

Maths at Khalsa Primary School

At Khalsa Primary School we believe that teaching Maths is essential to everyday life. Through high-quality Mathematics education children will have a strong foundation for understanding the world of Mathematics and begins to appreciate the essence of the learning itself. We follow the new National Curriculum for Maths. The children's work is assessed daily and this feeds into subsequent planning. We are using Collins Busy Ant Maths programme to aid the teaching and learning of Maths at Khalsa.

'The national curriculum for mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately*
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language*
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions'*

National Curriculum

These are some of the key areas that children will be learning in Maths across the school. Children use a range of tools to get a better grasp of these areas of learning. We use a CONCRETE PICTORIAL APPROACH in order to ensure children master their learning objectives.

Number

- to be confident to count, read and write numbers*
- understand what all the four signs represent and to use them correctly*
- recognise, find and name fractions including decimal and percentages*

Measurement

- using a range of equipments to measure and to know the correct terms used in measurement*
- reading time and understanding the equivalence in value*
- converting measurements of length, mass, volume and time*

Geometry

- identify, name and describe 2D and 3D shapes
- identify, find and measure angles
- describe position, direction and movement

Statistics

- interpret and construct graphs
- present information using a range of graphs and analyse information

Ratio and proportion

- solve problems involving the relative sizes of 2 quantities where missing values can be found by using integer multiplication and division facts
- calculate percentages
- solve problems involving similar shapes where the scale factor is known or can be found
- use knowledge of fractions and multiples to solve problems involving unequal sharing and grouping

Algebra

- use and apply simple formulae to find missing numbers
- generate and describe linear number sequences
- express missing number problems algebraically