

Mathematics

Maths is the language of relationships and patterns.

At Hurst Knoll St James' we use the Oxford University Press *Numicon* programme to support us in teaching mathematics.

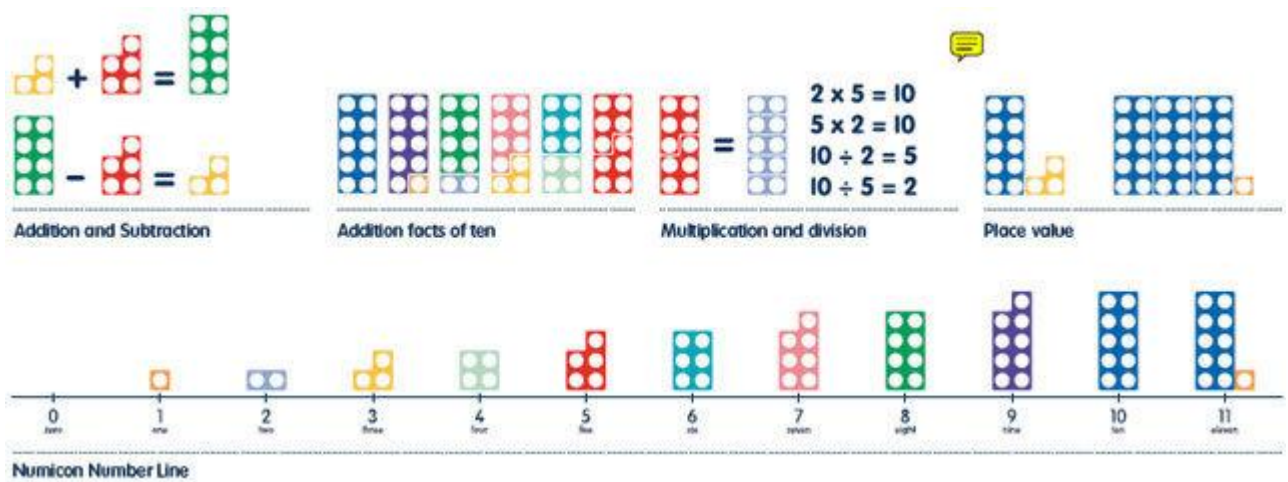
The Numicon shapes and patterns illustrate relationships and patterns of numbers and what we do with them, so clearly.

Numicon is a curriculum proof, multi-sensory approach, built on a proven pedagogy that raises achievement across all mathematics ability levels from Nursery to Year 6.

With problem-solving, reasoning and conversation at its heart, *Numicon* perfectly embodies the aims of the Primary National Curriculum 2014 for mathematics:

- Develops **fluency** by using a visual, practical base to develop conceptual understanding and fluent recall.
- Helps children to **reason mathematically** through the use of concrete objects and **spoken language** to explain and justify.
- Develops children into confident **problem-solvers**.

The Numicon Approach



Integrated thinking skills are employed throughout the programme as part of communicating mathematically with oneself, with others and by illustrating to solve problems.

Numicon utilises the environment to teach maths in everyday contexts and provides activities across the curriculum demonstrating the value and use of maths to children at every level.