



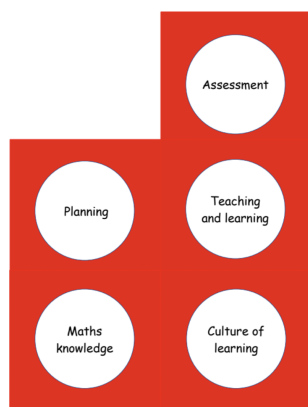
We value a high priority in professional learning. This is an investment in your staff which impacts on your students' futures!

'Numicon and the Professional Development Package have helped our learners understand maths in a way they never could before' Deputy Principal, Christchurch.

Numicon Professional Development Package

Our goal is to empower teachers to adopt the Numicon Approach with confidence.

The Professional Development Framework unpacks five key student and teacher capability areas. This leads to improved student outcomes. It recognizes the cognitive load of new learning for teachers and provides the support for their journey of implementing an approach of world-class standard.



Culture of Learning Improvement is founded on the high expectations of teachers and students in the students' potential and capacity to learn and succeed at maths. Students need to learn the dispositions and habits of mind that lead to success in maths. The foundation for all learning is creating a culture of learning where children's futures is front of mind.

Maths Knowledge Effective teachers of mathematics need to understand maths themselves (curriculum, concepts, progressions, terms) to build students' knowledge. Knowledge is the foundation of mathematical fluency. Children are more likely to develop a solid foundation of understanding when complex concepts are broken down into manageable components of learning and when explicit instruction is provided on each component. *"I do, We do, You do"*

Planning The structured sequence of teaching best builds the mathematical knowledge and skills for students. It naturally supports the teacher to adapt planning and teaching in response to group or individual needs.

Teaching and Learning The knowledge of how mathematics learning happens and putting this into practice support effective maths teachers to build the conceptual understanding skills and of learners through the principle of mastery. It also describes what students can do to best advance their mathematics learning.

Assessment Involves the range of informal and formal means that teachers and students use to check what has or hasn't been learnt, and why. Assessment sits at the top of the model as it informs each of the other capabilities. Capable teachers and students constantly seek evidence and information that will help them adapt and engage with teaching so that learning will happen.

Feedback

Huirangi School - 'When we began our journey, 65% of our students were at or above curriculum level (2022), after one year (2023) 70% of the students scored at level or above. Next year (2024), two years - 76% at or above. 2 and half years in 2025 - 82% at or above. WOW!'

Invest and engage in high impact learning that makes maths real. Our PLD builds strong foundations, deepens understanding and lifelong mathematical confidence.

We provide:

IN-school Professional Development – a series of professional learning days through a two-year period to support the implementation and embedding of Numicon in a school designed with your staff.

Delivered in person only.

One day courses:

- **Introduction to Numicon** - a full day course for new teachers
- **Intervention and Acceleration** - introduction and familiarization with the Numicon Intervention Programme (NIP) for Phase 1 and Big Ideas (BI) for Phases 2 and 3
- **Tier 3 student learning** - introduction and familiarization with Breaking Barriers (BB), an adapted programme for Tier 3 students. This is suitable for special schools and mainstream classes including Learning Support centres at secondary schools.
- **Marvellous Manipulatives** - a half day course to introduce the rich variety of maths equipment in schools – valuable for schools using any programme.
- **Open Mornings** - our advocate schools open their doors once a term.
- **Demonstration lessons** - free
- **Building Communication in Maths** – Maths is a language, let's use it!

Contact our website – www.edushop.nz and our office for more information - admin@edushop.nz