

**Introduction**

Alexander Hosea School believes that the teaching of maths should provide all children with the basic numeracy skills required to solve problems in the real world.

Lessons should be interactive and fun and aimed at developing children's numerical thinking and their ability to behave as mathematicians and thereby fulfil their maximum potential in numeracy. Children should be encouraged to talk about their strategies and methods for solving numerical problems and thus grow in confidence as mathematicians whilst at the same time enjoying maths.

**Aims**

This policy is underpinned by the school aims to provide for all the needs of the child through our school vision and values which promotes,

Adaptability

Self-belief

Perseverance

Inclusion

Respect

Enquiry

Mathematics is a core subject within National Curriculum. The aims for mathematics are:

- To be consistent with the objectives from the New Curriculum 2014
- To promote positive attitudes towards mathematics and an enthusiasm for maths learning in school
- To use maths to analyse and communicate information
- To develop mathematical understanding and enquiry through practical problem solving and experiment
- To provide breadth and balance of numerical activities for all children
- To create an awareness of the relevance of maths to the whole curriculum and the wider world, including an understanding of economic well-being
- To provide a differentiated maths curriculum to meet the needs of all the children through the continuity of experiences
- To ensure a progressive development of numerical concepts, knowledge, skills and attitudes

**Guidance**

Children at Alexander Hosea School work on the EYFS curriculum for maths and the year group objectives outlined in the national curriculum appropriate to their ability and development. By the end of Key Stage 2 children will have experienced a balanced range of numerical activities as an integral part of the whole school curriculum.

**Curriculum and School Organisation**

In order to achieve these aims and objectives, the teaching of maths follows the learning objectives of the EYFS and New National Curriculum 2014.

Maths is planned using the relevant year group objectives outlined in the new curriculum; the objectives are then adapted to suit individual needs of the pupils in the class. The objectives form the medium term plan and teachers and teaching assistants work together to personalise this for the pupils into daily/weekly plans for maths teaching.

Mathematics is assessed using the recommended year group objectives and children are assessed as emerging, developing or secure against these objectives. This is recorded on SIMS and analysis is used to inform pupil progress meetings and identify next steps. Some children may achieve 'mastery' status within their year group.

Maths has a curriculum leader who receives any information/resources that arrive in school; any decisions regarding mathematics are made by the curriculum leader, the head and the whole staff at staff meetings.

At Alexander Hosea School class teachers are responsible for their own class organisation and teaching of maths and this reflects the needs and abilities of individual pupils in their class.

Guidance for the teaching of calculation strategies has been developed by the maths leader in consultation with the staff and is used to ensure consistency when teaching calculation methods.

Throughout all aspects of class organisation and teaching style, every effort is made to differentiate work so that it is matched to the individual or group.

Children are actively involved in assessing their learning through Assessment For Learning techniques and the use of Effective Lifelong Learning Inventory language.

## **Resources**

A variety of mathematical resources is available in school.

These include:

- Pupil Text books following national curriculum guidelines for KS2
- Teacher-made resources
- Teacher reference books
- Photocopiable resources
- Online learning/teaching platforms
- Practical Numeracy equipment in all classrooms to regularly support learning in class, including Numicon
- Computer-based materials and software
- Pictorial resources
- Calculators are provided as an aid to calculations

Some resources are shared within year groups and all staff have access to these.

Children can access a range of appropriate resources in the classroom.

## **Equal Opportunities**

All teaching and support staff at Alexander Hosea School are responsible for ensuring that all children, irrespective of gender, ability, ethnic origin and social circumstances, have access to the whole curriculum and make the greatest possible progress.

## Special Educational Needs

All children should have access to a broad, balanced curriculum which includes numeracy and should have the opportunity to make the greatest progress possible. Provision for children with SEN in relation to numeracy is the responsibility of the class teacher, supported by Teaching Assistants and SEN co-ordinator as appropriate.

## Homework

Children are expected to learn multiplication tables as appropriate and have regular maths homework. Children in KS2 have access to an online learning platform to support home learning.

**This policy should be read in conjunction with the Calculation guidance, Homework, SEN and Assessment and marking policies and the National Standards for Subject Leaders Document.**

**This policy has been screened for Equalities Impact Assessment to ensure that we give 'due consideration' to equality of opportunity.**

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