



## Sutton Park Primary School Maths Rationale

### **Intent:**

At Sutton Park, we view Maths as an essential part of everyday life and necessary for understanding the world around us. We believe that all of our children can succeed in Maths and we want them, and our families, to have a positive attitude towards the subject. Through Maths, our children learn to reason, express, question and challenge to ultimately understand that every problem can have at least one solution. Our focus on arithmetic embeds the fundamental skills our children need to master the relationship between the four operations before applying this to problem solving.

At Sutton Park, our aim is to develop confident, enquiring mathematicians who learn from and value mistakes as an essential step to success. We offer an enriched curriculum whereby Maths is enjoyed in all aspects of school life and the wider community, involving children in events with fundraising initiatives reflecting local and global themes as an example.

The spiral curriculum ensures that key knowledge is revisited and built upon allowing the children to both know and remember more.

### **Implementation:**

We teach the National Curriculum in Maths supported by the Trust Calculation Policy, which ensures a progressive introduction to age-appropriate strategies for calculating. Teachers use Focus Maths as the main resource to drive the curriculum, supplemented by a range of other materials such as White Rose and NCETM. At Sutton Park we have a wide range of ability in every cohort. Children's diverse needs are planned for and delivery is tailored accordingly. Pre learning tasks are used to accurately match the learning for each new concept. Reasoning activities are planned within every unit of work so that the children become fluent in applying their understanding.

### **Our children will:**

- Begin their mathematical journey in the Early Years where they will develop their knowledge, understanding and confidence with number, shape, space and measure.
- Have enabling environments that allow them to practise and hone skills.
- Become fluent in times table recall.
- Develop the reasoning and oracy skills needed to build on or challenge other people's ideas.
- Learn to think creatively and make links between mathematical concepts through the exploration of shape, space, measure and patterns within the number system.
- Progressively build on their understanding in a logical and methodical way.
- Concentrate on their thinking as well as doing.

### **Assessment**

In order to have a complete picture of each child as a mathematician, we use a range of assessment tools to support teachers effectively:

- PiXL assessments are used to gain an understanding of a child's Maths skills in terms of ARE. Gap analysis is used to support Maths lessons so that planning is matched appropriately to the needs of the children and interventions are bespoke and timely.
- Pre learning tasks.
- Observations and assessment for learning.

## **Inclusion**

At Sutton Park, Maths sessions are designed to be accessible for children of all abilities and backgrounds. Adaptations will be made to the curriculum and concrete resources, allowing all pupils with SEND to access the learning to the best of their ability. This also includes children who are academically more able. Provision is also made for children with EAL. This provision is monitored closely by the Maths leader in accordance with the SENCO, SLT and Governors.