



STEM

Through high-quality engaging experiences, we aim to prepare our pupils to thrive in a highly complex world. Pupils will be competent across Mathematics, Science and Computing; they will be able to understand and prepare research and investigate questions they will face in their futures. Teachers will provide an imaginative curriculum to encourage children's curiosity and expose them to the wonders of the world. Opportunities will be given to pupils to enable them to work collaboratively to problem solve in a meaningful real-life context.

Maths

Computing

Science

Forest School

Maths

Our Vision

We aim to educate our pupils on the importance of mathematics in everyday life. By embedding the three strands (fluency, problem solving and reasoning) in all areas of the maths curriculum, we will encourage our children to become independent learners, who take responsibility for their learning and apply this to real-life context.

Our Aims

Langshott Primary Schools 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, developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of problems with increasing sophistication, including breaking down problems into a series of simpler steps and showing resilience in seeking solutions.

Knowledge and skills

Number and Place Value	
	At Langshott children gain an understanding of place value (the value of each digit in a number). Children gain this understanding through ones, tens, hundreds and thousands with number lines, dienes, arrow cards and more.
Operations	
	The children at Langshott gain an understanding of, and apply, the four operations of addition, subtraction, multiplication and division through KS1 and KS2, in order to problem solve.
Fractions, Decimals and Percentages	
	At Langshott children gain an understanding of fractions, decimals and percentages as well as gaining a progressive understanding of how they are all linked.
Measure	
	The children at Langshott gain the skills to compare, measure and record: lengths and heights; mass/weight; capacity and volume; time (hours, minutes, seconds).
Geometry (shape, position and direction)	
	The children at Langshott develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary.
Statistics	
	The children at Langshott learn to interpret, present and compare data using bar charts, pictograms and tables and other graphs.
Algebra, Ratio and Proportion	
$2y + x$	The children at Langshott learn to use simple algebraic formulae and apply this to find the nth term in a sequence and solve problems involving the relative sizes of two quantities where missing values can be found by using known number facts.