



Martin Primary School

## MATHS

### Curriculum aim and intent

In our school we want children to enjoy maths and we aim to nurture their confidence in their maths abilities. Our learning is memorable, ambitious and relevant. We sequence learning that builds and is cumulative, enabling children to connect ideas. Children are encouraged to show their working in a variety of ways and to use a range of resources to solve challenging problems. We aim for children to master content within their year group so they are able to take on complex tasks. Where possible, teaching is linked to everyday life (for example- linking decimals to money), motivating children and helping them understand the importance of mathematics in the world.

Our maths curriculum is delivered through a CPA approach (concrete, pictorial, abstract) and further supported through the consistent use of bar modelling. Maths learning is hands on, rich in resources and rich in vocabulary. Children are scaffolded up in their learning and are taught in mixed ability groups, supporting all children to develop their mathematical understanding.

### Links to the EYFS

It is essential for children to develop a strong understanding and enjoyment of number in order to build a solid foundation and excel in maths. It is also important for children to develop an understanding of spatial reasoning and patterns and connections. In the Early Years, we provide children opportunities to explore maths in their everyday environment, providing them with frequent and varied daily opportunities to use their understanding in real-life contexts. We use the environment to explore maths, e.g. counting objects in the kitchen and making patterns with leaves and acorns during forest school. Constant consolidation of maths skills is key and is incorporated into all parts of the day and learning is very cross curricular (for example, when our topic was 'Billy Goats Gruff', maths was linked to 'real life situations' in building bridges, using non-standard measuring and positional language). Opportunities to explore their maths in meaningful ways promotes a 'have a go' attitude.

## Maths overview

<b>Year 1</b>	addition & subtraction geometry & shape	place value addition & subtraction measurement	place value fractions geometry & shape measurement
<b>Year 2</b>	place value addition & subtraction	multiplication & division fractions measurement properties of shape	position and direction statistics problem solving
<b>Year 3</b>	place value addition & subtraction multiplication & division	multiplication & division statistics measurement fractions	fractions measurement properties of shape
<b>Year 4</b>	place value addition & subtraction multiplication & division	multiplication & division measurement decimals fractions	decimals measurement statistics properties of shape
<b>Year 5</b>	place value addition & subtraction multiplication & division statistics measurement	multiplication & division decimals & percentages fractions	decimals measurement position and direction properties of shape
<b>Year 6</b>	addition & subtraction multiplication & division fractions position and direction	decimals & percentages algebra ratio measurement	statistics properties of shape problem solving investigations