

Maths Policy



Date approved:	INSERT DATE
Approved by:	Directors/CEO/CEA
Date adopted by the MAT (i.e. effective date):	October 2024
This policy is scheduled for review on:	Every 3 years or on updates

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Policy Statement

This policy outlines Manor Multi Academy Trust's ('we' / 'our' / 'us') expectations of our employees' ('you') in relation to the Math policy.

We are committed to equality and value diversity. As such we are committed to fulfilling our Public Sector Equality Duty (Equality Duty) obligations and expect all staff and volunteers to share this commitment.

This policy should also be applied in accordance with: our Staff Code of Conduct, Safeguarding and Child Protection, ICT Acceptable Use policies and Procedures, Health and Safety Policy and Curriculum Policy. Copies of all policies and procedures can be accessed via the **All MAT Staff** area on Teams.

The Equality Duty requires us to have due regard to the need to:

- Eliminate unlawful discrimination, harassment, and victimisation.
- Advance equality of opportunity.
- Foster good relations between people who share protected characteristics, such as age, gender, race and faith, and people who do not share them.

If you consider that any of our practices, policies or procedures may be indirectly discriminatory, you should report your concerns and the basis for them to your line manager, who will take appropriate action and ensure that you receive a written response in respect of the concerns that you have raised.

This policy does not form part of your contract of employment. We reserve the right to amend or withdraw this policy at any time.

We are responsible for ensuring the effective implementation of this policy. As part of equality monitoring, we will review and monitor the operation and impact of the policy on a regular basis and in accordance with the policy review date. As part of this monitoring and review this policy will be equality impact assessed.

Scope

This policy applies to employees, workers, agency workers, consultants, volunteers and pupils, whether during working hours or otherwise.

Aims & Principles

At East Park Academy, as part of the Manor Multi-Academy Trust (Manor MAT), we are committed to bringing the "Manor Mindset" to life within our maths curriculum. The Manor Mindset, focusing on integrity, resilience and excellence, underpins our approach to fostering a creative, inclusive and inspiring learning environment in mathematics. This policy outlines how we aim to build meaningful connections with learners, families, and the wider community through the exploration of mathematical concepts, problem-solving and critical thinking, helping every learner develop the skills, confidence and character needed to appreciate and contribute to the world of mathematics.

The Manor Mindset inspires us to encourage learners to engage deeply with maths, fostering curiosity, logical reasoning, and innovative thinking. We believe that through the study of mathematics, learners can develop a deeper understanding of themselves, others, and the world around them, gaining confidence in their ability to solve problems and articulate mathematical ideas. Effective communication is central to our maths curriculum, where learners are encouraged to share their thought processes, collaborate with peers and reflect on their problem-solving strategies, ensuring that their learning is both meaningful and transformative.

Through compassionate support and structured challenges, our approach reinforces the values of resilience and reflection, encouraging learners to take intellectual risks, learn from mistakes, and refine their understanding through perseverance. We utilise a variety of teaching techniques—including hands-on activities, real-world applications and digital tools—to make the subject engaging, accessible and relevant, always guided by the Manor Mindset's commitment to excellence. By cultivating a culture of curiosity, open-mindedness and critical analysis, this policy ensures that every learner connects with maths in meaningful ways, growing into confident, capable individuals who appreciate the power of mathematical thinking to create brighter futures together.

Vision

At East Park, our intent for maths education is to develop a strong foundation of knowledge, skills, and character—empowering learners to contribute meaningfully to their families, community, and the world. Our maths curriculum is guided by the East Park 8 values: Voice, Creativity, Independence, Collaboration, Leadership and Responsibility, Determination, Kindness and Self-Belief. These values shape our learners' experiences, ensuring they grow into confident, capable and compassionate individuals who are curious about the world of mathematics.

We prioritise voice by giving learners the confidence to discuss and express their thoughts on mathematical concepts. Creativity is encouraged through exploring and presenting mathematical ideas in varied, imaginative ways. We promote independence by equipping learners to investigate and solve problems autonomously, building resilience and

adaptability. Collaboration is key to learning in maths, as learners work together to explore, solve, and understand diverse mathematical challenges.

Leadership and responsibility are fostered as learners take pride in their achievements and engage in responsible problem-solving. We emphasise determination by encouraging learners to overcome challenges in their mathematical endeavours, developing perseverance. Kindness underpins our exploration of real-world applications of maths, fostering empathy and an appreciation for different perspectives. Finally, self-belief is nurtured as learners develop confidence in their mathematical skills and understanding, trusting in their ability to contribute meaningfully to the world of mathematics.

