



## Our Intent, Implementation and Impact statement for Mathematics

### INTENT

At our school, we intend to provide a mathematics curriculum that is ambitious, inclusive and engaging, ensuring every child has the knowledge and skills they need to thrive in their future learning and beyond. We aim to prepare all pupils for success in later life by developing secure number sense, deep conceptual understanding, and the ability to reason and problem solve.

Our approach is rooted in the principles of **teaching for mastery** and is underpinned by the **NCETM Curriculum Prioritisation**. This allows us to deliver sustained levels of challenge through carefully structured, high-quality activities, ensuring pupils are able to develop fluency, apply reasoning, and solve problems with confidence.

We expect all pupils to explore mathematics in depth, using precise mathematical vocabulary to reason, explain and justify their thinking. Learning is introduced using the **Concrete–Pictorial–Abstract (CPA)** approach, enabling all children to build secure understanding by moving from hands-on experiences to visual representations and abstract concepts.

We encourage resilience, adaptability and perseverance, helping pupils to recognise that challenge and struggle are valuable steps in learning. Our curriculum also helps children make sense of the world around them by recognising the patterns and structures of mathematics in everyday life.

### Underpinned By:

- **High expectations** – all pupils are expected to make progress and achieve success from their starting points.
- **Modelling** – teachers provide clear examples of effective strategies and reasoning, ensuring pupils understand how to succeed in mathematics.
- **A vocabulary-rich environment** – mathematical talk is central to lessons. Pre-teaching key vocabulary gives pupils the confidence to explain and justify their thinking.

## IMPLEMENTATION

Our mathematics curriculum provides breadth and balance, is relevant and engaging, and is adapted to meet the needs of all learners so that every child can succeed.

- From Reception to Year 6, teaching follows the NCETM Curriculum Prioritisation, which ensures concepts are sequenced carefully in small steps, allowing pupils to build secure and connected understanding. In EYFS and KS1, we use the Mastering Number programme to provide pupils with firm foundations in number sense and fluency with number facts.
- Lessons are structured around carefully planned small steps of progression. Pupils who need additional support receive scaffolding (such as concrete resources or pictorial models) to secure understanding before moving on. Pupils who grasp concepts quickly are challenged through opportunities to apply and deepen their knowledge, rather than moving ahead of their year group curriculum.
- Stem sentences are explicitly taught and modelled, enabling children to reason and explain their answers with accuracy and confidence.
- Times tables fluency plays a vital role in Key Stage 2. From Year 3, pupils follow a structured fluency programme to secure recall of multiplication and division facts, supported by daily practice and online tools such as TT Rock Stars and Purple Mash.
- The CPA approach is used consistently across all year groups. Pupils use manipulatives and visual representations to make connections between practical and abstract mathematics, ensuring that understanding is deep and secure. Real-life contexts are regularly incorporated to show the purpose of mathematics in everyday life.

### Assessment and Support

- Daily assessment takes place through live feedback, questioning and discussion.
- Additional support is provided through short 'Closing the Gap' or booster sessions.
- Termly assessments are used diagnostically to inform teaching, address gaps, and ensure interventions are targeted effectively.
- We also use **NCETM Ready-to-Progress materials** for interventions, ensuring children are secure in the key concepts they need to access future learning.

### Professional Development

- Teachers and support staff take part in high-quality professional development through Maths Hub Work Groups and other CPD opportunities.
- Peer observations and collaborative planning ensure consistent high-quality teaching and the sharing of best practice across the school.

## IMPACT

Through our mastery approach, pupils at our school:

- Develop a **deep, secure and adaptable understanding** of mathematics, rather than superficial knowledge.
- Become fluent in key number facts and confident in their ability to reason and solve problems.
- Use precise mathematical vocabulary to explain and justify their thinking.
- Show resilience and perseverance when faced with challenge.
- Make strong progress from their starting points and are well-prepared for the next stage of their education.

Our ultimate aim is that pupils leave our school as confident, enthusiastic mathematicians, equipped with the knowledge, skills and mindset to succeed in their future education and to apply mathematics meaningfully in their everyday lives.

***“Building strong foundations, mastering maths for life.”***