



Comparisons with Structured-Mastery Approaches in NZ

- Whole school following the science of learning
- Spiral approach with a scope and sequence
- Explicit teaching with a comprehensive Teaching Guide, unscripted, printed & digital
- Deeper teaching rather than speed, emphasis on knowledge and practice
- Concrete-Pictorial -Abstract pedagogy
- Problem -solving included in the contexts of everyday life
- Improved results

Numicon	Pr1me	Maths No Problem	Aotearoa Maths
Whole school & class journey	Mainly groups with different year books but some schools follow a whole school/class journey	Whole school & class journey	Whole school & class journey
Begins Year EC and 0	Begins Y2	Begins Y0	Begins Y0
Inclusive – mainstream and special education		Inclusive to T2	
Intervention programmes T2 & 3 at Phases 1, 2 & 3			
Language – communication – words and terms every week			
Uses a variety of manipulatives - counters, bead strings ... with an emphasis on structured apparatus – Numicon shapes, Cuisenaire rods, place value blocks (Dienes). Bar models included.	Uses discrete materials – counting objects - bar modelling	Use a variety of manipulatives, Cuisenaire rod illustrations/ bar models in the main, but can use the actual rods where the teacher is familiar with them, counters, PV blocks	Use a variety of manipulatives, Numicon shapes, Cuisenaire rod, bar models in the main, but can use the actual rods where the teacher is familiar with them, counters, PV blocks
Y4 – 6 Problem -solving book (shared between 2) & exercise books for recording	Textbook & student workbook	Textbook & student workbook	Textbook & use of exercise books
Class, flexible groups, paired and individual learning experiences	Class and individual learning experiences	Class, group, paired and individual learning experiences	Class, group, paired and individual learning experiences
PD provided and advised to build teacher knowledge	Should have PD	PD provided and advised to build teacher knowledge	PD provided and advised to build teacher knowledge