

At St Cecilia's we have been delivering the new maths curriculum in Key Stage 1 since 2014. Mathematics teaches children how to make sense of the world around them through developing their ability to calculate, reason and solve problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

## Numicon

We believe children's natural curiosity is the start for all learning. Children's maths learning therefore begins from play in our Nursery and this continues through the school to Year 2. Being able to follow a line of independent maths enquiry is vital for our children to develop the confidence and resilience to solve problems now and more complex ones in the future. This means in all age groups maths games, the outdoors, music, maths support resources, computing resources, role-play and written work, ALL contribute to learning.



Our main maths resource is Numicon. This is a multi-sensory approach, built on a proven pedagogy that raises achievement and confidence across all mathematics ability levels. With problem-solving, reasoning and conversation at its heart, Numicon perfectly embodies the aims of the Primary National Curriculum 2014 for mathematics as it:

- 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.