Numicon teaching progression: Number, Pattern and Calculating 2 and Geometry, Measurement and Statistics 2

The Numicon teaching progression chart gives an overview of the expected coverage over the school year and the recommended order for teaching the activity groups. (Statistics work has been included within the Geometry and Measurement activity groups through appropriate contexts.)

See the long- and medium-term planning documents for Number, Pattern and Calculating 2 and Geometry, Measurement and Statistics 2 for references to assessment milestone statements; a fantastic tool for measuring children's progress.

Strand and activity group number		Activity group title
Getting Started		Getting started with Number, Pattern and Calculating 2
Numbers and the Number System	1	Counting to 100 and beyond
Pattern and Algebra	1	Exploring different patterns
Calculating	1	Adding and writing adding sentences
Calculating	2	Subtracting and writing subtracting sentences
Numbers and the Number System	2	2-digit numbers
Calculating	3	Ordering adding and subtracting facts
Pattern and Algebra	2	Exploring the inverse relationship between adding and subtracting within 10
Numbers and the Number System	3	More 2-digit numbers
Numbers and the Number System	4	Comparing and ordering numbers to 100
Pattern and Algebra	3	Exploring equivalence – introducing empty box notation
Measurement	1	Introducing centimetres
Calculating	4	Adding and subtracting whole tens
Geometry	1	Making and classifying polygons
Geometry	2	Identifying the faces, edges and vertices of solid 3D shapes
Calculating	5	Adding and subtracting 1 and 10
Geometry	3	Investigating symmetry
Pattern and Algebra	4	Odd and even
Calculating	6	Partitioning into tens and units to answer adding and subtracting problems
Pattern and Algebra	5	Patterns and sequences of 2s, 3s, 5s and 10s
Calculating	7	Adding and subtracting 1-digit numbers to and from 2-digit numbers

Strand and activity group number		Activity group title
Measurement	2	Introducing the 20p, 50p and £1 coins
Measurement	3	Introducing the £2 coin and the £5, £10 and £20 notes
Calculating	8	Introducing multiplying as repeated adding
Calculating	9	Learning times tables and about multiplying through arrays
Numbers and the Number System	5	Rounding
Calculating	10	Mental strategies for near doubles and adding and subtracting 9
Calculating	11	Bridging through multiples of 10
Geometry	4	Recognizing and naming prisms and cylinders
Calculating	12	Adding three or more 1-digit numbers
Calculating	13	Adding and subtracting 2-digit numbers to 100
Measurement	4	Introducing metres
Calculating	14	Adding and subtracting to 20
Calculating	15	Introducing dividing as 'How many … in … ?'
Pattern and Algebra	6	Logic
Calculating	16	Halves, quarters and thirds of wholes
Pattern and Algebra	7	Finding all possibilities
Numbers and the Number System	6	Introducing fractions as numbers – building on earlier work on fractions as operators (NPC2, Calc16)
Measurement	5	Introducing kilograms and grams
Measurement	6	Introducing litres and millilitres, and units of temperature
Measurement	7	Telling the time and adding and subtracting with units of time
Geometry	5	Investigating and describing rotation