

## Statement of Intent, Implementation and Impact for Maths

### Intent

Mathematics is an important creative discipline that helps us to understand and change the world. We want all pupils at Compton and Up Marden CE Primary School to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding.

At Compton and Up Marden we foster positive can do attitudes and we promote the fact that 'We can all do maths!' We believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts through manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich and sophisticated problems.

Children will spend time becoming true masters of content, applying and being creative with new knowledge in multiple ways.

We aim for all pupils to:

- become fluent in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- be able to solve problems by applying their mathematics to a variety of problems with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios reason mathematically by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.
- have an appreciation of number and number operations, which enables mental calculations and written procedures to be performed efficiently, fluently and accurately to be successful in mathematics.

### Implementation

We teach the National Curriculum, supported by a clear skills and knowledge progression using The White Rose materials to support. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. Medium term plans have been created by our Maths Lead in order for

us to best meet the needs of our children. Children are taught Mathematics for approximately 1 hour daily. Support is determined during each lesson to ensure secure understanding based on the needs of the child. Challenge is visible throughout the whole session, where children are asked to reason and prove their understanding at a deeper secure level.

### Impact

By the time children leave our school they will:

- be fluent in the fundamentals of mathematics with a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- have the skills to solve problems by applying their mathematics to a variety of situations with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios.
- be able to reason mathematically by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.