



## Mathematics at St Margaret's – Rationale

We aim to develop lively, enquiring minds and encourage our pupils to become self-motivated, confident and capable learners so they can solve problems and acquire a secure, long-term and adaptable understanding of maths. Mathematics is relevant to their world and provides vital knowledge and skills for every-day life, both within school and beyond.

Our teachers create engaging mathematics for all learners and encourage creativity and reasoning. We want to help children develop an appreciation of, and enjoyment in maths through rich and challenging activities. In addition, we help them appreciate how it relates to learning in other subjects, across the curriculum.

We aim to develop, in line with The National Curriculum:

- Positive and determined learners who tackle mathematical challenges positively
- Confident learners who recall, use and apply mathematical knowledge, concepts and skills fluently in a variety of contexts
- Reasoning, problem solving and logical thinking, including enquiry and investigation
- Problem solvers who break problems down into a series of logical steps
- Children who work systematically and accurately
- Both independent and collaborative work to enhance learning
- Confident communicators who ask and answer questions, share ideas, learn from mistakes and explain their reasoning using mathematical language
- Pupils who can apply mathematics across the curriculum and in real life

We use a Mastery style approach to teaching and learning, adapted for our setting and learners. The National Curriculum and recommended resources (Power Maths & White Rose Hub) inform our curriculum design and planning.

Key documents that set out our curriculum design for maths:

- a) Curriculum overview – a thumbnail sketch of maths across KS2
- b) A maths progression map shows the key knowledge and skills that our children should acquire with a clear sequence of learning that builds year on year, across Key Stage 2. This map links directly with our maths assessment and core skills progression map.
- c) A yearly curriculum overview of how we cover concepts in each year group.

In addition, weekly planning documents outline the implementation of our longer-term intent.