

Mathematics Curriculum Statement



Intent

We believe every child can do maths. We aim to facilitate highly effective teaching and practical, challenging and engaging learning whilst supporting children on their journey towards mastery. Every adult has the highest expectations of children and expects all children to attain high standards. Children are expected to develop a deep understanding of a concept through mathematical reasoning before progressing to the next level.

We aim to ensure that concrete, pictorial, and abstract (CPA) understanding is integrated into lessons alongside procedural and factual fluency. We believe that maths does not rely on rote learning of facts and procedures without the knowledge to use them effectively. There is a focus on numbers and calculation from the beginning.

We aim to promote positive attitudes towards maths as we believe there is a link between success, confidence and enjoyment. We achieve this by using maths across the curriculum and by making maths fun.

The National Curriculum for Mathematics aims to ensure that all pupils:

- Become fluent in the fundamentals of Mathematics
- Can reason mathematically
- Can solve problems by applying their Mathematical skills.
- Develop, understand and use Mathematical vocabulary.

Implementation

At Kensington Avenue Primary School, we are committed to ensuring all pupils can think like mathematicians and therefore have embedded and developed these skills within our Maths lessons guided mainly by the White Rose Maths Scheme.

This means ensuring a curriculum that is fully inclusive and as mathematicians, pupils will:

- develop and consolidate basic mathematical skills and vocabulary.
- develop pupils' fluency and understanding of Mathematics, enabling them to practice fundamental skills.
- reason mathematically and think critically to communicate their strategic understanding through mastery.
- apply learnt mathematical skills in different contexts across the curriculum and in real-life situations.
- develop pupils' curiosity and enjoyment of Mathematics through the use of 'super movers', maths games and the use of relevant apparatus, including Numicon, so that they can experience success in the subject.
- to be able to recall and effectively understand the times tables.

Pupils are regularly required to share new concepts within the context of a problem. This encourages discussion, reasoning, and awareness of maths in relatable real-life contexts that link to other areas of learning.

Our EYFS and KS1 pupils are always offered objects (concrete manipulatives), and this is good practice for some of our older pupils, too, to ensure solid foundations of understanding.

In EYFS and KS1, we follow the NCETM mastering number program to secure understanding. Each lesson provides the means to achieve greater depth, with all pupils being offered complex problems and exploratory and investigative tasks to apply their knowledge.

Impact

Kensington Avenue Primary School maintains high standards in Mathematics for all pupils. Regular and ongoing assessments inform teaching, and we provide intervention and support to pupils enabling success for all with mathematics. The logical and methodical White Rose Maths Scheme and is used to support teachers in planning well-crafted lessons which foster deep conceptual and procedural knowledge. This, along with precise questioning, regular practice and consolidation, allows teachers to identify those pupils who require intervention and address this quickly.