Our maths curriculum aims to be purposeful, engaging, and inclusive, adapting to meet each learner's needs while providing access to age-appropriate, challenging content. Ultimately, we strive for every child to leave East Park with a deep understanding of mathematics, a curiosity about its applications in the world, and the knowledge, skills and character to grow both in mind and heart, enabling them to be as happy as they are successful.

Intent

At East Park Academy, we are mathematicians...

'The enchanting charms of this sublime science, mathematics, reveal only to those who have the courage to go deeply into it.' Carl Friedrich Gauss

Our maths curriculum is coherently sequenced to ensure all learning builds on prior knowledge, progressing towards meaningful goals. From EYFS, where learners develop foundational numeracy skills and explore basic mathematical concepts through play, to KS1, where they begin to understand and describe various mathematical operations and relationships, students build essential mathematical skills. By KS2, they advance to more complex problem-solving techniques, mathematical reasoning, and data analysis, enhancing their critical thinking and inquiry-based approaches.

This progression of skills ensures learners are well-prepared for KS3, where they will apply these abilities to tackle sophisticated mathematical challenges, make informed decisions, and conduct independent investigations. We blend established teaching fundamentals with modern research to inspire creativity and critical thinking, preparing learners for the changing world around them and for life beyond school.

We believe that maths is an important part of our curriculum because it...

- Is essential to every-day life.
- Is critical to science, technology, and engineering
- Is needed for most forms of employment. - It provides a foundation for understanding the world
- Develops reasoning skills
- Develops resilience
- Sharpens your logical and analytical thinking
- Develops problem-solving skills

Without maths, learners would not be able to:

- Have the opportunity to apply for all jobs.
- Make sense of the world around them.
- Complete every-day tasks with confidence.
- Take charge of their own finances and manage budgets.
- Access learning in other areas of the curriculum e.g. geography and science.

Implementation

At East Park Academy, our curriculum incorporates the statutory requirements set out in the Early Years Foundation Stage framework and the National Curriculum but has been designed to go above and beyond this to provide learners with enriching learning opportunities that enhance their cultural capital. Our bespoke curriculum has been personalised to our school's geography and learners' unique experiences.

Our carefully designed schemes of work ensure a progression of mathematical concepts, knowledge and skills from Reception to Year 6. The following key mathematical concepts are at the core of our curriculum:

Our Maths lessons develop 'key concepts':

- Number and place value
- Pattern - Calculation
- Fractions
- Measurement
- Shape and space
- Statistics
- Algebra

Mathematical vocabulary is also planned for and continually built upon to support children to 'think and talk like mathematicians.'

Maths is taught every day and additional daily "mastering number" sessions are delivered as part of our Early Maths provision. We currently follow the Power Maths scheme but have personalised it to meet the needs of our learners. The long-term planning is blocked each term to ensure depth in coverage and to aid children's recall and retention of their learning. Medium term plans for each topic reflect prior learning and future learning, including the future KS3 curriculum expectations, to ensure learning is well-sequenced and progressive. Links are explicitly made between their maths learning and other curriculum subjects, to further enable learners to build secure mental schema of the concepts being taught.

We are committed to teaching high quality maths lessons that meet the needs of our learners. By the time our children leave East Park Academy in Year 6, they will...

...know	<ul style="list-style-type: none"> - Times table facts to 12 x 12 - Names and properties of 3d and 2d shapes - Units of measure and the relationship between them - The relationship between fractions, decimals and percentages.
...be able to	<ul style="list-style-type: none"> - Calculate using all four operations-mentally and using written methods. - Reason about their mathematical learning - Solve problems using the 7 areas of problemsolving.
have experienced	<ul style="list-style-type: none"> - Hands-on maths using a range of equipment and varied fluency. - Regular problem-solving opportunities - Explicit teaching of mental strategies - Participation in mathematical competitions - Application of maths in other subjects - Success and confidence in maths.

Impact

Formative assessment of a learner's progress takes place during each lesson through questioning, observation and written outcomes. As part of the East Park Academy feedback policy, verbal feedback is given to the learners regularly and over the shoulder marking happens where necessary so that immediate feedback can be given and acted upon.

Learners are formally assessed against identified criteria three times per year and this is used to identify gaps or misconceptions that they have in their learning and use this to inform future planning. These assessments inform the summative assessment that teachers make at the end of each academic year. As a result, learners make rapid and sustained progress from their relative starting points.

Lessons and outcomes are monitored frequently by the maths subject lead, along with pupil voice discussions, and evaluations of these are used to continually enhance our maths curriculum design and delivery.

Breach of Policy

Any breaches of this Policy will be managed under the Trust's Disciplinary Policy and Procedure, which can be located in the **All MAT Staff** area on Teams.

