



The Manor School

Maths Policy

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Introduction

The purpose of this document is to ensure that the National Curriculum for Mathematics 2014 is implemented in a consistent manner throughout the school.

The Manor approach to the teaching of mathematics

At The Manor we aim for the children to master mathematical concepts from reception to year six. Mastering maths means pupils acquiring a deep, long-term, secure and adaptable understanding of the subject. The phrase 'teaching for mastery' describes the elements of classroom practice and school organisation that combine to give pupils the best chances of mastering maths. Achieving mastery means acquiring a solid enough understanding of the maths that's been taught to enable pupils to move on to more advanced material.

The key aims of the teaching of maths are:

- to develop fluency in the mathematical foundations and number operations
- to develop mathematical reasoning through following lines of enquiry, justifying and explaining using accurate mathematical vocabulary
- to develop the ability to solve problems through applying maths in a range contexts with increasing sophistication
- to promote enjoyment in learning through practical activity, exploration and discussion.

Teaching Context

The key learning point of each lesson should be clear to provide a focus so that children see a purpose to their maths learning. Pupils will be given the opportunity to experience a wide variety of mathematics activities intended to develop their knowledge and skills and then apply them to relevant, real life contexts. The children have a 45 minute 'new learning' maths lesson in the morning and a 20-30 minute maths meeting session in the afternoon.

- Skills are practised in both maths new learning lessons and in maths meetings. This can involve using mathematical equipment, a protractor or reading a thermometer.
- Facts are learnt by children and they have a maths facts mat which is sent home at the beginning of the year which builds on the facts which they need to be able to recall.
- Vocabulary is discussed throughout the lesson, children are encouraged to use specific vocabulary when they talk about maths with their peers, teachers and other adults. When giving an answer they children are expected to do so in a full sentence. Mathematical questions and ideas are actively encouraged throughout the school.

The main emphasis will be on giving pupils the opportunity to become confident and competent with number, we want the children to be able to manipulate number and use this throughout all areas of the curriculum. There will also be an emphasis on the importance of developing strategies for tackling problems as well as introducing different ways in which our pupils can communicate their findings.

In all classes children have a wide range of mathematical abilities. We recognise this fact and provide suitable learning opportunities to both scaffold and challenge our learners.

We use the GLOW maths hub to plan and resources our lessons, alongside this we use white rose maths resources, arithmekits and Kangaroo Maths. We have adopted the 'mastery' approach to the teaching of mathematics to ensure we allow enough time for topics to be focused upon in order for the children to establish a greater depth of understanding. We use do it, twist it and solve it to structure our maths lessons as detailed in the maths on a page profile.

Resources

The maths co-ordinator will monitor the equipment and teachers resources, updating, renewing and replacing these items when needed. A basic set of maths resources will be available to each class. The children should be taught and encouraged to take responsibility and care for their own equipment. There is also a variety of maths resources in the resources cupboard which can be borrowed as necessary.

Assessment

All assessment will link closely with the school's assessment policy. In maths, assessments will be carried out on a regular basis at Data Points throughout the year using a combination of Teacher Assessment and a combination of assessment materials from the Glow Maths hub, Rising stars assessment will happen at the beginning and end of the year. Year 2 and 6 have other, additional maths assessments which they complete throughout the year.

A verbal report will be given during Parents' Evenings, and pupils will receive a record of their progress in a mid-year report and a yearly report to parents.

Equal Opportunity

Equal opportunity will be extended to all pupils. All children have an entitlement to access the work outlined within the New National Curriculum for Mathematics 2014 at an appropriate level.

Health and Safety

We recognise the importance of close supervision of the children during activities undertaken outside the classroom. We invite parents and Teaching Assistants to help the class teacher ensure the safety of the children on such occasions.

Special Needs

Those children who are recognised as having special educational needs will follow a similar scheme of work to that of their peers. However, the work, if necessary will be differentiated to meet individual children's needs.

Review of the Policy

At the end of each academic year, or whenever appropriate, this policy will be discussed and if necessary revised in response to any changes made locally or nationally.