All Saints Church of England Primary School

Approach to the Teaching of Mathematics

Daily Mastering number Reception-Year 2

Daily Mastering in KS2

Retrieval lessons to recall previous concepts

Fluency and reasoning in each lesson

Weekly Arithmetic lessons (Friday) in KS2

What?	Pre-learning task as initial assessment	Practical learning and clear models- CPA linked to topic	Clear and concise learning objectives	Making connections between the new topics and previous topics	Children to explain their thinking. Misconceptions addressed	Promotion of maths talk	Promoting fluency, integrated with problem solving and reasoning	Using and applying	Challenge that takes them to their next stage of learning
How it can be achieved	EG. Diagnostic questions; a challenge/ problem children will work towards; collating what the children know	Use a variety of resources including: Ten frame Numicon Place value counters Counters Bead counters Pictures as a bridge between the concrete objects and the abstract symbols they will learn to use. Visual representations	All children can achieve Mastery approach to lesson	Children recognise the connections – 'it's nothing new' e.g. 3+2=5 so 3/8 +2/8 =5/8	Diagnostic questions 'a mistake of the day' Correct or not correct Why? stem sentences	Language of reasoning displayed in classrooms, for children and adults to refer to Odd one out questions Pictures etc to promote mathematical thinking and talk Stem sentences	Problem solving questions, daily fluency at start of lesson KS1 daily number sense/ retrieval KS2 daily retrieval lessons	Opportunities for cross curricular application	Nrich NCETM enrichment resources White Rose Premium resources Primary Maths hub resources

In the Classroom | NCETM