

Numicon Professional Development
Developing teacher's confidence in their maths pedagogy and subject knowledge with Numicon

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**Numicon Professional Development
Using the Numicon approach to support
children in the Early Years Foundation Stage**



Debbie Streatfield - Consultant

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Numicon Shapes

- What can you see?
- What can you feel?
- Can you sort them
- Can you order them?

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Using the patterns



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Calculating not counting

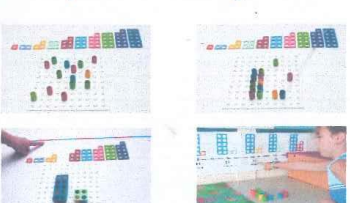


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How many without counting?




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Object counting

- Organising nice things
- Egg boxes
- Wrapping paper



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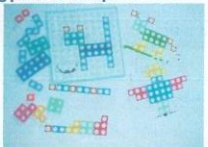
Cover the board



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Constructing meaning Making pictures and patterns...



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Constructing meaning: Working with Shapes and numerals




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Number Rods

- What can you see?
- What can you feel?
- Can you sort them
- Can you order them?



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Constructing meaning Making pictures and patterns...



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Equivalence



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Daily maths opportunities

- Register time
- Lunchtime
- Transition times
- Snack time
- In the environment, inside and outside
- In each area – how many?
- Sharing equipment and resources
- Are they all there?
- Do we have enough?

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digitdogchallenges.com
Mouse Splat



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Welcome to Oxford Owl

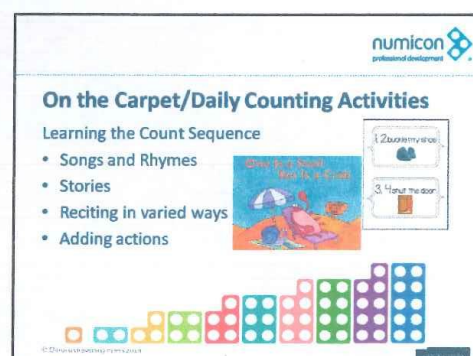
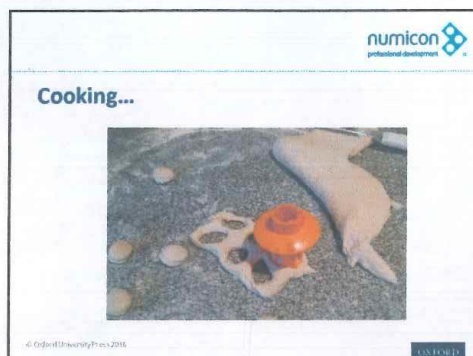
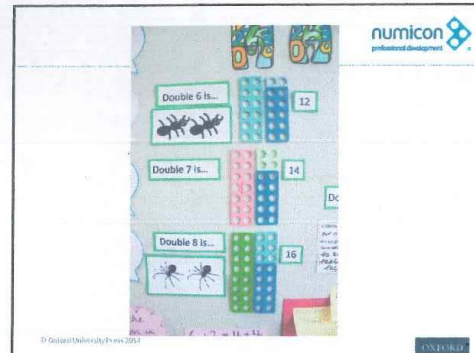
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The resource is available online, free of charge, and can be downloaded for personal use.

For Home
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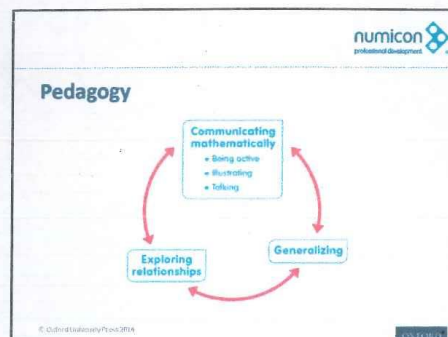
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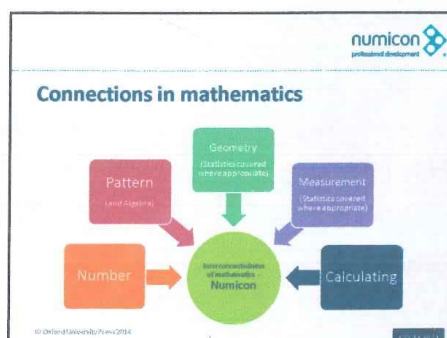
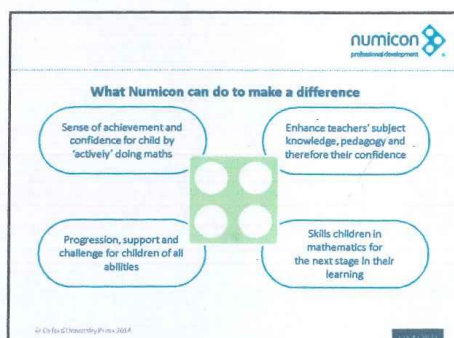


