



Barncroft Primary School

Believe Achieve Succeed

Barncroft Primary School Maths Vision

At Barncroft Primary School, we believe that mathematics is an important life skill. Mathematics will be planned and delivered within the framework of the new National Curriculum, Inspire maths programme for some year groups and the Early Years Foundation Stage curriculum, together with our school policies for teaching and learning, assessment, special needs and equal opportunities.

Our mathematics curriculum offers a broad range of experiences designed to provide pupils with the mathematical understanding, skills and knowledge needed to deal with everyday situations, learning in other areas of the curriculum and investigations within mathematics itself.

We believe that mathematics:

- is creative and enjoyable
- is a means of communicating information and ideas
- involves generalising about patterns and relationships
- should involve fluency to enable children to access concepts, make links, deepen understanding and achieve success
- develops the skills of problem solving
- enables decision making, logical thinking and reasoning

Through the mathematics curriculum, we will encourage and develop a mastery level of skills in mental calculation concepts, develop and reinforce problem-solving strategies, develop and maintain speed of recall and introduce, practise and understand a range of mathematics vocabulary.

At mastery level a pupil really understands a mathematical concept, idea or technique if he or she can...

- describe it in his or her own words
- explain it to someone else
- represent it in a variety of ways (e.g. using concrete materials, pictures and symbols – the Concrete, Pictorial and Abstract approach)
- make up his or her own examples of it
- see connections between it and other facts or ideas
- recognise it in new situations and contexts
- make use of it in various ways, including in new situations