

Wenlock CE Academy

Maths Curriculum Intent, Implementation and Impact

INTENT

- At Wenlock CE Academy, we want children to leave our school as confident mathematicians with a love of the subject. We want them to be fluent in the fundamental concepts, facts and methods and to be able to reason and problem solve with accuracy and resilience.
- We use the White Rose Maths curriculum as our central core to embrace the national curriculum aims, providing an ambitious, connected curriculum for all pupils from Year 3 to Year 6.

IMPLEMENTATION

- Using the structure of White Rose, we ensure that children learn effectively through a logical progression of concepts - for example with place value being understood before moving on to calculation. Number skills are emphasised and carefully ordered throughout the curriculum, including their application in areas such as shape and statistics. A firm grounding in key skills, given by starting each year with place value and calculation blocks, gives the children access and confidence in the rest of the curriculum.
- Lessons contain fluency, reasoning and problem solving elements and concrete, pictorial and abstract approaches are used to support deep understanding, including through the use of a range of concrete resources. Oracy skills are also developed through the use of key mathematical vocabulary and stem sentences.
- To ensure inclusivity, a number of approaches are used to adapt the curriculum. These include: scaffolding, the use of additional or alternative manipulatives, rephrasing questions and problems or representing them differently, scribing, reading and the use of adapted tasks and activities, all designed to support the needs of the child.

IMPACT

- Children are confident and enthusiastic when talking about their maths learning, using acquired vocabulary and show a belief that they can learn about new areas of maths and apply their learning and knowledge from previous areas.
- Pupils know how and why maths is used in the outside world, including in the workplace, and how it can support them to fulfil their potential.

- Pupils master mathematical concepts, demonstrating them in multiple ways, including through application in problem solving, and using mathematical language to explain their ideas and reasoning.
- Children demonstrate a quick recall of facts and procedures, including multiplication tables. They have the skills to use methods independently and show resilience. Children build the flexibility and fluidity to move between different contexts and representations in maths.
- All children, including those with SEND, are engaged and learning in maths, making progress from their starting points.