



Preston & Wingham Primary Schools Federation



**Learning together, we grow kind hearts
and healthy minds.**

Statement of Intent for Maths

Intent

Why do we teach this?

We believe maths to be a subject in which all children can actively engage. We use White Rose (WR) to deliver the maths curriculum across the federation as it allows us to ensure inclusivity as it caters for both single and mixed year classes. Lessons and teaching focus on fluency, reasoning and problem solving activities which enable learners to master skills thoroughly as well as deepen their knowledge through meaningful reasoning opportunities.

Implementation

What do we teach and how?

WR incorporates key learning strategies using the concrete, pictorial and abstract approach, meaning that it clearly demonstrates how and when certain manipulatives can be utilized in order to scaffold learning whilst offering a variety of different pictorial representations through varied fluency. It follows a well-sequenced structure ensuring all elements of the maths curriculum are taught at the appropriate age and level of understanding in order for children to be able to proceed to the next level within any particular concept. Key pedagogical elements across the Federation include adults modelling the use of manipulatives and concept-specific vocabulary and encouraging children to do so within fluency and reasoning activities; use of variation in order to enable children to identify patterns and make links across different elements of maths; promoting meta-cognitive skills enabling children to develop and demonstrate knowledge, reasoning and problem solving in a variety of contexts.

Impact

What will this look like?

Children show an increased level of confidence in maths, they develop their understanding of concepts in order to apply their knowledge. With support if required children become independent thinkers to be able to draw upon a range of strategies to resolve issues when stuck. Fluency, reasoning and problem solving skills are developed overtime and our children have a good understanding of money and other real- world mathematical concepts and understand how their knowledge can be useful and purposeful in everyday life.

Respect Inclusive Creative Hardworking