

# Winmarleigh Church of England Primary School



*Enjoy - Believe - Achieve*

## Maths Policy

**Overview:** The National Curriculum for mathematics aims to ensure that all pupils become fluent in the fundamentals of mathematics to solve problems, calculate and reason. This policy will underpin our work to ensure that all pupils are confident in each of the areas of mathematics and will ensure that children have opportunities to:

1. Develop their knowledge and understanding of the National Curriculum subjects, and achieve their full potential.
2. Collaborate with others confidently and respectfully in a variety of different ways.
3. Be fully prepared for the next stage of their education and life in modern Britain.
4. Develop their experiences of diversity and how this benefits our local and national communities

### **Intent:**

1. To ensure that the statutory requirements of the National Curriculum for mathematics and numeracy are taught well and applied across all subjects of the curriculum. To ensure that from the EYFS onwards, pupils are confident in their understanding and application of their basic skills in number and the number system and that they build upon their prior learning at every stage.
2. To promote and develop children's enjoyment and enthusiasm for maths through exciting, practical, first-hand learning and opportunities to explore and investigate. To provide opportunities for group, paired and individual learning, both indoor and outdoor across the school.
3. To help pupils to become mathematicians by developing their problem solving and reasoning skills so that they can apply their independent thinking and questioning across the curriculum and move on to use these skills in the wider world.
4. To make certain that all children are well supported and differentiated for appropriately.

### **Implementation:**

1. Teachers will use the schemes of work and guidelines agreed as a whole school, supported by an appropriate range of teaching and learning resources, to develop the knowledge, skills and understanding of every child, ensuring that all pupils, including those with SEND, achieve high standards for their ability and make appropriate progress. Teachers will ensure that there are opportunities to revisit skills and knowledge throughout the year in mental starters and plenaries that make links between the different units and strands of mathematics studied as outlined in the curriculum overview. The mathematics subject leader will support the teaching and learning of mathematics by; providing strategic leadership and direction for mathematics, monitoring progress and standards across the school, reviewing and revising the mathematics policy, monitoring and supporting teachers in the teaching of mathematics, keeping staff up to date on new developments in mathematics, monitoring the effectiveness of the planning and development of mathematics, auditing, monitoring the effective and appropriate use of resources and obtaining new resources.
2. Children will be encouraged to; ask questions, solve problems, discover new information, apply and consolidate their knowledge, skills and understanding through first-hand experience, investigations and practical work. An appropriate range of teaching and learning strategies will be used in all mathematics lessons to capture pupils' interest and to promote effective learning and progress.
3. Teachers will make use of the immediate and wider environment to help pupils apply mathematics and see the relevance of mathematics to their own lives. They will set challenging work, tasks and problems to increase children's knowledge, skills and understanding and to extend their thinking.
4. Teachers will assess children's work in mathematics through formative and summative judgements by; asking questions, observing learners during lessons, observing pupils solving practical problems and listening to pupils' discussions. Work will be marked regularly, following the school marking and feedback policy and pupils will be given appropriate, clear feedback which tells them how well they have done and what they need to do next to improve.

### **Impact**

This policy will ensure that all pupils become fluent in the fundamentals of mathematics, including the varied and regular practice of increasingly complex problems over time. They will be enabled to reason mathematically by following a line of enquiry, understanding relationships and generalisations, and developing an argument, justification or proof using mathematical language. Effective teaching will ensure that they can solve problems by applying their mathematics with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions. As pupils progress through the school they will become increasingly confident mathematicians. This policy should be read in conjunction with the calculation policies for each of the calculation strands.

Revised and adopted by the Governing Body- Date: February 2023

Review date: February 2024

Date	Amendment	Reason for Amendment