



Maths Curriculum Statement

Why is Maths important?

At St George's Central CE Primary School and Nursery, maths plays a crucial role in helping children to develop their understanding of the world. We want children to see mathematics as being relevant and applicable to everyday life as well as being something that they will need as they move on through their school life and ultimately to the world of employment. It is therefore important that children at our school develop a confidence in, and enthusiasm for, maths which encourages the children to become lifelong learners who can appreciate the beauty and power of mathematics and develop a sense of enjoyment and curiosity around the subject.

What is Maths like at St. George's Central CE Primary School and Nursery?

We use a mastery approach to the teaching and learning of mathematics, which is underpinned by the NCETM's 5 Big Ideas:

Representation and Structure (ensures concepts are explored using concrete, pictorial and abstract representations and children actively look for patterns);

Mathematical Thinking (allows children to make chains of reasoning connected with the other areas of their mathematics)

Coherence (achieved through the planning of small connected steps to link every question and lesson within a topic)

Fluency (there remains an emphasis on Fluency with a relentless focus on number and times table facts)

Variation (teachers use both procedural and conceptual variation within their lessons to ensure deeper understanding of concepts).

The school uses a variety of learning and teaching styles in mathematics and employs strategies that cater for different types of learners which involves:

- adaptive teaching, questioning and levels of support so that the children are all working towards the same learning objective appropriate to their age group or ability;
- direct teaching of methods and vocabulary through modelled examples which ensures children are fully confident to tackle independent tasks;
- embedding mathematical understanding through concrete, pictorial and abstract images and representation;
- encouraging pupils to explain their reasoning and thinking both verbally and in writing;
- exposing all children to challenge through tasks and questioning;
- ensuring opportunities to use and apply knowledge and skills is integrated into planning and teaching;
- developing deeper knowledge and essential features of mathematical concepts through making comparisons and exploring questions such as *"What do you notice?"* and *"What's the same, what's different?"*;
- Spotting patterns and relationships which support a process of enquiry and experimentation;
- establishing the foundations of mental calculation and recall of number facts through daily starters which consolidate mental recall and informal/written calculations;
- ensuring time is given in other subjects for pupils to develop and apply their mathematical skills;
- setting homework for all children in accordance with the Homework Policy.

Opportunities to celebrate Maths at St George's Central CE Primary School and Nursery

Visitors in school, whole school maths challenges, Times Tables Rock Stars Challenges, Times Table Rockstars Certificates, maths clubs, high quality maths working walls in classrooms, workshops for parents/carers, inter-school competitions, 'X' posts, assemblies, open afternoons and maths mornings, ATSA Active Mind times table event.

'Never settle for less than your best'

Jesus said, 'I am the light of the world. Whoever follows Me will not walk in darkness, but will have the light of life.' John 8:12