pattern and Algebra 5	Finding possibilities
Geometry 5	Position, direction and movement