

## Leechpool Primary - Mathematics

Intent	Implementation	Impact
<p>To teach a rich, balanced and progressive curriculum using Maths to reason, problem solve and develop fluent conceptual understanding in each area.</p> <p>Our curriculum allows children to better make sense of the world around them by exploring patterns between mathematics and everyday life and solving problems within real life situations.</p> <p>To have a mathematical curriculum that encourages children to love and enjoy working mathematically. Lessons are child focused and maths is kept fun and current in school. This leads children to be able to discuss and explain their mathematical approach to a problem confidently.</p> <p>Children in our school are developing their fluency throughout their time at Leechpool, leaving year 6 with a secure understanding of number and the four operations.</p> <p>Teachers are supported and aided in their roles ensuring confidence in the skills and facts they are required to teach.</p> <p>Children are regularly challenged in Maths, while also receiving the appropriate support in order to progress.</p>	<p>The mapping of Mathematics across school shows clear progression in line with age related expectations. Subject expertise allows the intentions of our mathematics curriculum to be executed successfully.</p> <p>CPD is important in maths and all staff are being encouraged to raise any issues they have within mathematics in order to ensure everyone is confident in what they teach. Subject leaders attend regular mathematics course and teaching assistants attended a range of in-school training sessions.</p> <p>Good practice is always shared between staff and all CPD is used to inform teaching and learning across school. Staff meetings are held half termly, focusing on:</p> <ul style="list-style-type: none"> <li>• Book looks</li> <li>• Professional development</li> <li>• Potential changes</li> </ul> <p>Our resources allow us to better use models and images to support learning in each area. Children are familiar with these and able to access them independently where needed also supporting learning in different contexts. The resources and equipment we use are audited and up to date, all staff had opportunity to submit orders to subject leaders – our central maths cupboard also holds many whole-school resources.</p> <p>Pupils are challenged through exposure to word problems for every unit of Maths. Pupils can take ownership of their learning, on occasion, choosing their own level of task. High attaining Mathematicians learn within the Maths Hub, with the support of a specialised Maths teacher, enabling them to tackle advanced level Maths. Those who are identified as SEND or</p>	<p>The impact of our mathematics curriculum is that children understand the relevance of what they are learning in relation to real world concepts.</p> <p>We have fostered an environment where Maths is fun and it is OK to be 'wrong' because the journey to finding an answer is most important.</p> <p>Our children have a growth mindset and they make measurable progression against their own targets.</p> <p>Our maths books are packed with a range of activities showing evidence of fluency, reasoning and problem solving.</p> <p>Our feedback and interventions are supporting children to strive to be the best mathematicians they can be ensuring a greater proportion of children are on track.</p> <p>Children 'have a go' and choose the equipment they need to help them to learn along with the strategies they think are best suited to each problem.</p>

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<p>underachieving are supported, revisiting learning where needed in class and in boosters.</p> <p>Leechpool's Dragon, Rainbow and Solar Maths allow children to continuously develop their fluency across year groups. Additionally mental arithmetic and Flash Maths are used to further this.</p> <p>Mathematics in our school is enhanced by our individual class working walls designed to aid children through each topic, alongside our use of online resources including: TT Rockstars, MyMaths, Sumdog and Numbots.</p> <p>Staff have several materials to refer to for short-term planning including- but not limited to Leechpool planning and White Rose Maths. These are used across KS1 and KS2 allowing children to be exposed to a variety of different types of learning and problems.</p> <p>Children are encouraged to reflect on their learning through weekly RAP time- allowing them to reason and/or reflect on their mistakes.</p> <p>Teachers also implement the schools agreed calculations policy for progression in written and mental calculations. Our half termly year group summative assessment help teachers to gather an understanding of their pupil's existing understanding of topics.</p> <p>Formative assessment is incredibly important at Leechpool where we focus on challenge questions, analysis of learning, extension work, mini plenaries and discussion with peers. There is coherent progression seen in planning within each unit and activities in EYFS develop knowledge and skills of key learning.</p>	<p>Children are developing skills in being articulate and are able to verbally, pictorially and in written form reason well.</p> <p>Our school standards are high, we moderate our books both internally and externally and children are achieving well.</p>
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