

# Statement of Intent for Mathematics

## Intent

At Moredon Primary and Nursery School, we want to ensure that our pupils have the opportunity to develop their mathematical potential through a rich and engaging curriculum. We want our children to feel confident in using and applying Mathematics in a wide range of situations. We also aim to develop lively, enquiring minds which encourage pupils to become self-motivated, confident and to feel challenged in order to solve problems that will become an integral part of their future.

We aim for children to develop a 'Can Do' attitude to Mathematics by following the Mastery approach. We do this by ensuring every child has achieved in a lesson, even if the lesson has been adapted to suit a learner's differing needs, and by celebrating these achievements.

As well as this, we want our children:

- To become fluent in the fundamentals of mathematics so they have a deep, conceptual understanding of what has been taught and that they are able to recall and apply knowledge quickly and accurately;
- To reason mathematically by following a line of enquiry and justifying themselves mathematically, including using correct mathematical vocabulary;
- To solve problems by applying their mathematical knowledge and understanding to a range of increasingly complex problems and developing strategies to help them solve these problems.

## Implementation

Our school curriculum is based wholly on our school vision. We want children to reach their new horizons through a journey of mathematical knowledge regardless of their background, ability or additional needs.

We teach to the National Curriculum to help us ensure that the curriculum is progressive across the school. This is then broken down into smaller, manageable steps using the Can Do Maths program of study, which ensures a clear progression across the year and that lessons are appropriately sequenced.

Children are taught Maths for approximately an hour a day. This is split between their Maths lessons and their Memory Maths lesson. Challenge is visible throughout the whole lesson and children are given opportunities to reason and to solve problems throughout each lesson.

### Lesson Design

#### **Main Maths Lesson**

*Hook* – An activity or question to lead learners into the lesson

*Teaching* – Where teachers introduce today's learning and children are given opportunities to explore this further as a whole class using both their reasoning and problem solving skills.

*Practising* – Children are given 5 or 6 examples to solve

*Reasoning* – Children can discuss a misconception

*Problem Solving* – Children apply their mathematical knowledge and understanding.

#### **Memory Maths**

This is a short skills lesson where children are given the opportunity to practise previous learning from earlier in the unit, earlier in the year or from the previous year.

This may be used to prepare children for future learning or to revise learning in the past so that it becomes embedded.

## Impact

By the time children leave our school, we strive for them to be fluent in the fundamentals of Mathematics and be able to recall facts rapidly and with great accuracy. We also aim for children to reason by explaining and justifying their answers and thoughts using their mathematical vocabulary and to also solve problems by applying their knowledge and understanding to a range of increasingly sophisticated scenarios and problems. Lastly, we aim for all children to become confident in their own ability in Maths and to have the confidence to say "I can do Maths."