



# Mathematics Subject Intent

At Carleton Green Community Primary, we believe that all pupils should become fluent in the fundamentals of mathematics and that this can be achieved through a 'Mastery' curriculum. We believe that this defines a child who can use mathematics across the curriculum with confidence and be able to teach others what they have learnt. This is reinforced through our morning math sessions where pupils are provided with opportunities to consolidate prior learning.

During the **Early Years Foundation Stage Curriculum**, maths forms part of many interactive learning experiences. Pupils develop their knowledge and understanding of mathematics through play, exploration, and discussion. Children work with shapes and begin to learn their properties, use language to give positional clues and compare quantities, identify and recreate patterns. They learn to count, read, write, and order numbers to 20 using songs and rhymes, which is then extended to 100 and beyond during The National Curriculum in Key Stage 1.

During **Key Stage 1** children are taught in mixed ability class groups as appropriate for their main maths lesson. They learn about shape and space, through practical activities which build on their understanding of their immediate environment. They develop their use of mathematical language, using it to talk about their methods and explain their reasoning when solving problems.

During **Key Stage 2**, children are again taught in mixed ability classes for their daily maths lesson. They move from counting reliably to calculating fluently with all four number operations. Children will use a wider range of mathematical language, diagrams, and statistical charts. They learn to tackle a problem with mental methods in addition to using any other approach, always supported with help and encouragement. They extend and secure their use of mathematical language, using it to talk about their methods, explain their reasoning when solving problems and applying it during investigations.