

## Mathematics

### Intent

At St George's our aim is for children to become numerate, creative, independent, inquisitive, enquiring and confident learners. We also aim to provide a stimulating environment and adequate resources so that pupils can develop their mathematical skills to the full. We want children to develop a love of learning in Maths that they take with them to the next step of their education. We want children to understand that Maths is needed in everyday life and the skills they learn will be lifelong.

We aim to deliver the KS1 and KS2 National Curriculum through interesting and enjoyable Maths lessons, which inspire the children and enable them to fulfil their potential.

### Implementation

The school has developed a mastery approach to mathematics using resources from White Rose Maths Hub to support teachers in delivering this approach. St George's is part of the Yorkshire Ridings Maths Hub Mastery workgroup. This gives the school the opportunity to receive support from a mastery specialist teacher as well as the opportunity to share good practice with other schools in the workgroup.

#### Dedicated Mental Maths Lesson

There is a dedicated Mental Maths Lesson and this is when the teacher models all the methods and strategies needed for mental maths calculation work and Arithmetic tasks. The children have the opportunity to consolidate and practise these skills in their Arithmetic morning practice lessons.

#### Arithmetic Morning Sessions

There are dedicated Arithmetic practice lessons 3x mornings a week (30 minutes per lesson). This is an opportunity for the children to practise their

- Timetables
- Number Facts
- Applied written methods.

The Children's Arithmetic progress assessed and tracked every 6 weeks to ensure they are making maximum progress.

#### Timetables and Number Facts

There is rigorous monitoring of the children's progress in timetables and number facts fluency as they progress

	<p>through the school. These skills are practised in Arithmetic morning lessons, a dedicated mental maths lesson and the children are encouraged to practise at home using website resources such as TT Rockstars and Numbots.</p> <p><b><u>Reasoning Skills</u></b></p> <p>These are modelled by the teacher and practised in the maths lessons as part of the children's topic work. There is also a dedicated Reasoning morning lesson to focus on the key skills needed to solve a range of reasoning problems. The teacher follows and models a whole school strategy on improving reasoning skills.</p> <p><b><u>Resources</u></b></p> <p>Teachers use a wide range of resources to deliver outstanding bespoke lessons. This ensures the children are receiving the very best teaching in maths and the children are being exposed to the latest tasks to further their maths development. Resources include White Rose Maths Hub, Power Maths, Classroom Secrets, Third Space Learning and Yorkshire Ridings Maths Hub.</p> <p><b><u>Staff CPD</u></b></p> <p>The maths lead is part of the Yorkshire Ridings Maths Hub Mastery working group. A Key Stage 1 teacher also takes part in training with the Maths Hub Mastery Specialist.</p> <p>The Maths lead provides ongoing staff training and updates in the Mastery approach and ensures the staff are up to date with the latest proven strategies.</p>
<p><b>Impact</b></p>	<p>Children are happy learners in Maths. Clear assessment outcomes focus and guide the next steps in learning to drive improvement, ensuring the children receive a wide range of learning challenges in all year groups.</p> <p>Assessments and book scrutinies show that progress in Maths is outstanding from children's individual starting points.</p> <p>Children talk enthusiastically about Maths and are keen to further their understanding in the next stages of their education.</p> <p>KS1 and KS2 assessment data shows that...</p> <p>The children leave St George's as enthusiastic learners in Maths</p>