

Curriculum intent: Mathematics



Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. At Little Thurrock Primary School, it is our intent to engender a curiosity and love of mathematics by delivering a high-quality mathematics education that provides children with a foundation for understanding the world, the ability to calculate fluently and reason mathematically, an appreciation of the beauty and power of mathematics and an insight into significant individuals, theories or events that have changed our world.

How we teach maths at Little Thurrock Primary School.

At Little Thurrock Primary School, we follow the 2014 National Curriculum for maths, delivering high-quality mathematical education to create enthusiastic learners. In addition to this, we follow a mastery approach of blocked unit plans for year groups with suggested time allocations. KS1 and KS2 follow a re-configured White Rose scheme of learning to support with the planning and teaching of their units. The scheme of learning provides teachers with exemplification for maths objectives that are broken down into fluency, reasoning and problem solving, key aims of the National Curriculum. This is enhanced by a creative approach with using and applying as a focus. We aim to inspire all children to reach their full academic potential. In mathematics this means ensuring a curriculum that is fully inclusive of all children which:

- develops a positive attitude towards mathematics and an awareness of the fascination of mathematics;
- develop children's knowledge and understanding of mathematical concepts whilst enabling them to practice and hone skills and methods;
- enables them to reason mathematically, think critically and communicate their understanding;
- gives them opportunities to apply learnt mathematical skills in different contexts across the curriculum;
- allows them to solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication;
- enables them to appreciate and understand other people's different ways of calculating and problem solving;