

# Welcome to Numicon!

## Numicon 1

### Tips to getting started: Printed version

**Go to** the Contents page of the **Implementation Guide**. This book will show you how to set up your classroom, manage your students, plan your lessons and understand the key mathematical ideas behind the Numicon Approach.

**Go to** the Contents page of the **Teaching Handbook** to find an explanation of how to get the most from the teaching materials, planning, assessment and the apparatus.

**Take note** of the **progression of activities in the TH** on page 18. (Attach a tab on this page because you will refer to it often.) This is the long-term planning. The medium-term planning that follows shows you the Focus Activities and Learning Opportunities, as well as the Assessment Milestones.

The overview (page 32, 33) shows you the scope of what is covered in Numicon 1 – Patterns and Algebra, Numbers and the Number System and Calculating. To see the strand work covered in Geometry, Measurement and Statistics, refer to that book.

**Download the progression chart** from the [website at this link](#) that shows how to sequence NPC and GMS together.

**Read *Securing Foundations*** (page 35-41) – excellent reading!

Securing a foundation of number understanding in children is critical in supporting them as they move from self-chosen exploratory play activities towards a daily mathematics lesson.

The Securing Foundations section of the handbook has been designed to establish children the mathematical knowledge, skills and understanding that will underpin all the mathematical ideas and language children will meet in the following activity groups.

It is important that you begin with Securing Foundations 1 and work through to 12 before embarking on the remainder of the learning.

**Go to Securing Foundations 1 (page 42) Learning about Numicon shapes, number rods, pattern and counting.**

Key Mathematical Ideas at the top of the page: Pattern, Ordering, Counting, Mathematical thinking and reasoning.

Refer to pages 8 and 9 to get the most from how to read the information and instructions on each activity group.

**Planning Guidance** is on the Resources section of the website

To help you prepare and get started, organisational files have been created for you [to download at this link](#). A suggested planning file has been created for you at the same link.

**Explorer Progress** activities accompany this book. They are problem-solving activities with the added advantage of being a formative assessment tool. Explorer Progress a, b, and c provide each child with their own record of learning.

**Explore More** invites further problem-solving in class with the option of sending it for homework for families to participate in their child's learning too. Explore More is included in the GMS Teaching Handbook.

Numicon 1 fits well with the New Zealand Curriculum.