



## Maths Curriculum Statement

### **Intent**

At Woolhampton we aim to provide children with a maths curriculum that is creative and engaging where all children can access the learning and make progress in lessons. We provide practical, language rich environments and encourage a deeper understanding of learning. It is our intention to provide children with the skills to be able to recognise the importance of Maths in the wider world and to use their mathematical skills and knowledge confidently in their lives in a range of different contexts. We want children to enjoy Maths and to experience success in their subject with the ability to reason and problem solve. Our maths curriculum is based upon a mastery approach which enables children to acquire deep, long term understanding of mathematical concepts. Through high quality teaching, we support children in making connections and seeing the structure of maths. Our aim is for children to be fluent in the fundamentals of mathematics with a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

### **Implementation**

Our curriculum is shaped by our school vision which aims to enable all children to flourish. To ensure consistency and progression, we base our maths curriculum on White Rose which promotes a mastery approach. Lessons may be personalised to address the individual needs and requirements for a class with further resources taken from Maths Shed and the NCETM.

Within lessons, teachers use the CPA approach (concrete, pictorial, abstract) ensuring children have a connected, meaningful understanding of key mathematical concepts underpinned by basic skills.

An emphasis is placed on maths talk and the understanding of key mathematical vocabulary. Teachers encourage the use of stem sentences to promote mathematical discussion and a deeper level of thinking. We provide children with opportunities to discuss, reason, question and enquire through paired, small group and whole class teaching. Children are actively encouraged to show and prove their understanding and reasoning and to not just accept the first answer.

At Woolhampton, the Maths Curriculum consists of:

- Topics that are taught in blocks to enable to achievement of mastery over time.
- Daily maths fluency, featuring tailored questions to revisit topics, address misconceptions and retrieve prior learning. This is further supported through the teaching of basic maths skills using the Mastering Number problem in Key Stage 1.
- Problem starters requiring discussion and reasoning in order to spark inquisitive thinking and creativity. Once led through differing strategies and approaches by the class teacher, the children can then work independently to test their fluency, reasoning and problem solving skills.
- Opportunities for deeper level application of mathematical skills and knowledge.
- Opportunities for self marking and peer assessment.
- Differentiated questioning and marking which helps to identify those children who need additional support, extra time for consolidation and interventions to support their learning.

### **Impact**

We strive to ensure that our children's attainment is in line with or exceeds their potential when we consider the varied starting points of all our children. We measure the children's attainment using a combination of summative and teacher assessment. The impact of the teaching is reviewed through regular internal and external moderation, and regular monitoring of books and learning environments. Children will be able to explain, describe, justify and prove their understanding of maths and to deepen their learning by asking mathematical questions. Children will leave Woolhampton with the vital mathematical skills needed for the real word and everyday life.