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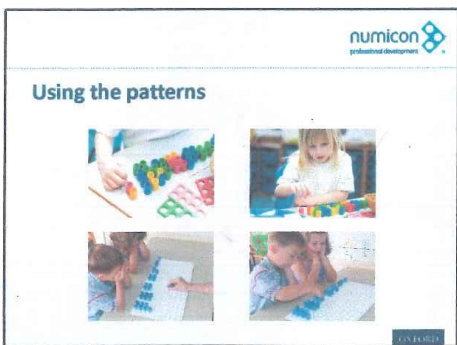
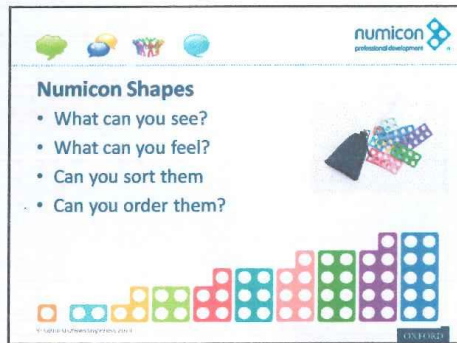
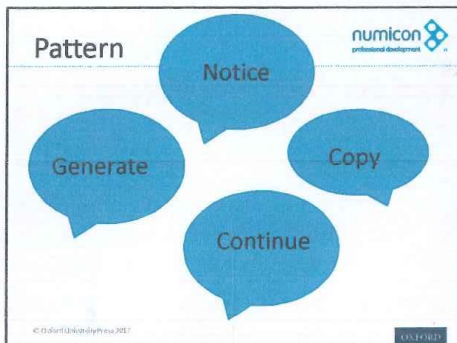
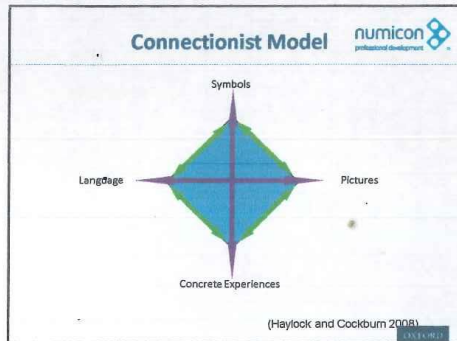
The aspiration:
confident, competent
mathematicians in all our pupils

To achieve this, children need to:
do maths
talk about it
use concrete images and
structured apparatus to help with
the doing and the talking
discover patterns and structures
make generalisations

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Calculating not counting

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How many without counting?

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Number Rods

- What can you see?
- What can you feel?
- Can you sort them
- Can you order them?

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Where do we start?

- Exploration and play
- Familiarisation
- Generalizing

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**Constructing meaning
Making pictures and patterns...**

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Cooking...

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Developing teacher's confidence in their maths pedagogy and subject knowledge with Numicon

Numicon is embedded into play activities inside...




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And outside...



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**Constructing meaning:
Working with Shapes and numerals**



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Making Connections


- Between oral counting (saying the number names) and object counting (using this count to know 'how many')
- Between oral and object counting and reading the numbers/numerals

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On the Carpet/Daily Counting Activities

Learning the Count Sequence

- Songs and Rhymes
- Stories
- Reciting in varied ways
- Adding actions



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Daily maths opportunities

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