



## Intent

At Sutton Oak we value a Maths curriculum that is creative and engaging. Our aim is for children to develop the necessary skills and acquire the knowledge that makes them confident and flexible mathematicians and be able to apply these skills quickly and in different contexts.

We want children to enjoy Maths and be able to make rich connections across areas of Maths through collaboration, reasoning and problem solving. We believe that Maths is the foundation for understanding the world and therefore we ensure children understand how Maths is linked to their daily lives and can unlock the door to an ambitious future.

## Implementation

To ensure a consistent approach across the school we follow the White Rose Maths Scheme supplemented with other high-quality resources to ensure full coverage of the Maths National Curriculum. This exposes our children to a range of different questions and allows the flexibility to revisit topics or adapt to the learning speeds of the children. All children are catered for within maths lessons and teachers offer the necessary support and challenge for all individuals to make progress each lesson. Lessons build on knowledge and skills from previous days in small steps which build up to bigger concepts within a topic.

We use the concrete, pictorial, abstract approach to topics for all learners and ensure that our lessons include the three core areas of the national curriculum: fluency, reasoning and problem solving. Additional time within the school week gives children the opportunity to practise essential skills to ensure confidence and fluency.

Maths has a high profile within the school: all classrooms have a working wall which reflects the topic the children are learning about; children have access to online learning platforms including NumBots and TT Rockstars and regular battles take place throughout the year. Maths achievements including Marvellous Mathematicians awards, Times Table trackers and TT Rockstars winners are celebrated collectively in Worship; individual Maths Days are celebrated including Number Day and Rockstar Day; and workshops with the St Helens Chamber exploring budgeting and careers in STEM give the children chance to see Maths in the wider world.

A typical lesson at Sutton Oak:

Children will be given chance to review their prior learning and make corrections if they have not done so already.

They will then explore a "hook" which will give them the opportunity to apply their skills to a new problem or use their reasoning skills. Children can work collaboratively with a partner and are encouraged to use mathematical vocabulary. Methods are then shared with the class and may include discussion about the most efficient method.



This discussion will lead into the new learning for the day and the input from the teacher. Interaction is encouraged through targeted questioning, whiteboard work or children explaining.

Following this children will complete independent activity based on the new learning. Children who are finding it difficult may be supported through information on the working wall, peer support or support from the teacher or teaching assistant.

As the lesson draws to a close the teacher will sum up the learning from the day in a mini review or may mark work with the class or model an answer to a challenging problem.

### Impact

Children become more independent and confident through our approach to Maths and develop a positive attitude towards Maths which they see as a subject they enjoy and can achieve in. Sutton Oak has a supportive ethos and mistakes are seen as an opportunity to learn and improve.

Children will make progress in each lesson and throughout the year so they all achieve to their full potential.

### Assessment:

Teachers continually assess the progress and understanding of children identifying those who need additional support with a concept and ensuring timely intervention takes place to keep them on track.

Formal assessment includes weekly arithmetic tests and end of term assessments.