Numicon News July newsletter

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Learning Through Play



Oxford University Press is republishing Firm Foundations to be *New* Firm Foundations. More activities and guidance for using Numicon with children aged 3-5 are included to provide a wonderful transition from Early Childhood to school settings. If your school is part of an initiative to work more closely with your local early childhood centres- this is your answer! We will continue to stock the present Firm Foundations until our stock is depleted. To read more about *New* firm Foundations, click here

Targeting failing students

I have been involved with a few schools working to close the gap with the failing students from Years 2-10. In our initial assessments we have found common threads.

These are: Relying on a shaky counting knowledge instead of $+ -x \div$, poor use of maths language, insecurity with 'number sense', confusion with place value and limited ability to solve problems.

We assessed the children using the Assessment Tool in <u>Breaking Barriers</u> and Closing the Gap. There is a more detailed assessment as part of the Numicon Intervention Programme. Want more details? Click here

The starting place for all of the students was Pattern! This was a great surprise to all of us. Most of the children could copy AB patterns, some could continue, but none could devise

their own patterns with access to four diffferent coloured pegs, instead they repeated the AB pattern using different coloured pegs or counters. None could use number patterns or relationships with numbers to predict or solve problems.

The teachers and teacher aides observed me working with the children and took notes. They were thrilled with how clear it was to see and know what their children knew. We were able to plan a programme to develop their progress using Breaking Barriers, Closing the Gap, or the Numicon Intervention Programme.

Maximum 1 Camporing, ordering and massiving lengths	Calculating 5: Developing Russey with multiplying facts to 13 × 1 Have mody: timer	
Tallest And Shortest	Times Tables Squares Record how long it takes you to fill in the answers to this times tables square.	Number, Pattern and Calculating 5 Explorer Progress Book 5c Sample pages
Which is the tallest toy?	× 3 4 6 7 2	Stick Houses
Which is the shortest toy?	8	and and prime to argument
Are any tays the same height?	Now time how long it takes you to fill in this square. Try to be quicker than you were last time!	Graphing in the provincial starts and the start of the st
Draw a new toy on the shelf. Can you make it shorter than the robot and taller than the robbit?	8 4 4 My time	Explanation of the second of t
koheratis		Children have in the second in the second se

Assessment with Numicon

Explorer Progress Books for Number Pattern and Calculating, and Geometry Measurement and Statistics provide a formative assessment. If a child did not understand this week's concepts, you don't have to wait 6 months to find out! Each booklet is about \$1, so much less than photcopying – it's illegal anyway. Click on the links below to read more.

Numicon 1 Numicon 2 Numicon 3 Numicon 4 Numicon 5 Numicon 6

Numicon 6 is here!



Oxford University Press has released the final of the Numicon books taking students through to NZ Curriculum level 4 with some early level 5 concepts included. Already many intermediate schools and full primary schools are enjoying the rich learning in these books. To read more, <u>click here</u>

Courses Term 3

Courses are planned for Auckland, Tauranga, Rotorua and Whakatane, and Blenheim. Other courses are in the planning stages for Term 4 – Taranaki, Auckland and Hamilton. Register quickly because they are filling up! An extra course has been organised for Auckland.

If you would like to host a course at your school, or want a PLD day in 2017, contact me now. Already some schools are making their bookings, especially when introducing Numicon to their Junior School or all classes.

Tell your story!

So many schools want NZ data and your stories. You can find anecdotal stories on Twitter at # Numiconnz, facebook – Numicon NZ and pinterest. To send your story, click here. To send your data, <u>click here.</u>

New free files, including Olympics



These are found on the menu button – Supporting Resources Activities for Numicon 1 - 6 To see them, click here.

Place value tips



Have you explored the link on our website – Interesting Maths. You will find a link for place value there and the place value frames on the <u>Supporting Resources Page</u>

Numicon Support

We are happy to visit your school or meet via Skype. News of Numicon's success is continuing to increase. I am looking for teachers to help with supporting others, especially in the new Communities of Learning, visiting schools, welcoming visitors to their schools, presenting at staff meetings and running courses. If any of these interest you, I'd love to hear from you!

Remember to update your email address!

Enjoy your Term 3!

Margi Leech