

Always building friendships with one another, whilst being thankful for what we have.

The Magdalen Church of England / Methodist Primary School, Wainfleet  
Mathematics Rationale

**Retention of powerful knowledge and vocabulary**

Our Mathematics curriculum allows children to retain skills that are progressive, year-on-year. It is designed to introduce new material in small steps of learning, promoting children to ask questions and consider multiple mathematical strategies. Over their school career, children are taught in a spiral curriculum, giving children the opportunity to revisit learning in staged repetitions, building upon prior knowledge each time. This enables children to retrieve previous knowledge to commit learning to the long term memory.

**Application of powerful knowledge and vocabulary**

We have designed a curriculum that allows children to become confident and fluent with primary mathematics. Children work collaboratively in partners, as a class and independently. Children are encouraged to apply their knowledge and vocabulary when articulating their strategies and reasoning, with verbal scaffolds provided through whole class chorusing. Children use concrete and pictorial scaffolds to support them in the acquisition of new knowledge. The curriculum ensures variation in representations, structures, concepts and procedures to develop children's subject knowledge and understanding.

**Inspiration**

Our curriculum is designed to inspire confidence in mathematics. Children use mathematical talk to collaborate with adults and peers to discuss their mathematical reasoning. Children are inspired to problem solve in supportive classroom environments. Teachers explain the use and importance of mathematics in the wider society and daily life and how maths is all around us.

**Success for Everyone**

Success in mathematics gives children the power to live life confidently and independently. Therefore, we want maths at the Magdalen School to be accessible to all learners. Effective teaching and regular formative assessment in mathematics identifies any potential barriers to learning. Reasonable adjustments are made for children to access the curriculum, so that *all* children make progress in mathematics.

while trying hard each and every day to trust other people around us through humility and service.

Remembering to forgive when we have been wronged and hoping to help others less fortunate than ourselves.

Determined to show compassion for those around us and develop a community that embraces justice and peace.