

## Maths

### Intent

We believe that all pupils have the potential to succeed in maths through: - learnt key facts, developing deep knowledge of key ideas, exploring connections within mathematics, intelligent practice reinforcing procedural fluency and conceptual understanding. We would like our pupils to:-

Become fluent in the fundamentals of mathematics.

Develop conceptual understanding and the ability to recall and apply knowledge rapidly.

To reason and problem solve by applying mathematics to a variety of increasingly complex problems.

To build upon children's knowledge and understanding from EYFS to year 6.

To develop resilience that enables them to reason and problem solve with increased confidence.

### Implementation

We follow the National Curriculum programme of study. We follow a Mastery approach to teaching and learning incorporating the 5 Big Ideas: Fluency, Variation, Mathematical Thinking, representation and structure and coherence to embed learning. Daily maths lessons include fluency, reasoning and problem solving. Lessons are differentiated to ensure there is appropriate challenge for all learners and if pupils fail to grasp a concept or procedure this is quickly identified and early intervention ensures pupils are ready to move on in their next stage of learning. Concrete manipulatives and pictorial representations are used to support conceptual understanding and to make links across topics. Children are individually assessed and praised for rapid recall of number bonds and times tables. Children complete a pre and post learning task on each topic to ensure progress is being made through their maths journey and are assessed on a termly basis.

### Impact

Here at St Mary's, we aim for most children to reach end of year expectations. All children should be able to make steady progress. Our well planned sequences of learning support children to develop and refine their maths skills and become problem solvers. Pupils are able to independently apply their knowledge to a range of increasingly complex problems and are able to reason with increased confidence and accuracy.