

# **Mathematics Rationale**

## **Vision**

Maths is vital to everyday life, we use it to understand our world, its used to solve puzzles and problems through logical and sequential learning that is efficient and effect.

At Leopold, we aim for our students to be confident in number, problem solving and using mathematics in real life situations.

Our aim is to ensure that when our pupils leave school, they are all equipped with the skills and motivation to be excellent mathematicians..

## **Intent**

We strive for ambitious, literate pupils who can problem solve; articulate themselves confidently and show resilience.

## **Implementation**

Implementation

All pupils, when introduced to a key new concept, should have the opportunity to build competency in this topic by taking a Concrete, Pictorial and Abstract (CPA) approach. Pupils are encouraged to physically represent mathematical concepts. Objects and pictures are used to demonstrate and visualise abstract ideas, alongside numbers and symbols.

Mastery approach

Whole class moves through content at the same pace with time to think deeply about the maths, building self-confidence in learners that differentiates through depth rather than acceleration. It is the basis for the 2014 National Curriculum For Maths. This approach looks to create high expectations for all learners.

Problem solving is at the hear of lessons in our school. Every lesson begins with an anchor task to encourage depth of thinking on a topic and highlights the importance of mathematics in the real world.