



# Mathematics and Numeracy Policy

Accepted	Review Date
June 2015	June 2017

## **Rationale**

We, the staff of Whitehouse Primary School, teach Mathematics because it is an essential tool for life.

Within our school, we interpret Numeracy to include the teaching of the full Mathematics Programmes of Study and the consolidation and application of these concepts across the other subject areas/areas of study and problem-solving situations.

All mathematical concepts are introduced using the appropriate practical resources and with great emphasis being placed on correct mathematical language. Written work is introduced when children demonstrate a good understanding of the concept being taught.

Ultimately, our aim is that pupils will be able to apply their mathematical knowledge to meaningful situations both across the curriculum and in everyday problem-solving situations.

## **Aims**

We hope to provide high quality Mathematics learning for our pupils. This teaching is underpinned by some key agreed aims.

### **MATHEMATICS FOR ENJOYMENT**

- To develop within our pupils a positive attitude towards Mathematics/Numeracy through promoting the subject in a relevant and interesting manner thus promoting confidence, pleasure and success in the subject.
- To develop in pupils, personal qualities of perseverance, confidence, curiosity, enthusiasm, exploration, independence and co-operation with others.

### **MATHEMATICS AS A SUBJECT IN ITS OWN RIGHT**

- To encourage the effective use of mathematics.
- To develop the ability to think clearly and logically.
- To encourage mastery of basic mathematical skills and knowledge.
- To develop an appreciation of the relationships and patterns in Maths, the following skills will be developed: calculating, classifying, communicating, comparing, constructing, counting, generalising, making hypotheses, measuring, ordering, recording and sorting.
- To develop the knowledge content of the four areas of Mathematics, specified by the Northern Ireland Revised Curriculum – Number/Algebra, Measures, Shape and Space and Handling Data.
- The fifth area – Processes in Mathematics will be developed through the application of the other four areas – pupils will be encouraged to think mathematically, to talk about their work, and to select appropriate mathematical tools and resources to undertake tasks set.

### **THE VALUE OF MATHEMATICS IN EVERYDAY LIFE**

- To help our pupils appreciate and understand the skills, attitudes, knowledge, understanding and language in common use and their application in everyday life.

To foster an understanding of mathematics through a process of enquiry and experiment.

## Our Values & Mission Statement

This policy document and the associated scheme are not written in isolation. They were both developed in the context the school's values and the resulting mission statement.

Values	Contribution of Mathematics and Numeracy Policy
To be a Happy & Healthy Environment	We aim to provide maths lessons which will be stimulating and enjoyable for children.
To develop Skilled Learners & Flexible Thinkers	Our Mathematics lessons will not only teach mathematical skills, but will also encourage learners to apply their knowledge and skills to unfamiliar and problem solving situations.
To value Partnerships both Locally & Globally	Mathematics is currently the focus of our Erasmus + project. Mathematics problems are being explored and shared with other schools across Europe. Local partnerships are being developed through STEM.
To inspire High Aspirations and Achievements	The potential of every child will be celebrated. They will all be provided with activities which allow them to feel a sense of success.

Mission Statement	Contribution of Mathematics Policy and Scheme
Care & Wellbeing Central	High Level of Compliance - Developing confidence and community through fun, practical activities.
Health & Sport Promoted	N/A
Involving Parents & Community	High Level of Compliance - STEM Activities. SMILE Nights.
Learning & Teaching Focused	High Level of Compliance - Quality learning and teaching for all pupils.
Developing Technology & Creativity	High Level of Compliance - An ideal area for promoting new approaches.
Raising Expectations & Standards	High Level of Compliance - Pupils' potential and value celebrated.
Excellence & Innovation Pursued	High Level of Compliance - Encouraged through maths challenges, problem solving and STEM activities.
Networking Locally & Globally	High Level of Compliance - Linking pupils with other locally and globally.

**This is an abridged version of the policy. A full copy is available on request from the school office.**