






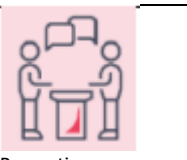










# Maths Curriculum

To provide solutions to many problems and have an appreciation of the beauty and power of maths to solve problems with enjoyment and curiosity.

	INTENT		IMPLEMENTATION		IMPACT
 <p>Alignment to National Curriculum</p>	<p>At St Anne's, we believe mathematics is an important part of children's development throughout school, right from an early age. We deliver a curriculum which follows the National Curriculum and allows our children to be a part of creative and engaging lessons that will give them a range of opportunities to explore mathematics following a mastery curriculum approach.</p>	 <p>Pedagogical Approaches</p>	<p>Our mastery approach to the curriculum is designed to develop children's knowledge and understanding of mathematical concepts from the Early Years through to the end of Y6. It promotes fluency, as well as developing reasoning and problem-solving skills. All our children have the opportunity to develop mastery through a wide range of learning opportunities. We utilise both independent and collaborative learning.</p>	 <p>Approach to Assessment</p>	<p>In order to support teacher judgements (Y2 and Y6) children may be assessed using current and reliable tests in line with the national curriculum for maths. Gap analysis of any tests that the children complete is undertaken and fed into future planning.</p>
 <p>Sequencing and end points</p>	<p>By the end of their primary journey, pupils should have developed a love of maths that will remain with them for the rest of their lives. Pupils will develop detailed mathematical knowledge and skills over time. Pupils will make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.</p>	 <p>Teacher's Expert Knowledge</p>	<p>Teachers check for common misconceptions, correcting children when necessary and will use 'overlearning' to embed essential vocabulary and concepts. All staff have access to CPD sessions before starting to teach a unit on our scheme website. The curriculum maps also support this as it enables the teacher to prepare for the core knowledge that has been taught previously and will be taught.</p>	 <p>Performance Data</p>	<p>Summative assessments are completed at the end of the academic year and reported to parents, in parents' meetings and end of year reports. The maths lead has a clear role and works with SLT closely, to ensure key data is analysed and regular feedback is provided, to inform on progress and future actions.</p>
 <p>Communication Aims</p>	<p>At St Anne's we believe that all children should be given the opportunity to believe in themselves as mathematicians and develop the power of resilience and perseverance when faced with mathematical challenges. We offer daily opportunities for our children to become fluent, confident mathematical communicators.</p>	 <p>Promoting Discussion and Understanding</p>	<p>Promoting discussion has been built in to our lessons, often starting with more informal language initially, building up to formal and precise mathematical language. Talk tasks are part of every lesson in the curriculum to help with this development.</p> <p>Developing understanding has been planned into our curriculum through the use of the pictorial, concrete and abstract. Manipulatives and resources are used throughout the school to further the children's understanding.</p>	 <p>Pupil's Work</p>	<p>Children's work will be evident their individual books and jotters. We use blank books at St Anne's to avoid children to demonstrate their mathematical knowledge without the limits of squares. Children with additional needs are included in whole class lessons and teachers provide scaffolding and relevant support as necessary. For those children who are working outside of the year group curriculum, individual learning activities are provided to ensure their progress (Ready to Progress).</p>

 <p>Addressing Social Disadvantage</p>	<p>At St Anne's, our curriculum engages all children and entitles them to the same quality of teaching and learning opportunities, striving to achieve their potential, as they belong to our school community.</p>	 <p>Knowing More and Remembering More</p>	<p>The teaching actively promotes recall and retrieval strategies to commit knowledge to long term memory and this is part of a wider suite of metacognition tools and strategies used in all lessons. All lessons begin with a Do Now task, which requires children to use previous skills.</p>	 <p>Monitoring and Evaluation</p>	<p>The Maths curriculum leader triangulates monitoring through book looks, lesson observations and pupil talks as part of the monitoring cycle to gauge their attitudes towards the Maths curriculum. Maths lead is looking for children to demonstrate that mathematical concepts or skills are mastered and can show it in multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations.</p>
 <p>Local Context</p>	<p>Visits and Visitors are integral to Maths to emphasise to pupils the links with the real world and expose pupils to mathematical careers. We purposely have chosen to use the Ark My Mastery scheme as it is proven to help raise standards in mathematics for all children, including those from a disadvantaged background.</p>	 <p>Teacher Assessment</p>	<p>Assessment informs the teaching and learning sequence, and children work on the objectives they are assessed as being at. Feedback is given on children's learning in line with our feedback policy. Formative assessment within every lesson helps teachers to identify the children who need more support to achieve the intended outcome and who are ready for greater stretch and challenge through planned questioning or additional activities.</p>	 <p>Actions</p>	<p>During 2023-2024, the priorities for Maths at St Anne's are to continue to develop communication within maths using STEM sentences and Talk Tokens as part of our whole school approach. Also, to continue to develop automaticity (known number knowledge) and fluency of number using Mastering Number in KS1 and KS2, Times tables, basic skills and regular arithmetic tests in KS2. Continue to access CPD for staff using the Maths hub's free training.</p>
 <p>Enrichment</p>	<p>At St Anne's we love maths and we encourage our children throughout the school to feel the same via links with others subjects, applying an ever-growing range of skills with growing independence. We plan Maths Party Days to celebrate our love of maths and use books a basis including How many legs? Ten terrible dinosaurs, the doorbell rang, The Bad-Tempered Ladybird, the snail and the whale, 365 penguins and bean thirteen. We also love to develop our number automaticity and we sign up to Numbots and TTRS, which the children are able to access at school and home. We have visits from the HMRC for Years 5 and 6 and this helps us realise that maths is in our everyday lives as we get older. Our school Maths Ambassadors meet regularly and create challenges for the children in our school.</p>				