

We Numicon!

Why Numicon?

- 'I've never seen a resource have the impact, and such an immediate impact on learning as I have done with *Numicon*. It's really exciting!'
Helen Tyler, Head Teacher, St Joseph's RC Primary School
- '*Numicon* has transformed the way I teach maths.'
- 'It is the very fact that *Numicon* is embedded in active research that makes it so appealing to me. It is not a scheme but an approach that illustrates how children learn.'
- 'Children learn new concepts much quicker and they are able to "see" patterns and make connections easier.'
- '*Numicon* allows pupils to take risks when trying out new ideas.'

Helen Tyler, Head Teacher, St Joseph's RC Primary School

Mary Jalland, Teacher, Westquarter Primary School

Paula Cloughton, Every Child Counts Teacher, Francis Askew Primary School

Claire Calderbank, Maths Subject Leader, Canon Evans C of E Primary School

Louise Rothwell, EYFS Maths Specialist, SS Aidan & Oswald RC Primary School

The *Numicon* Intervention Programme

Pupils make speedy progress, often from very low starting points

Mersey Park Primary School,
HMI Ofsted Report, March 2014.

- 'After completion of the 12 week programme, a comparison of pre- and post-intervention data was significant, with children showing a Number Age gain of between 9 months and 36 months! Subsequent assessment has shown that the majority of children have maintained the gains.'
- 'Intervention groups are set from a range of assessment data and their progress closely tracked and monitored. With *Numicon*, these targeted groups showed a significant increase in basic skills.'

Paula Cloughton, Every Child Counts Teacher, Francis Askew Primary School

Suzanne Hamilton, Deputy Head, Glyncollen Primary School

Numicon and Assessment

- 'Due to its visual nature, *Numicon* makes it much easier to assess which children have grasped a concept. It promotes independence and is a tactile aid for children who may otherwise be reluctant to try out their answer or problem-solving technique.'
- 'Being able to see how they think, where they get stuck, what the barriers are – *Numicon* is brilliant for that. Whether they're in Year 6 or Nursery, seeing what they do with the shapes is fascinating. *Numicon* has had a huge impact on results. It's not about fixing things in Year 6; it's the really solid foundations.'

Louise Rothwell, EYFS Maths Specialist, SS Aidan & Oswald RC Primary School

Siobhan Horisk, Deputy Head, St Joseph's RC Primary School

**100%
Level 4+ in
2013**

**More than
70% Level 5
in 2013**

St Joseph's RC Primary School

What impact does *Numicon* have on maths teaching?

- 'It infuses mathematics with energy. It encourages active and independent learning.'
Paula Cloughton, Every Child Counts Teacher, Francis Askew Primary School
- 'Our experience of *Numicon* has been overwhelmingly positive. It has had an impact on teacher / TA confidence in tackling the teaching of strategies in a much more visual way.'
Louise Rothwell, EYFS Maths Specialist, SS Aidan & Oswald RC Primary School
- 'The diagnostic resources in *Numicon* written teaching materials are really useful to support teachers in being able to go and find the activity that's right for a child. Teachers have been really supported by how it's broken down into clear steps.'
Siobhan Horisk, Deputy Head, St Joseph's RC Primary School

Increase from 68% Level 4+ in 2011, to 92% in 2013

Increase from 12% Level 5 in 2011, to 47% Level 5 in 2013

100% of children making 2 levels of progress from KS1 to KS2 in 2012

Mersey Park Primary School

Pupils make superb progress in mathematics

St Joseph's RC Primary School, HMI Ofsted Report, March 2014.

What impact has *Numicon* had on pupils?

- 'With *Numicon*, all children enjoy maths.'
Claire Calderbank, Maths Subject Leader, Canon Evans C of E Infant School
- 'The response from children has been amazing! *Numicon* has played a fundamental role in developing self-esteem and confidence and has allowed them to realise themselves as mathematicians. It engages children in a mathematical conversation that is relevant, animated and open to discovery.'
Paula Cloughton, Every Child Counts Teacher, Francis Askew Primary School
- '*Numicon* engages and enthuses children.'
Suzanne Hamilton, Deputy Head, Glyncollen Primary School

What do parents think?

- 'Because the children are so enthusiastic about *Numicon*, parents are curious. When they see it, things that perhaps they didn't understand at school make sense for them; it's that lightbulb moment and why it's valuable. Parents want to help; it's about empowering them.'
Siobhan Horisk, Deputy Head, St Joseph's RC Primary School

Increase in Level 5 from 37% in 2011 to 53% in 2013

SS Aidan & Oswald RC Primary

Find out more about the impact of *Numicon* through case studies and research: www.oxfordprimary.co.uk/numicon

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