East Park Primary School

Respect, grow, believe and achieve together

Mathematics

Intent, Implementation and Impact

2026

Mathematics Intent

At East Park Primary School, our vision is for every child to become a confident, capable and enthusiastic mathematician who develops a lifelong appreciation **of mathematics. Our mathematics curriculum is informed by the National Curriculum and provides ambitious, engaging, creative and carefully sequenced learning opportunities that enable all children to flourish and achieve their full potential.**

We believe that every child can succeed in mathematics. Through high-quality teaching and a commitment to our school values of Respect, Grow, Believe and Achieve Together, we encourage children to develop the knowledge, skills and confidence needed to become independent mathematical thinkers.

Our mathematics curriculum aims to develop three key areas: fluency in the fundamentals of mathematics, the ability to reason mathematically and the confidence to solve problems by applying mathematical knowledge and skills. These principles are embedded throughout our teaching and revisited consistently to ensure children develop secure understanding and make meaningful connections in their learning.

We encourage children to be **Polite** by listening respectfully to others, valuing different approaches and confidently sharing their mathematical thinking. We expect children to be **Prepared** to embrace challenges, use their mathematical knowledge and develop the resilience needed to tackle unfamiliar problems. Above all, we want our children to feel **Proud** of their achievements, recognise their progress and celebrate their successes as mathematicians.

We recognise that mathematics is an interconnected subject. Children are supported to make rich connections between mathematical concepts, moving fluently between different representations and applying their knowledge across a range of contexts, including science and other curriculum areas. We want our children to understand the importance of mathematics in the wider world and to use their skills confidently in everyday life.

In line with the National Curriculum, our curriculum is carefully sequenced to build upon prior learning and develop knowledge progressively. We recognise that children learn at different rates and ensure that progression is based on the security of their understanding. Children who grasp concepts quickly are challenged through rich and sophisticated problems, while those who need further support are given opportunities to revisit, practise and consolidate their learning.

Through our shared belief that we can **Grow, Believe and Achieve Together**, we aim to nurture positive attitudes towards mathematics, ensuring every child feels valued, supported and empowered to succeed.

Mathematics Implementation

At East Park Primary School, the teaching of mathematics begins in the Early Years Foundation Stage, where children are immersed in mathematical language, experiences and opportunities to explore mathematical concepts through purposeful play and continuous provision. Mathematical learning is developed across all seven areas of learning, helping children to recognise and make connections between mathematics and the world around them.

In the Early Years, we establish strong foundations in number, developing children's deep understanding of numbers to 10, including number composition, subitising and automatic recall. Through numerical patterns, children explore quantity, pattern and distribution, while spatial reasoning is developed through practical experiences and continuous provision.

As children progress through the school, mathematics teaching is carefully designed, planned and delivered to ensure all pupils are appropriately supported and challenged. We follow the National Curriculum and use the White Rose Maths schemes of learning to support curriculum planning, sequencing and assessment.

Lessons are designed to meet the needs of all learners through carefully adapted teaching, targeted support, small-group work and mixed-ability whole-class teaching. We provide a rich mathematical learning environment, making effective use of resources, mathematical vocabulary, questioning and discussion to develop secure understanding and mastery.

Mathematics is taught discretely to provide depth, breadth and progression across the curriculum. Each lesson builds upon prior knowledge and is underpinned by the development of essential mathematical skills. Learning is broken down into small, carefully sequenced steps to enable children to develop a secure understanding before moving on to more complex concepts.

Lessons begin with planned opportunities to practise counting, arithmetic and essential mathematical skills. Through guided practice, children revisit and reinforce prior learning, strengthening their fluency and confidence. Teaching focuses on the three key strands of **fluency, reasoning and problem-solving**, ensuring children can apply their knowledge, explain their thinking and tackle increasingly challenging mathematical situations.

We use the concrete, pictorial and abstract (CPA) approach to support children's understanding. Children are encouraged to explore mathematical concepts using practical resources and manipulatives before moving towards pictorial representations and abstract mathematical methods. This enables them to develop a deeper understanding of mathematical concepts and make connections between different representations.

Our school values are integral to the way mathematics is taught and experienced:

- **Respect:** Children listen to one another, value different strategies and approaches, take turns and appreciate that there can be more than one way to solve a problem.
- **Grow:** Children are encouraged to embrace mistakes as opportunities to learn, develop resilience and persevere when faced with mathematical challenges.
- **Believe:** We foster positive mathematical attitudes, encouraging every child to believe in their own ability and understand that everyone can make progress and succeed.
- **Achieve Together:** Through discussion, paired work, collaborative problem-solving and shared learning experiences, children support and encourage one another to achieve their best.

Our school motto, **Polite, Prepared and Proud**, is reflected in every mathematics classroom. Children are polite and respectful learners, prepared to engage with new learning and mathematical challenges, and proud of their effort, progress and achievements.

At the end of each mathematics block, children complete an end-of-block post-assessment. This allows teachers to identify gaps in understanding, evaluate progress and plan appropriate intervention and further opportunities for challenge. Ongoing formative assessment and teacher questioning also inform teaching and ensure that learning is responsive to children's needs.

Mathematics Impact

At East Park Primary School, the impact of our mathematics curriculum is reflected in children who are confident, resilient and enthusiastic mathematicians. They develop secure mathematical knowledge, demonstrate increasing independence and can apply their understanding to a range of problems and real-life situations.

We expect the majority of pupils to progress through the National Curriculum programmes of study at broadly the same pace. However, progression is always informed by the security of children's understanding and their readiness to move forward. Pupils who grasp concepts quickly are challenged through rich and sophisticated problems that deepen their reasoning and understanding. Those who require additional support are provided with opportunities to revisit and consolidate prior learning to ensure they develop the necessary fluency and confidence.

The impact and effectiveness of our mathematics curriculum are monitored through a range of approaches, including:

- Book scrutinies and reviews of children's recorded learning.
- Subject-specific learning walks.

- Lesson observations.
- Discussions with teachers and pupils.
- Analysis of formative and summative assessment information.
- Monitoring of progress and attainment throughout the academic year.

Assessment information is used to evaluate the effectiveness of teaching, identify areas for development and inform future planning, ensuring that all children are supported and challenged appropriately.

As a result of our mathematics curriculum, children develop the confidence and competence to reason mathematically, solve problems and explain their thinking using appropriate mathematical vocabulary. They can make connections between different mathematical concepts, recognise the relevance of mathematics in everyday life and approach new challenges with resilience and determination.

Most importantly, our children develop a positive attitude towards mathematics. They respect the ideas and contributions of others, grow through challenge and experience, believe in their own abilities and achieve together.

By living out our school values and embracing our motto, **Polite, Prepared and Proud**, we aim to ensure that every child leaves East Park Primary School as a confident mathematician, equipped with the skills, knowledge and positive attitudes needed for the next stage of their learning and for life beyond the classroom.