

# Maths

## Our vision:

At St Luke's we believe in fostering a positive attitude towards maths. Children should develop a clear, logical and systematic way of working and seek maths as a tool to solve everyday problems. We aim to teach maths creatively with the use of concrete manipulatives and pictorial representations to acquire a greater depth of understanding. Children work cooperatively, exploring maths ideas together and supporting each other to see new concepts in different ways.

## What does maths look like at St Luke's?

Daily lessons from the White Rose Scheme including fluency, problem solving and reasoning take place across the school. All areas of maths are taught through demonstrations with concrete resources as well as pictorial representations alongside the abstract calculations. Maths learning is given a real life context to support children in recognising maths in the world around them. Additionally, mastering number sessions in EYFS and KS1 to improve fluency.

## Why do we teach maths?

We believe that maths develops crucial problem-solving skills by encouraging students to think logically, break down problems, and apply reasoning to find solutions. These problem-solving abilities extend beyond the classroom and are useful in daily life. Our maths education fosters the development of numeracy, which is a vital life skill. By mastering basic mathematical concepts, children gain confidence in handling money, telling time, and measuring distances. Furthermore, learning maths helps children build resilience. The process of working through complex problems teaches them perseverance and the importance of making mistakes in order to learn.

## What learning opportunities are there?

- Times Tables Rock Stars Competitions
  - Weekly TTR award
  - Maths Day
  - Number Day

Open ended challenges are my favourite thing to do in maths - Y6

I love our maths days when we have to work together to solve puzzles - Y4

I try so hard to win the TTRockstars award each week in worship - Y3