

Intent	Implementation	Impact
<p>Our school vision states that: We aspire for all at Parsonage Farm to feel valued and cared for, to have a continued excitement for learning, ensuring success as they journey onwards.</p> <p>Our maths curriculum helps children to meet our vision by linking maths with real-life situations for the children, to enable them to apply their understanding of mathematical concepts and to realise that maths is an integral part of everyday life.</p> <p>Our maths curriculum, will help children to achieve our vision by providing them with a secure foundation in the essential skills needs to become fluent, confident and keen mathematicians. They will know the importance of maths in everyday life and have a natural curiosity to explore maths in the world around them, asking questions to further their understanding, trying different strategies and having a 'go' in a learning environment where efforts are praised first.</p> <p>The National Curriculum for mathematics aims to ensure that all pupils:</p> <ul style="list-style-type: none"> <li>become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.</li> <li>reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language</li> </ul>	<p><b>Curriculum design</b></p> <p>At Parsonage Farm, early mathematical experiences and explorations begin in the Early Years and are developed throughout the school following the National Curriculum for KS1 children. Children acquire the basic early mathematical skills, covering the knowledge and understanding of place value, addition and subtraction, multiplication and division, shape and measure.</p> <div data-bbox="786 339 1469 555" data-label="Image"> </div> <p><a href="https://www.macmillanic.com/the-cpa-approach/">https://www.macmillanic.com/the-cpa-approach/</a></p> <p>At Parsonage Farm, we follow a CPA (concrete, pictorial, abstract) approach in maths in both EYFS and KS1. Children use a wide variety of practical apparatus to aid their learning and our curriculum provides children with opportunities to talk about, apply and explain their mathematical thinking. This is achieved through a combination of problem-solving and reasoning activities. KS1 follow HIAS maths planning, which builds on each unit term-by-term and year-by-year ensuring multiple opportunities consolidate learning and apply it to new contexts.</p> <p>Through our spiral curriculum and our high quality teaching for all, we aim to ensure that pupils develop confidence and mental fluency with numbers, counting and place value, involving all four operations. Our children will develop their ability when working with shapes and will be able to recognise, describe, draw, compare and sort different shapes using the mathematical vocabulary. Our curriculum further ensures that children are familiar with a range of measures to describe and compare different quantities including: length, mass, capacity/volume, time and money.</p> <p>Mathematical learning is promoted in other areas of the curriculum including Science and Computing.</p> <p>Maths is taught daily in each year group within timetabled whole class sessions and through daily routines and experiences. Within the EY, maths learning is practical and recorded where appropriate. This may be on a display or in a floorbook. In KS1 children have maths books.</p> <p>As a school we have an agreed set of teaching and learning principles that all staff use to ensure they are delivering the highest quality lessons to our children. These can be found here: <a href="https://www.parsonagefarmschool.co.uk/page/?title=Curriculum&amp;pid=29">https://www.parsonagefarmschool.co.uk/page/?title=Curriculum&amp;pid=29</a></p> <p><b>Enrichment</b></p> <p>All year group take part in cooking sessions, often as part of our D&amp;T curriculum. Within EYFS, we cook each half term and a big part of these sessions links closely to our maths curriculum.</p>	<p><b>Assessment of Maths</b></p> <p>Within our Early Years classes, teachers are continuously assessing children's maths skills through quality interactions in play, group sessions and whole class sessions. These assessments are on-going and inform a best-fit half-termly assessment to ensure children are working towards our end of EYFS goals.</p> <p>In Key Stage 1, teachers formally assess maths each half term. This is through daily observations, recorded work, discussions with children and other practical tasks. Entry and exit tickets are used to help teachers assess children's prior knowledge and to assess their knowledge at the end of a unit.</p> <p>Through the delivery of our maths curriculum, each child will have made progress relative to their own individual starting point. They will demonstrate fluency in the skills they have been taught.</p> <p>Our children will be are curious, investigative and exploratory mathematicians. They will try their best in all areas of learning, motivated by the supportive and challenging teaching within maths lessons.</p> <p>By the time children leave us, they have secured the required skills to be at age-related expectations for their year group.</p> <p>For those children requiring additional support, they will have a clear set of</p>

• can solve problems by applying their mathematics 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

Maths is statutory subject, meaning there is a National Curriculum to follow.

[https://assets.publishing.service.gov.uk/media/5a7da548ed915d2ac884cb07/PRI\\_MARY\\_national\\_curriculum\\_-\\_Mathematics\\_220714.pdf](https://assets.publishing.service.gov.uk/media/5a7da548ed915d2ac884cb07/PRI_MARY_national_curriculum_-_Mathematics_220714.pdf)

We have a clear progression of skills for each operation and end of year expectations for these, which can be found here:

<https://www.parsonagefarmschool.co.uk/page/?title=Curriculum&pid=29>

#### **Children requiring additional support**

If children require additional support to access maths lessons this will be tailored to their individual needs, based on any individual targets they may be working on. Within maths, retrieval and recall are key skills. For those children who need support with these skills a maths intervention may be put in place to provide them with additional time to practise a skill and develop recall strategies. All children have access to concrete/pictorial resources in all lessons, but some children may be given specific resources to ensure the cognitive load is lower, enabling them to access the learning more readily.

targets aimed at supporting them to make rapid progress.