St Mary’s RC School Maths calculation Policy 2023-2024

This policy is largely adapted from White Rose Maths to support a mastery approach to learning.

Progression within each area of calculation is in line with the programme of study in the 2014 National Curriculum.

This calculation policy should be used to support children to develop a deep understanding of number and calculation. This policy has been designed to teach children through the use of concrete, pictorial and abstract representations.

*Concrete representation—* a pupil is first introduced to an idea or skill by acting it out with real objects. This is a ‘hands on’ component using real objects and is a foundation for conceptual understanding.

*Pictorial representation – a pupil has sufficiently understood the ‘hands on’ experiences performed and can now relate them to representations, such as a diagram or picture of the problem.*

*Abstract representation*—a pupil is now capable of representing problems by using mathematical notation, for example 12 x 2 = 24.

This document is broken down into addition and subtraction, and multiplication and division.

Each operation is then broken down into skills and each skill has a dedicated page showing the different models and images that could be used to effectively teach that concept.