

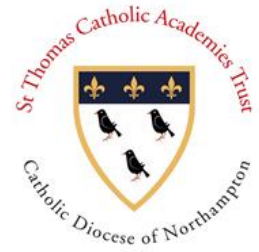


Learning, Growing  
And Living with Jesus

# St. ANTHONY'S CATHOLIC PRIMARY SCHOOL & NURSERY

In the Diocese of Northampton

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"The glory of God is  
a human being fully alive"

## Action Plan for St. Anthony's Catholic Primary School (Academic Year 2024-2025)

### Vision Statement:

"Empowering our children with a robust mathematical foundation and a deep appreciation of God's creation through numbers and patterns, guided by Jesuit values such as being loving, curious, and discerning."

### Core Principles and Aims:

- 1. High-quality Mathematics Education:**
  - Providing a foundation for understanding the world.
  - Developing the ability to reason mathematically.
  - Fostering a sense of enjoyment and curiosity about mathematics.
- 2. Jesuit Values Integration:**
  - Emphasizing values such as being loving, curious, discerning, and grateful in the learning process.
  - Encouraging children to embody these values in their approach to mathematics and their interactions with peers and teachers.

### Curriculum Implementation:

- 1. Curriculum Structure:**
  - Adopting the National Curriculum and White Rose Maths Schemes of Learning.
  - Emphasizing mastery learning with a focus on number fluency, reasoning, and problem-solving.
  - Ensuring curriculum relevance and engagement by incorporating concrete, pictorial, and abstract approaches.
- 2. Lesson Design:**
  - Daily Review:** Each lesson begins with a review of mathematical teaching from previous lessons to reinforce learning and ensure retention.
  - Daily 5:** Incorporates daily arithmetic practice to enhance number fluency and automaticity in calculations.
  - Guided Practice:** Teachers model mathematical processes clearly, using visual models and step-by-step explanations to build children's understanding.
  - Independent Practice:** Children apply the processes they have learned independently, allowing them to develop confidence and competence in their mathematical skills.
- 3. Professional Development:**
  - Ongoing training for teachers in mastery learning and effective mathematical teaching strategies.

St Anthony's Catholic Primary School & Nursery has a commitment to safeguarding, and the welfare and wellbeing of children.

St Thomas Catholic Academies Trust; Registered Company Number: 9660515  
Registered office: St Joseph's Catholic High School, Shaggy Calf Lane, Slough, Berkshire, SL2 5HW



Utilizing resources from NCETM, Rising Stars, and other reputable sources to support teacher development.

Professional coaching and collaborative planning sessions.

#### 4. Assessment and Feedback:

Regular assessments to identify and address gaps in understanding promptly.

Use of formative assessments to guide instruction and provide timely feedback to children.

Encouraging peer teaching and collaborative learning to reinforce concepts.

### **Action Steps:**

#### 1. Developing Mathematical Fluency:

Daily practice sessions focused on number fluency during transitions, lining up, and registration.

Use of NCETM's Mastering Number program in early years to build a strong foundation in number sense.

#### 2. Enhancing Mathematical Reasoning:

Integrating reasoning tasks into every lesson.

Encouraging children to articulate their mathematical thinking using precise vocabulary and stem sentences.

Promoting pattern recognition and conjecture through hands-on activities and discussions.

#### 3. Problem-solving Skills:

Applying mathematics to real-life situations and complex problems.

Breaking down problems into manageable steps and persevering in seeking solutions.

#### 4. Community and Parental Engagement:

Hosting math workshops for parents to help them support their children's learning at home.

Celebrating mathematical achievements and progress through school newsletters and assemblies.

#### 5. Use of Technology:

Incorporating educational software and online resources to enhance learning and engagement.

Providing access to digital tools for practice and exploration of mathematical concepts.

### **Monitoring and Evaluation:**

#### 1. Regular Curriculum Reviews:

Termly reviews of curriculum implementation to ensure it meets the needs of all children.

Adjusting teaching strategies and materials based on children's performance data and feedback.

#### 2. Children's Progress Tracking:

Continuous monitoring of children's progress using formative and summative assessments.

Implementing interventions for children who are not meeting expected standards.

#### 3. Teacher Performance:

Evaluating the effectiveness of professional development programs.

Providing additional support and resources to teachers as needed.

## References:

### 1. Research on Mathematics Education:

"Subject Report Series Mathematics" (UK Government)

"Research Review Series Mathematics" (UK Government)

"Early Mathematics" (Education Endowment Foundation)

"Mathematics KS2 and KS3" (Education Endowment Foundation)

NCETM resources on mastery learning.

By incorporating these strategies and principles, St. Anthony's Catholic Primary School aims to cultivate a robust and dynamic mathematical environment, grounded in faith and excellence, where every child can thrive and achieve their full potential, inspired by Jesuit values.