



## Maths Intent

# Implementation and Impact

Monksdown aims to foster the skill and enjoyment of the Mathematics Curriculum.

Mathematics is a creative and highly inter-connected discipline. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

## Intent

At Monksdown primary our intent is to teach our children how to make sense of the world around them by developing their ability to be fluent, calculate, reason and solve problems. We want our children to recognise and understand relationships and patterns in numbers in the world around them. We encourage Mathematics to be utilised as a tool beyond the daily Mathematics lessons and beyond the classroom. We encourage and develop independent learners with inquisitive minds who have secure mathematical foundations.

Maths is developed through our school values of respect, resilience, resourcefulness and responsibility.

## Implementation

At Monksdown primary School we use the National Curriculum for Mathematics as the basis of our mathematics programme.

To ensure the teaching focuses on the concepts required to achieve the stated National Curriculum expectations, we use 'White Rose' resources as a basis for all teaching and learning. White Rose for Mastery has an emphasis on investigation, problem solving and the development of mathematical thinking and reasoning.

We teach mathematics, recognising the necessity of aligning learning with stages of conceptual development and have a no one left behind approach. Pupils are provided with a variety of opportunities to develop and extend their Mathematical skills in a variety of contexts.

## Impact

Through ongoing formative assessment throughout lessons, and summative results from termly tests, alongside evidence from learning walks and pupil interviews Monksdown pupils are securing maths content and using and applying mathematical knowledge, concepts and procedures - ensuring readiness for the next stage of their learning.

We facilitate financial capability and equip children with real life attitudes to money.

By the end of Y6 our children will be:

- ready for the next step in their mathematical learning
- become fluent in the fundamentals of mathematics

- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations.
- solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication.