



Menston Primary School Mathematics Curriculum Statement

Quality of Education in Mathematics at Menston Primary School

At Menston Primary, we strongly believe in inspiring all to achieve their full potential. Through our curriculum, we believe that every child has the right to rich, challenging and exciting experiences to help nurture a lifelong love of mathematics. It is our intention for all pupils to leave Menston Primary School as confident, skilled and resilient mathematicians who understand that mathematics is a fundamental part of everyday life and the world we live in.

We want learners to appreciate and embrace the everyday application of their mathematical skills and to feel confident to calculate and challenge. 5 key ideas underpin the way that maths is taught and experienced by our learners. These are:

- **Coherence**
- **Representation and Structure**
- **Mathematical Thinking**
- **Fluency**
- **Variation**

Our aim is for all learners to think mathematically, enabling them to reason, solve problems, and make connections that they will need in their everyday lives.

We will

- implement the National Curriculum for learners from EYFS to Year 6 and ensure that key knowledge and learning is introduced in small progressive steps to learners.
- foster positive attitudes, engagement and deep understanding through the teaching and learning of mathematical concepts.
- ensure pupils become fluent in the fundamentals of mathematics, developing conceptual knowledge and an ability to recall and apply knowledge rapidly and accurately.
- ensure that pupils can reason mathematically and solve problems
- strive for learners to develop a 'can do' attitude and perceive themselves as mathematicians.
- broaden learner's knowledge and understanding of how mathematics is used in the wider world.
- teach learners to use and understand mathematical language.

Our Mathematics Mastery curriculum has been developed to ensure every child can achieve excellence in mathematics. It provides pupils with a deep understanding of the subject through concrete, pictorial and abstract representations of mathematical concepts. Learners will experience the 5 Key mastery principles leading to a deep understanding of their learning. We follow the White Rose Maths schemes of learning, as it ensures a progressive maths journey for our learners. Teachers use these resources as well enhancing these with other learning opportunities which ensure variation and depth of challenge. We provide opportunities for learners to regularly apply their understanding through problem solving and investigation. Introducing learners to key mathematical vocabulary through explicit teaching and modelling will provide learners with the language that they need to reason mathematically and explain their understanding. We want pupils

to have a clear vision of themselves as learners; working their own accurate starting point and pace. Flexible groupings, engaging activities and an environment that embraces mistakes as learning opportunities, allow this vision to become a reality. Learners are assessed summatively through pre and post assessments as well as termly assessments. Formative assessment through high-quality questioning and carefully chosen tasks also allow teachers to identify misconceptions and plan interventions.

Learners at Menston Primary will enjoy mathematics and develop a positive attitude to learning. They will be fluent in the fundamentals of mathematics, with well-developed conceptual knowledge and an ability to recall and apply knowledge rapidly and accurately. They will be able to confidently apply this knowledge to a range of problem-solving contexts and investigations. They will have a good understanding of key mathematical language and will be able reasoning and explain using this. Learners will leave Menston Primary as confident mathematicians, achieving the best of their ability and ready to face mathematical challenges in the wider world.