



## Mill Hill Community Primary School Mathematics

### **Intent**

Maths at Mill Hill equips pupils with the confidence and skills needed to solve mathematical problems in the classroom and a real-life context. The focus of fluency, reasoning and problem solving provides children with a repertoire of skills to enable them to use and apply efficient methods of calculation.

As children become more confident with calculations, they move through the stages within the calculation policy enabling them to master a more efficient method for solving number problems. They also develop their mental calculation skills by regularly practising 'Number Talks' where they have to explain their method. We encourage children to take risks and have a strong ethos that making mistakes is part of the learning process.

We show children that Maths is important in all aspects of everyday life. At Mill Hill we develop children's understanding through an active, hands on approach which encourages enthusiastic learners. Children can then take these skills and use them in all areas of the curriculum. Maths at Mill Hill can bring moments of wonder and pleasure when a link is discovered, when a problem is solved or when a more efficient method is mastered. At Mill Hill we follow the national Maths curriculum and develop skills across the nine strands.

- Number and place value
- Addition, subtraction, multiplication and division
- Fractions (including decimals and percentages)
- Ratio and proportion
- Algebra
- Measurement
- Geometry – Properties of shape
- Geometry – Position and direction
- Statistics

### **Maths Intent and The School ethos**

At Mill Hill we aim for all children to have a secure understanding of the basic skills of Mathematics so that they can access all learning at their level. We will equip pupils with the confidence and skills needed to solve mathematical problems in the classroom and a real-life context.

The focus of fluency, reasoning and problem solving provides children with a repertoire of skills to enable them to use and apply efficient methods of calculation.

To show children that Maths is important in all aspects of everyday life we develop children's understanding through an active, hands on approach which encourages enthusiastic learners. Children can then take these skills and use them in all areas of the curriculum.

### **British Values and SMSC**

Maths shows the values of patience and perseverance. Maths allows all children to experience new concepts which will need patience and perseverance to achieve and understand. Children develop social skills through working together with a partner, in small groups or as a whole class especially in the area of problem solving. Maths enables pupils to develop their self-knowledge, self-esteem and self-confidence by actively 'having a go' even when it is new or tricky. It encourages respect for other people as children are required to listen as others share their Maths thinking.