			Caring		Positi		tive		Stimulating		ng
Mathematician Intent			To provide high quality learning experiences where <b>all</b> children maximise their potential	To enable <b>al</b> develop understa Mathematica	I children to a deep nding of al concepts	equip <b>all</b> childrer the essential skil nd knowledge to ome confident an nt Mathematician	d curiosity and a love of Mathematics	To enable <b>all</b> of leave CPS with knowledge of Mathematics	hildren to a secure of basic al skills	hildren to ills of a an in a æxts and ts	To promote the basic skill of reading for <b>all</b> children through the eyes of a Mathematician
			Fluency - Children should be taught to:			Reasoning - Children should be taug			o: Problem Solving - Children should be taught to:		
	What	<ul> <li>Become flue frequent pra</li> <li>Develop cor knowledge r</li> <li>Recall multi</li> </ul>	ent in the fundamentals of f actice with exposure to incre nceptual understanding and rapidly and accurately plication facts for up to 12 p	nrough varied and lex problems over t recall and apply d of Year 4	<ul> <li>Follow a line of enquiry, making links and generalisations, and developing an argument, justification or proof using Mathematical langua</li> <li>Use the specific language needed to make links their Mathematical understanding</li> </ul>			<ul> <li>Apply their Mathematical understanding to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions</li> </ul>			
Implementation			Teaching and Learning			Learning Environment Buildin			ral Capital and Inspiring	Su	pporting all learners to aspire and
	How	Mastery Curriculum - We follow a mastery curriculum where topics and key skills are faught in depth. We teach content in blocks of learning. Skills are revisited through Remember More learning, revisiting learning from previous lessons, and by making links to other areas of Mathematics eg: measures, money etc. A mastery curriculum ensures that children have a deep, secure, long term knowledge of the Mathematics curriculum and that children confidently apply their skills and knowledge to a variety of situations and contexts. We use the White Rose pedagogy as a starting point for planning; the progression of manipulatives and resources are carefully planned and sequenced, there is an emphasis on Mathematical talk and use of Mathematical vocabulary, previous knowledge is included in each block supporting teachers to know what skills and knowledge has previously been taught. We ensure there are daily opportunities for all children to develop reasoning and problem solving skills within lessons and use sentence stems to support verbal reasoning. To ensure that all children become fluent in their basic skills, children from Year 2 - Year 6 complete a weekly arithmetic lesson. Times Table Rock Stars – From the beginning of Year 3, children use Times Tables Rock Stars which they can access at school and at home to develop their times table recall. In class, the children in Key Stage 2 practise their times tables frequently throughout the week. Children who require further intervention are identified.			and use of Manipulatives Each class has a Mathematician display board, showing key content which includes a learning wall that is updated regularly to support the children in their learning. Sentence stems are displayed within the classroom alongside Multiplication Wizards (Years 2—6 only). Each class has an interactive whiteboard which is used as a teaching tool to teach new mathematical concepts, consolidate learning, and to solve problems. Following the Calculation Policy, all children have access to the manipulatives required to support their Mathematical understanding. These manipulatives are easily accessible to children during their Mathematics lessons. As well as these we also have larger mathematical resources stored centrally.		Curiosity Mathematics is integrated in contemporary culture with a STEM (Science, Technology, Engineering, Mathematics) foci. With this change, creativity has emerged as the new cultural capital of the mathematics classroom. Creativity is needed to address current and future problem-solving challenges of the twenty-first century and beyond. FS and KS1 inspire curiosity in Maths by putting learning into context with the use of role plays. FS have maths provision in their outside area for the children to access independently. Wherever possible, teachers help children put their maths learning into real life context and support pupils in making links with other subjects. In each class the children are seated with a learning partner. This changes regularly through- out the year which exposes each child to a range of social/cultural dialogue. A famous Mathematician is shared with the children during the termly Maths		ach We prov immerse Through to budge require We prov time. Ch ing and tailored teachers As subje towards with clos Teacher (Years § Mathem	ieve (including the disadvantaged) vide regular opportunities for the children to a themselves in Mathematical concepts. hout the school year the children are exposed ets, scoring, ranking and voting, all of which basic maths skills. vide regular feedback to children and RTF hildren are encouraged to assess their learn- talk about their achievements. We provide interventions and focus group time with s and TA's. ect leaders, we regularly signpost teachers all the resources we have to support them sing gaps for children. rs provide fortnightly (Years 1-4) / weekly 5-6) home learning which always includes a latician focus.	
Impact	Assessment SATS— Year 6 White Rose Assessment twice a year (Autumn and Summ (Year 1 –5) Year 4 Times table Check Insight Tracker Ongoing Formative Assessment Ongoing Formative Assessments White Rose—end of block assessments Progress is reported to parents three times per year		mer)	<b>Monitoring</b> Book Scrutiny Planning Scrutiny Times Table Rock Stars Data Outcomes Pupil Conferencing Teaching and Learning Observation		Quality of Education Attainment at the end of each Key Stage (Including FS) is required to be in line with, or better than national expectations. Learners must make progress in line with, or better than national expectations.		Behaviour and Attitudes All children approach their Mathematical learning with enthusiasm and confidence. Children are aware of the 4 R's and use these inherently throughout their learning journey. They have a positive attitudes towards solving problems and are resilient in the face of a challenge.		Personal Development All children are given the tools to enable them to both acquire Mathematical knowledge and to build on what they already know, ensuring they develop life long skills.	