

Intent

Mathematics is a creative and highly interconnected 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. 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. At Clore Shalom we deliver a curriculum that follows the White Rose Maths Scheme of Work, fostering a mastery approach to mathematics. We aim to develop a deep understanding of mathematical concepts through the Concrete-Pictorial-Abstract (CPA) approach, ensuring a strong foundation for future learning.

By the end of Year 6 our children will have developed:

- **Resilience and independence** by becoming fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time (including breaking down problems into a series of simpler steps and persevering in seeking solutions), so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **Self-advocacy** by reasoning mathematically, following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- **A lifelong love of learning** through receiving a high-quality mathematics education which 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.
- **Tolerance and respect** by developing their mathematical vocabulary and presenting a mathematical justification, argument or proof. Respecting other children's views which may differ from their own (e.g., the best way/most efficient way to solve a problem).
- **Responsible citizenship** by recognising that mathematics is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.