

### What does maths look like at Oakfield?

At Oakfield, we follow a mastery approach of teaching mathematics. At the centre of the mastery approach to the teaching of mathematics is the belief that all pupils have the potential to succeed. We give children across the year groups, access to the same curriculum content and, rather than being extended with new learning, they are deepening their conceptual understanding by tackling challenging and varied problems. Similarly, with calculation strategies, pupils will not simply rote learn procedures but demonstrate their understanding of these procedures through the use of concrete materials and pictorial representations.

Oakfield Primary Academy

Maths  
Vision

### What is our aim at Oakfield?

At Oakfield, our aim is for children to leave as confident, skilled and resilient mathematicians who understand that mathematics is a fundamental part of everyday life and the world we live in. We will give children real-life learning experiences and opportunities to ensure that they are confident to deal with the challenges the world presents. Mathematics is integral to all aspects of life and with this in mind, we endeavour to ensure that children develop a healthy and enthusiastic attitude, and a deep understanding, that will stay with them for life.

### Maths in EYFS

In EYFS, our mastery approach to maths is delivered through focused discreet adult led inputs developed through play and exploration. Children are engaged in open ended activities where they are supported to seek challenge and learn through trial and error. Our children find ways to solve problems, make links and notice patterns. They plan to reach a goal and review how approaches work. Our highly skilled practitioners model and support language and encourage children to talk about their learning.

### Being fluent in our times tables

Effective understanding and recall of times tables is the foundation of most of the mathematics children will do at primary school and the mathematics curriculum involves children being fluent in number skills. Our times tables scheme includes inverse operations, a range of representations and problem solving, which are all vital skills in mathematics. To support the children with their learning children actively enjoy and are engaged with the online learning opportunities through Numbots, Mathletics and TTRockstars.

### How do we ensure learning is embedded?

Children experience a sense of awe and wonder as they solve a problem for the first time, discover different solutions and make links between different areas of mathematics. It provides pupils with a deep understanding of the subject through a concrete, pictorial and abstract approach. This ensures pupils fully understand what they are learning.

### Opportunities to celebrate maths

We weekly celebrate our mathematician of the week. However, there are many opportunities where our marvellous mistakes are celebrated as these mistakes involve the children identifying their own misconceptions.