



## Calculation Policy Introduction

This policy has been written to detail the progression in calculation for the four mathematical operations, from the Foundation Stage to Year 6, as required by the national curriculum, and to ensure the needs of the pupils in our school are met using a consistent approach. The aim of the document is to provide guidance on concrete and pictorial strategies, which may be used to support the development and deeper understanding of maths concepts and principles. This will enable pupils to gain a secure knowledge in the progression of the written strategies required to be taught, using and applying them to solve problems effectively.

This document is accompanied by a vocabulary list, taken from the Maths Vocabulary Booklet published by the DfE in 2000.

The main aims of this policy are that when pupils leave they will:

- Have a secure knowledge of place value and number facts to support fluency and confidence with using compact methods of written calculation.
- Be able to use jottings and notes to effectively break problems down into smaller steps when using mental methods of calculation.
- Be able to recall and apply their knowledge with greater speed, becoming more efficient and effective with solving more complex problems.
- Be able to use appropriate strategies effectively - when to use written and when to use mental calculation. It is important children acquire secure mental methods of calculation and one efficient written method of calculation for addition, subtraction, multiplication and division which they know they can rely on when mental methods are not appropriate
- Be able to explain their understanding, justifying their reasoning using mathematical knowledge, language and providing examples/non-examples as proof.