

## Whitchurch Primary School <u>Maths Intent</u>

## Intent - What do we aspire for our children?

Three key aims rest at the heart of our mathematics curriculum:

- For children to be fluent in the fundamentals of mathematics,
- For children to reason mathematically,
- For children to solve routine and non-routine problems with increasing independence.

By achieving these aims, our children will leave Year 6 as knowledgeable, skilful and confident mathematicians ready for the next phase of their learning.

At Whitchurch Primary School, we provide an ambitious and inclusive Maths Mastery curriculum which is progressive across all year groups. Centred around Concrete Pictorial Abstract (CPA) approach, we embed our teaching through real life contexts making appropriate links across the curriculum. During each lesson all children may use apparatus as visual aids. As they make progress in the lesson, they move towards using pictorial and abstract representations for Mathematical concepts.

Pupils learn to think mathematically, using a wide range of methods to ensure deep thinking and confidence in problem solving. Children explore and investigate. Communication is key as they work alongside peers to reason, explain and justify their thinking using mathematical vocabulary. Teachers carefully plan open ended, challenging questions which enable our children to make connections, identify patterns and draw conclusions about Mathematical concepts and problem solving. Misconceptions are addressed as they arise and teachers actively engage children in proving their ideas.

Emphasis is placed on number fluency to aid recall of facts so they can be as efficient as possible when working mathematically.

We are confident that this mastery-based approach and spiral curriculum enthuses children about Maths. It ensures they can master Mathematical skills and concepts which enable them to continue learning as they progress through school.