

Maths Vision Statement



*As Jesus welcomes and values children, we at St Michael's **aspire** to welcome and value all members of our community. We **believe** that this welcome and value provides opportunities for all to **succeed**. Matthew 18: 2-5*

At Coningsby St Michael's, we believe that mathematics is a vital life skill and a gateway to understanding the world. Our maths curriculum reflects our values of Believe, Aspire, Succeed, empowering every child to become a confident, resilient, and creative problem solver. We aspire for all children to develop fluency, reasoning, and problem-solving skills through engaging and inclusive teaching. We believe that every child can succeed in mathematics when supported by high-quality resources, structured practice, and opportunities to explore concepts deeply.

Our approach is built on the principle of **Build it, Draw it, Write it**, ensuring that children move from concrete experiences to pictorial representations and finally to abstract understanding. This progression supports mastery and deep conceptual understanding. We explicitly teach mental fluency strategies across all four operations enabling children to become flexible and efficient mathematicians. These strategies empower pupils to choose the most effective methods for different contexts fostering confidence and adaptability.

Key features of our maths curriculum:

- **Supporting Equipment:** We use manipulatives and visual models to strengthen understanding and make abstract concepts accessible to all learners.
- **Problem Solving and Reasoning:** Children are encouraged to think critically, explain their ideas, and apply mathematical concepts to real-life contexts.
- **Key Instant Recall Facts (KIRFs):** Daily opportunities for retrieval practice ensure that key facts and methods are embedded for long-term memory. Each term we focus on developing rapid recall of essential number facts through structured practise and engaging activities. This ensures strong foundations for mental calculation problem solving.
- **Times Table Practice:** We prioritise fluency in multiplication facts through regular practice, games, and digital tools, enabling children to tackle more complex calculations with confidence.

Mathematics at Coningsby St Michael's is:

- Inclusive: Every child is supported to access and enjoy mathematical learning.
- Progressive: Skills and knowledge build systematically from concrete to abstract.
- Purposeful: Maths connects to real-world problems, encouraging logical thinking and informed decision-making.
- Empowering: Children develop confidence and resilience to embrace challenges and succeed.

We aim for every child to leave Coningsby St Michael's as a capable, and confident mathematician, ready to use their skills to explore, innovate, and shape the world.

