



# Oswald Road Primary School

## Written Calculations Policy

**Approved by T+L committee: June 2018**

**Headteacher: Deborah Howard  
Chair of Governors: Richard Price**

**To be reviewed in 2 years: June 2020**

At Oswald Road Primary School, we have a consistent approach to the teaching of written calculation methods. This ensures continuity and progression throughout the school.

It is important children become confident using mental and written strategies. The aim at Oswald Road is that children become fluent in the fundamentals, reason mathematically to follow an enquiry and can solve problems by applying their mathematics. Children will be encouraged to decide when a mental strategy is appropriate or when to use a written calculation. These skills must be based upon a solid foundation and understanding of place value in number and therefore, there is a set progression through the stages of written calculations children will use throughout the school.

Oswald Road children will work through the age-related expectations for each year group. The aim is to help children to achieve a greater depth of understanding in their learning and then achieve mastery of each method to ensure children are fluent in each step before they move on. Teachers will extend children within each method by presenting them with a wide variety of routine and non-routine mathematical problems where they may need to use and apply a written method. They will also challenge children to develop their reasoning skills through recognising and explaining the mathematical concept, which underpin the written calculation methods when presented with non-routine problems and investigations where the method may be appropriate to solving the problem. Our aim is that children can not only find the solution, but also understand and explain *how* they solved a problem before they progress through the various written calculation methods.

As a school we are trialling the Bar Model as a representation. In KS1 this may form part of the recording towards a written calculation. In KS2 this will be used a pictorial aid to guide children to choose the appropriate strategy.