



Mathematics at Salisbury Manor

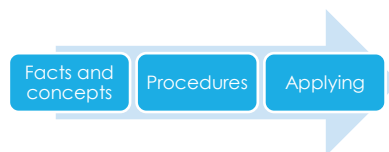
Intent: At Salisbury Manor Primary School, we aim to provide **high-quality mathematics education to all our pupils**. Our approach to mathematics supports our key aim of challenging pupils so they can **become confident, independent and enthusiastic mathematicians**. They will meet National Curriculum expectations in mathematics, which will be taught by highly-enthusiastic qualified staff who will support children to **develop concepts and inspire enthusiasm and interest** in mathematics. Our maths curriculum has been specifically designed to ensure regular opportunities for consolidation in order to identify recalled knowledge, as well as **immediately address gaps**. Within lessons, they will develop into independent learners with inquisitive minds who have **secure mathematical foundations** and an interest in self-improvement. Through the use of **practical objects**, such as cubes, **pupils have a better understanding when solving abstract questions**, such as word problems. We strive to empower our pupils by equipping them with the key skills necessary to allow them to go deeper into their maths learning, developing strong reasoning and problem-solving skills. Above all, we intend to give our pupils the opportunity to appreciate mathematics in its wider, real-life context and to be able to **apply their maths skills beyond school life**.

The **Calculation policy** exemplifies the outcomes of the four operations. This is aligned to the scheme of learning.

The curriculum is **coherently structured** to build understanding in **small steps**. Children master each step before moving on.

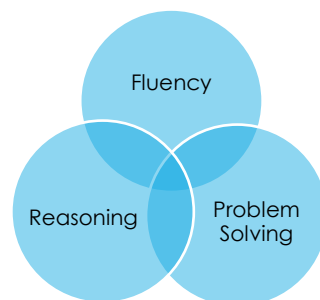
There is a clear **framework** for teaching. To activate the working memory, **previous learning is reviewed** at the beginning of lessons. Teachers **explicitly model** methods and procedures, providing **systematic instruction**.

Low-stakes testing ensures all children learn age-appropriate addition, subtraction and times tables facts. Testing is also used as pre-learning/post learning tests.



Through extensive practice, children **secure and maintain automaticity** of key addition and subtraction facts **within 20** by the end of KS1.

Children are taught **problem solving** skills, and apply their understanding to a range of **increasingly complex** problems and contexts.



A **CPA** (concrete, pictorial, abstract) approach is used to deepen understanding of mathematical **structures** and can be used to provide a **scaffold**.

Throughout the lesson, teachers **diagnostically assess** gaps in understanding in order to provide **immediate intervention** and in-the-moment feedback.

Online homework is set on **conquer maths** and **Times Table Rock Stars**. Targeted questions are set to support them with their understanding.

Frequent practice of **Times tables** (including the use of TTRS) allows children to recall multiplication and division facts by Year 4.

All children receive opportunities to **mathematically reason**. This provides opportunities for children to use accurate mathematical **vocabulary** and **stem sentences**.

In EYFS, children develop a deep understanding of maths in an **engaging** and **stimulating** environment.

Implementation: We use White Rose Maths in Years 1-6, which has been written to support teachers in all aspects of their planning. Through this, children explore number with increasing depth so that they see numbers as a way of interpreting and understanding the world around them. Children are introduced to numbers through a variety of representations so that they can recognise the numerals and the amounts. Once this is secured, children start to manipulate numbers through simple operations, such as basic addition and subtraction. Children readily access practical resources and visual representations to scaffold their learning and which allow them to talk about what they know and have learned. Vocabulary in the EYFS is essential to the development of confident mathematicians, in number and across all other strands of maths. As a result, the maths provision in the EYFS focuses on discussion to allow children to develop their understanding of the everyday language of shape, space and measures.