

Maths Policy

Member of staff responsible: J Woods

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Date approved by the Full Governing Board: May 2021

Date to be reviewed: May 2022

Philosophy

At Eastcroft Park School we believe mathematics is an essential skill that provides your child with the necessary knowledge to equip them for both the world of work and further study. Maths enriches your child's aesthetic and linguistic experience by providing them with the means of exploring and explaining both their own and wider environments through practical experiences and the development of logical thought.

Aims

Aims 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. Mathematics is an interconnected subject in which pupils need to be able to move fluently between representations of mathematical ideas. The programmes of study are, by necessity, organised into apparently distinct domains, but pupils should make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems. They should also apply their mathematical knowledge to science and other subjects

What do we teach at Eastcroft Park primary School?

Each class in KS1 and KS2 is taught a daily mathematics lesson following clear objectives which have been developed from the National Curriculum. In these sessions we hope to foster a love of Maths by providing relevant, meaningful, engaging and enjoyable lessons. We aim to make mathematics interesting by encouraging confidence, curiosity and an enthusiasm for the subject through practical experience, oral, mental and written work.

Emphasis is on using a CPA approach to teaching Maths (concrete, pictorial and abstract) using the Maths No problem textbook scheme, which based on a Singaporean technique to teaching mathematics.

At Eastcroft Park children are also taught regular basic skills sessions with includes a large focus on fluency, number bonds, addition and subtraction facts, multiplication and division facts and time tables.

Homework and timestables practice is set on a regular basis to reinforce and consolidate objectives 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 is encouraged. 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.

Assessment

Children are assessed termly using the Maths No problem insights tool. They complete a series of assessments paper over the year and this data is then used by each class teacher to inform of gaps in any learning, areas of secure development and understanding and any misconceptions a child or cohort may have. Staff then use this data and information to help inform planning for future mathematics lessons.

Marking

Marking is completed during the lesson as much as possible. Older children successfully learn to complete guided marking of their textbook work which helps develop levels of independence and the class teacher can instantly see any children who have developed misconceptions or gained a thorough understanding of an objective.

Marking completed by staff will indicate level of support or resources (if any), celebrate children's success and also provide challenge for children to help them develop their application and reasoning skills further. Marking will also indicate errors and pupils are provided with the opportunity to re-check and correct their work.

Staff CPD

The Maths lead works with a local TRG group where she is support 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.

Governance

The Maths Governor is MR J Barry and the Maths leader feeds back and meets with him on a regular basis.

This policy is to be reviewed on a two yearly cycle- Next review 2022