

**St. Michael's CE (Aided) Primary School**  
**Maths Policy**

Mathematics is a tool for everyday life. It is a whole network of concepts and relationships which provide a way of viewing and making sense of the world. It is used to analyse and communicate information and ideas and to tackle a range of practical tasks and real life problems. It also provides the materials and means for creating new imaginative worlds to explore.

This policy should be read in conjunction with the Calculation Policy.

**Aim**

To enable children to use their knowledge and understanding of mathematics confidently, now and in every aspect of their future lives.

**Objectives**

Using the Programmes of Study from the New National Curriculum and Primary Framework it is our aim to:

- Develop a positive attitude towards maths as an interesting and fascinating subject in which all children gain some success and pleasure.
- Develop an ability to use and apply maths effectively across the curriculum and in real life.
- Develop competence and confidence in mathematical knowledge, concepts and skills.
- Develop an ability to express themselves fluently, to talk about the subject using correct mathematical language and vocabulary.
- Develop an ability to solve problems, to think clearly and logically with independence of thought and flexibility of mind.
- Develop initiative and an ability to work both independently and in cooperation with others.
- Develop an understanding of maths through a process of enquiry and experiment.
- Develop mathematical skills and knowledge and quick recall of basic facts in line with recommendations.

**Breadth of Study**

Through careful planning and preparation we aim to ensure that throughout the school children are given opportunities for:

- Practical activities and mathematical games
- problem solving.
- Individual, group and whole class discussions and activities
- open and closed tasks.
- A range of methods of calculating eg. mental, pencil and paper and using a calculator.
- Reinforcing mental calculation strategies through daily maths sessions

#### **Pupils' recording of their work**

- Children will be given opportunities to record their mathematical thinking in a way which illustrates their understanding.
- They are taught a variety of methods for recording their work (in line with our Calculation Policy) and are encouraged and helped to use the most appropriate and convenient method of recording.
- Children will only progress to written calculations when they have mastered the pre-requisite mental skills.
- Teaching of calculation will progress according to our calculations policy.

#### **Assessment recording and reporting (See Assessment Policy)**

- Assessment for Mathematics is carried out according to St. Michael's Assessment Policy.
- Assessment **for** learning (AFL) is made through short term (daily/weekly) observations of children's work, through discussion with the children and through their own self-assessment. Assessment **of** learning is made through medium term (summative) assessments, the EYFS Profile and Assessment Tasks. Medium term summative assessment is recorded and used for the purpose of tracking pupil progress.

#### **Links with other curriculum areas**

Mathematics contributes to children's spiritual development, finding shapes and pattern in nature, seeing order, logic and pattern that numbers offer. Opportunities to reinforce mathematical concepts in other subject areas as well as in the outside environment will be provided.

### **Use of ICT (See ICT Policy)**

ICT is used in various ways to support teaching and motivate children's learning. ICT involves the computer, calculator and audio visual aids. It is embedded in the teaching of the Maths curriculum, through the use of Interactive Teaching Programs, school purchased software and relevant websites.

### **Special Educational Needs and Inclusion (See SEND policy)**

### **Equality of Opportunities**

Maths is planned to meet the varied needs of all learners, regardless of their gender, background, culture, physical or cognitive development. Learning objectives are set to meet these needs in line with our Special Needs Policy and Equality Policy.

### **Monitoring and review**

This policy will be monitored and reviewed by the *Governors' Curriculum Committee*.

	Staff	Curriculum. committee	Governing body
Approved by	9.3.15	21.05.15	13.05.15
Reviewed by			
Coordinator	Catherine Archard		