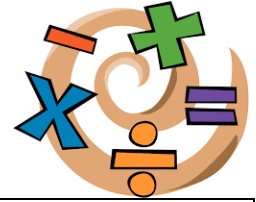




St Lawrence C of E (Aided) Junior School Curriculum Statement

Maths



Intent:

Why do we teach it? Why do we teach it in this way?

Mathematics is an essential life skill and, with this in mind, St Lawrence intends to provide an ambitious, connected curriculum, accessible to all pupils.

Through considered lesson design and quality first teaching, pupils are given the opportunity to develop the skills needed to solve problems, think logically, and to work systematically and accurately. New mathematical concepts are introduced using a 'Concrete, Pictorial and Abstract' approach; enabling children to experience hands-on learning when discovering new mathematical topics, and allowing them to have clear models and images to aid their understanding. Where possible, we help children link their learning to everyday life, providing purpose and exploration.

At St Lawrence, all children are encouraged to dive deeper into mathematical concepts, developing the skills needed to explain their understanding and excel, providing a solid foundation upon which to build.

Implementation:

How do we teach it? What does this look like?

At St Lawrence a Mastery Approach to learning is used, based on the White Rose scheme of learning and the NCETM prioritisation curriculum. Each maths area is broken down into small steps of learning and is taught at a whole class level. Maths is taught and practised with an emphasis on coherence; procedural and conceptual variation; fluency and flexibility; and problem solving and reasoning. Children are encouraged to learn through exploration, making links across and within tasks. Opportunities are given for all pupils to achieve greater depth and to dive deeper into the area of maths they are learning. Children are taught how to use a range of resources- such as manipulatives, number lines etc - to provide support where needed.

Maths at St Lawrence includes:

- Fluency skills, taught or practised daily, focussing on key mathematical skills including place value, the four operations and fractions. Key instant recall fact targets are shared with parents and assessed half termly.
- A range of reasoning resources are used to challenge all children and give them the opportunity to reason with their understanding.
- Children are taught through mixed ability whole class lessons, with targeted small groups when needed. Separate maths interventions are provided to close any gaps in learning.
- Lessons use a Concrete, Pictorial and Abstract approach to guide children through their understanding of mathematical processes, with effective question design to help build learning.



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- Homework is set to develop and review children's learning.
- Where possible, links are made with other subjects across the curriculum and everyday life skills.

Impact:

By the time children leave St Lawrence they will:

- Have fluency in key number facts, including times tables to 12x12.
- Use a range of representations and specific vocabulary to explain, apply and reason with mathematical concepts.
- Transfer the skills they have learnt to everyday situations, understanding that maths is an integral part of life.

Through our maths curriculum we will have developed engaged children who have been challenged. They will be confident children who can all talk about Maths and their learning and the links between Mathematical topics. They will have experienced lessons that have used a variety of resources to support their learning. They will have seen different representations of mathematical concepts.

All children's learning will be tracked and monitored to ensure that they are all making good progress.