Eastcroft Park



Mathematics Policy

Maths Subject Lead: Mrs K Mitchell

Philosophy

At Eastcroft Park, we are all mathematicians! We believe that mathematics is a vital skill for life. It helps children make sense of the world around them, solve problems and think logically. We aim to make every child feel confident and successful in mathematics, while also helping them see how it connects to real life.

Why We Teach Mathematics

The national curriculum for mathematics aims to ensure that all pupils:

• Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

• Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

• Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Our aim is to help all children become confident, curious and capable mathematicians. We want them to:

- Develop a strong understanding of number and key mathematic skills.
- Be able to explain their thinking using clear mathematical language.
- Enjoy solving problems and be resilient when things are tricky.
- Use what they learn in mathematics across other subjects and in everyday life.

We follow the National Curriculum and use the Maths — No Problem! scheme, which supports a mastery approach to teaching Maths. This ensures every child has the chance to build a deep understanding of Maths.

How We Teach Mathematics

Maths is taught daily in every class from Year 1 to Year 6. Children learn through a mix of practical activities, visual representations, and written methods. This is called the CPA approach (Concrete, Pictorial, Abstract). Lessons include:

- Whole-class teaching using *Maths — No Problem!* textbooks and workbooks.
- Plenty of opportunities for children to discuss, reason and explain their ideas.
- Use of equipment like counters, cubes, place value charts, and drawings to support children and help deepen their understanding.

Supporting All Children:

We believe that **every child can succeed in Maths**. All children learn the same concepts, with support or challenge as needed. Children who need extra help may receive support through small groups, targeted interventions, or scaffolds. Children are also challenged through rich tasks and reasoning activities.

Additional Maths Practice:

- **Basic Skills sessions** take place regularly and focus on fluency in number facts, times tables and mental strategies. Although Basic Skills sessions focus heavily on number and calculation, they are also used to pre-teach concepts and revise and revisit key learning from other areas of the maths curriculum.
- In **Key Stage 2**, children also take part in a daily **Magic Number** activity. This develops fluency, reasoning and number confidence.
- Homework is set to reinforce skills taught in class.

Mathematics is a powerful tool for solving problems which can be applied to a variety of real life scenarios. It is an essential skill that is transferable to other areas of the curriculum, enabling children to further embed their mathematical understanding in the cross curricular environment that is encouraged at Eastcroft Park.

Parental Involvement:

We value working in partnership with parents. We would like parents to have a clear understanding of the ideas, approaches and methods that we use to teach maths in our school. If parents have any questions about the way maths is taught then they are welcome to contact their child's class teacher. We also encourage use of tools like Times Tables Rock Stars at home.

Maths in EYFS:

Nursery and Reception use Master the Curriculum which is based on White Rose Maths. This Mathematics programme involves providing children with opportunities to develop and improve their skills in counting, subitising, understanding and using numbers, calculating, simple addition and subtraction problems; and to have an understanding of numerical patterns. Children in reception work towards the Early Learning Goals for mathematics. Children complete Maths lessons daily and in reception regularly complete activities in individual maths books as well as completing tasks through continuous provision.

The Difference It Makes

Assessment:

We measure progress in a variety of ways: ongoing checks in lessons to spot and address misunderstandings; termly assessments using the *Maths — No Problem!* insights tools and children's work and participation in lessons. Teachers use this information to plan next steps and make sure all children are making good progress. By the time children leave Eastcroft Park, they are confident and well-prepared for the next stage in their learning. They can solve problems, explain their thinking, and feel positive about mathematics.

Feedback and Marking:

Marking is done during lessons wherever possible; this helps us give children instant feedback. Children in KS2 may also take part in guided marking of their own work to develop independence and again receive instant feedback and praise. In our Maths lessons, mistakes are seen as learning opportunities and children are given time to check, correct and improve their work in line with feedback.

Promoting and Celebrating Maths:

At Eastcroft Park, we believe it is important to promote and celebrate children's achievements in mathematics to build confidence and enthusiasm for the subject. Certificates are awarded weekly during praise assemblies to recognise effort, progress, and excellence in Maths. Classrooms feature interactive Maths displays and working walls that support learning and celebrate pupil work. Across the school, shared display spaces are used to highlight Mathematical approaches. In addition, Times Tables Rock Stars is actively used to encourage fluency in multiplication, with class leaderboards and individual achievements displayed to motivate and celebrate children's success.

Staff Training and Development

We aim to ensure mathematical practice is strong and consistent across the school and so the Maths lead works with a local TRG group where she is supported by a mastery specialist (through the local North West Maths Hub). She also has regular meetings from a local mathematics advisor for the maths Hub and from School Improvement Liverpool. The Maths lead then feedback resources, concepts and updates to staff through regular staff meetings. Whole school INSET days can contain a Mathematical focus when the need is required.

Monitoring and Governance

The Maths Subject Lead regularly reviews teaching and learning through lesson visits, pupil interviews and book looks. Outcomes are shared with the Maths Governor, Mrs L Short, to ensure the subject continues to improve and meet the needs of our pupils.

Policy Written: June 2025 **Policy to be reviewed:** June 2026

This policy reflects the shared belief at Eastcroft Park that every child can achieve in mathematics with the right support, challenge, and encouragement.

'Never settle for less than your best!'