



# Churchside Federation

## Subject Statement for Mathematics

**Proverbs 22:6** *Train a child in the way they should go and when they are old they shall not depart from it.*

Mathematics			
Intent	Research links	Implementation	Impact
<p>At Churchside we aim to foster an enthusiasm for Maths while developing a confident understanding of the subject. Maths teaches children to solve problems and it develops their ability to reason. It is essential to everyday life as well as being crucial to success in many other subjects, such as science, technology and engineering. Our children should be able to effectively use Maths as a tool both within and outside of school. At the same time, they should also develop an appreciation of the subject in its own right, by exploring patterns, investigating and discussing mathematical ideas.</p>			
<p>To provide a high-quality Maths curriculum that enables all children to progress.</p> <p>To produce children who are competent users of Maths and recognise its value.</p> <p>To promote an enthusiasm for Maths.</p>	<p>“In mathematics, teacher knowledge is a key factor in the quality of teaching.”</p> <p><i>Improving Maths in Key Stages 2 and 3: Evidence Review (Nuffield Foundation, 2013)</i></p> <p><i>Improving Maths in Early Years and Key Stage 1 (EEF, 2020)</i></p> <p><i>Research Review: Mathematics (OFSTED, May 21)</i></p>	<p>The long-term plan ensures that all areas of the National Curriculum are covered across the year, with opportunities to revisit and apply.</p> <p>The Golden Treads are informed by research into effective Maths teaching and ensure essential elements are included in all learning: Knowing, Talking, Representing, Linking &amp; Using Maths. They also provide continuity throughout the year groups and a common language for learning Maths.</p> <p>Medium-term plans for each Year Group for each area of Maths support teachers’ subject knowledge and aid planning, and are further supplemented by the White Rose Maths scheme. Teachers produce their own short-term learning sequences, adapting the small steps to the needs of their class. The school is part of a four year programme to embed a Mastery-based curriculum, supported by Angles Maths Hub. Further CPD is provided via White Rose videos and the Academy Trust (DNEAT) to support new or less confident staff.</p> <p>Maths Essentials &amp; end of year expectations are shared with parents and homework activities encourage children to practise their skills and look for opportunities to apply Maths in real life.</p> <p>Regular monitoring (through lesson visits, talking to pupils, looking at children’s work &amp; analysis of data) ensures Maths teaching is effective and, where gaps in teachers’ knowledge are identified, appropriate CPD is provided. BIFs are used to improve specific aspects of Maths across the whole Federation.</p> <p>PIXL informs teacher assessments, which are then moderated both internally every term and externally at least once a year. Teachers</p>	<p>Children enjoy and are enthusiastic about Maths in our school. They recognise its value and can talk about situations beyond Maths lessons where Maths is used.</p> <p>There is a clear progression of children’s work and teacher expectations throughout the year groups. Children’s work shows evidence of coverage of the full Maths curriculum, with opportunities to apply this in different contexts.</p> <p>All children have opportunities to reason using age-appropriate mathematical vocabulary. Maths lessons include opportunities for discussion and a range of manipulatives and representations are used to develop conceptual understanding.</p> <p>Feedback from teachers has impact on pupils, by identifying misconceptions, developing skills or posing challenges.</p> <p>Standards in Maths at the end of the key stages are at least in line with National and arising issues are addressed effectively in school. The majority of pupils make good progress and additional support is in place for those who need it.</p> <p>Our SLT and governors are kept up to date with developments in the way Maths is run in our school with subject reports, action plans and review meetings.</p>



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		<p>monitor pupil progress, identifying where pupils may need additional support. SLT analyse progress data to identify cohort, group or whole school trends, planning appropriate actions where necessary to secure good progress for all.</p> <p>Keen pupils have the opportunity to become Maths Ambassadors, promoting Maths across the school and working with the Maths Subject Lead on school improvement. Subject days, subject leader assemblies, competitions and special events throughout the year foster a love of Maths.</p>	
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