



Mathematics Policy

2021 – 2022

Vision

At Manor Park Primary Academy, we believe that every child should have the opportunity to reach their potential in Mathematics and have the necessary skills to succeed in the modern world. As such, our curriculum is designed and implemented with the requirements of the National Curriculum at its core and delivered through broad, engaging and relevant lessons that allow children to engage more deeply with the subject and experience the inter-connectivity of maths with the wider curriculum and the world outside of school.

Intent

Aims of our mathematics curriculum

The curriculum will:

- Deliver lessons that are creative and engaging.
- Enable children to make rich connections across mathematical concepts.
- Follow a mastery concept, which encourages children to dig deep into topics.
- Allow children to develop fluency, mathematical reasoning and competency in solving increasingly sophisticated problems.
- Demonstrate that mathematics is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment.
- Develop a sense of enjoyment and curiosity about the subject.

Implementation

Our maths planning is based on Schemes of Learning from White Rose Maths (WRM) and enhanced by a wide range of resources to support reasoning and problem solving. This enables children to follow a sequential and progressive curriculum in every year group and across the Key Stages. Teachers know which objectives must be taught and the small steps needed to ensure pupils gain a comprehensive understanding of a given topic.

As a school, we place great emphasis in ensuring consistency of practice during lessons, which allows the children to progress from skill fluency to reasoning and problem solving, thus ensuring an excellent depth of knowledge.

As such, maths lessons at MPA follow a clearly defined structure. Times table and arithmetic practice begins the lesson, followed by an Assessment for Learning based on the learning question for the lesson. Children are then re-grouped, with focus groups being formed for those who require support.

Impact

The impact of our curriculum's implementation is measured in a number of ways:

- Prior to each block, children complete a pre-assessment check and then, at the end of the block, a post assessment check.
- Daily marking of work completed in lessons allows teacher to address any misconceptions immediately.
- Termly testing (WRM Term Tests) and PUMA (Rising Stars) assessments thrice yearly.
- Arithmetic is tested weekly, with scores logged.
- Times Table fluency and speed of recall is tested weekly using TT Rock Stars.

Monitoring

Monitoring is an important way of maintaining and improving standards. Book looks and learning walks are carried out in line with the school's monitoring calendar by the school's Leader of Mathematics. Feedback then gives teachers clear next steps and these are monitored to check they have been actioned. This ensures continuity, progression and consistency across all maths lessons in all year groups.