



# Little Aston Primary Academy

## Mathematics Curriculum Intent Statement

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At Little Aston Primary Academy, our Mathematics curriculum is designed to provide all pupils with a deep, long-term, secure and adaptable understanding of mathematics, in line with the National Curriculum and mastery principles from the NCETM. We aim to inspire lifelong learners who are confident, curious and resilient, equipped to use mathematics as a tool for understanding the world and solving problems.

### Intent Overview

Mathematics is an interconnected discipline essential for everyday life, science, technology and employment. Our curriculum ensures pupils:

- Become fluent in fundamental mathematical facts and procedures through varied and frequent practice, developing rapid recall and conceptual understanding.
- Reason mathematically by following lines of enquiry, conjecturing and constructing arguments using precise mathematical language.
- Solve routine and non-routine problems with increasing sophistication, breaking them down into manageable steps and persevering to find solutions.
- Make connections across mathematical domains and apply their knowledge confidently in other subjects and real-life contexts.

### Mastery Approach

Our curriculum follows NCETM mastery principles, ensuring:

- Success is engineered from the start, with all pupils able to keep up and deepen their understanding.
- Use concrete, pictorial, and abstract representations to build understanding.
- Pupils who grasp concepts quickly are challenged with rich, sophisticated problems rather than accelerated content.
- Pupils who need more practice consolidate understanding through additional practice, scaffolding and support.
- Differentiation focuses on preventing and addressing gaps in understanding, not holding back groups unnecessarily.
- Mathematical language, developing vocabulary and spoken communication are integral, helping pupils clarify and justify their thinking.

### EYFS Intent

In EYFS, we dedicate daily time to exploring mathematics through stories, songs, games and play-based activities, embedding mathematical vocabulary and early number sense. This foundation supports pupils in becoming confident communicators, problem solvers and to be ready for the KS1 national curriculum expectations and foundational skills.



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### KS1 and KS2 Intent

In KS1 and KS2, pupils follow a structured, coherent programme of study that builds fluency, reasoning and problem-solving skills progressively. Pupils are encouraged to:

- Use mathematical reasoning to explain their understanding.
- Be fluent with number facts and procedures.
- Apply mathematical thinking and make connections within their learning.
- Develop a positive attitude towards mathematics, understanding that effort leads to success.
- Apply their mathematical understanding to solve problems confidently.

### Inclusion and SEND

Our curriculum ensures that the needs of SEND pupils are met through quality first teaching and targeted support, enabling all pupils to learn and remember key facts, methods and strategies essential for their next stage of learning and life.

### Overall Aims

Upon leaving Little Aston Primary Academy, pupils will:

- Use mathematical reasoning to explain concepts clearly.
  - Be fluent in number facts and calculation methods.
  - Apply mathematical thinking to make connections and solve problems.
  - Demonstrate a positive, resilient attitude towards mathematics.
  - Achieve outcomes above the national average.
  - Be well-prepared for the challenges of secondary education and everyday life.
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