

Maths Policy 2017

“The national curriculum for mathematics aims to ensure that all pupils: become fluent in the fundamentals of mathematics ... reason mathematically by following a line of enquiry ... and solve problems by applying their mathematics to a variety of routine and non-routine problems. ... “
(National Curriculum 2014 DFE).

Aims of the Policy

- To ensure the fulfilment of statutory requirements.
- To provide effective learning opportunities enabling all pupils to receive their full entitlement to the maths curriculum as outlined in the 2014 National Curriculum for KS1.
- To ensure that pupils develop their knowledge and understanding of mathematics through practical activity, exploration and opportunities to apply their mathematical skills to solve real life problems.
- To arouse and sustain pupils interest in maths providing a challenging learning environment to extend their experience, knowledge and understanding.
- To promote links with other curriculum areas.
- To consider the general teaching requirements for inclusion, use of language and I.C.T., and health and safety when planning for mathematics.

Planning

- Planning should show due regard to the programmes of study and breadth of study requirements for maths. We use the new National Curriculum in Key Stage 1 and the Guidance for Planning in the Foundation Stage.
- Teachers in KS1 should use the medium term plans written by the Maths Co-ordinator but adapt them to their own classes/year groups as needed.
- The Teaching of Mastery document by the NCETM should be used when planning to help identify appropriate models and images that can be used to support teaching in different areas of maths and to identify how to help children achieve greater depth,
- Due regard should be paid to the school’s calculation policy to ensure teaching of new content and strategies occurs in a progressive order.
- Gaps in children’s knowledge should be identified by using the tracking grids I the front of their books and then lessons planned to address these gaps.
- Adequate coverage must be given to problem solving, communicating and reasoning.
- Teachers must assess maths in line with the assessment and marking policies of the school.

- Children's books should have lesson objectives clearly displayed so that pupils and adults are aware of what the learning intention is for each piece of work. Key vocabulary for each area of maths should be displayed when needed in the classroom.
- Children should be taught to use the appropriate mathematical language when talking about their methods and explaining their reasoning when solving problems, e.g. mental calculations. See list of key vocabulary to be taught in each year group.
- Teachers planning should show due regard to health and safety issues.
- When planning teachers should set high expectations and provide opportunities for all pupils to achieve regardless of race, gender or disability.
- When planning teachers should use I.C.T. tools to support the pupils learning in mathematics.

This policy has been prepared by the Maths Co-ordinator in consultation with teaching staff and the Headteacher.

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