

Maths Curriculum

Intent, Implementation, Impact



With our children at the heart of our school we aim to provide:

- An inclusive environment where all children thrive and feel safe
- A broad and rich curriculum where our children can explore their thoughts, feelings and ideas.
- A curriculum which provides the breadth and depth for our children to develop as a whole child.
- A curriculum which is enhanced by other experiences to widen our children's knowledge

Curriculum Intent	Curriculum Implementation	Curriculum Impact
<p>Through our Maths curriculum we aim for our children to:</p> <ul style="list-style-type: none"> • Become mathematicians • Be number confident • Understand how maths translates into their daily lives. Understand the importance of maths by making maths experiences as real as possible • Be fluent in mathematics basics • Reason mathematically • Communicate using mathematical vocabulary • Think logically and systematically • We want children to enjoy maths and experience success in the subject • Show key character competencies from the pledge- problem solver, resilient confident • Apply their mathematical knowledge to other areas of the curriculum. <p>The 2014 National Curriculum for Maths aims to ensure that all children:</p> <ul style="list-style-type: none"> • Become fluent in the fundamentals of Mathematics • Are able to reason mathematically • Can solve problems by applying their Mathematical knowledge and skills 	<p>Planning</p> <p>Our Maths Curriculum follows a cyclical structure where key knowledge and skills are revisited across a year, phase, key stage and whole school.</p> <p>We use long term/medium term plans to inform weekly planning</p> <p>We teach daily maths lessons- broad and balanced curriculum that allows time for practise and consolidation We believe in the maths mastery approach- with regular fluency and reasoning practise built into lessons</p> <p>Lesson Structure</p> <p>Clear LIs and TRST are shared at the start of every lesson and referred to throughout.</p> <p>Every lesson: lesson begins with: Daily maths starter - using the ready to progress criteria to identify gaps in learning Think, Pair, Share Practise tasks Independent Work (differentiated to match the children's needs, with support/challenge materials as appropriate) Plenary – these take place both at the end and throughout the lesson as appropriate.</p>	<p>Maths lessons are engaging and well-resourced with the pupils acknowledging that the journey to finding an answer is most important factor.</p> <p>Our children are resilient and they make measurable progress against the National Curriculum objectives</p> <p>Children are keen to attempt a range of problems and choose the equipment they need to help them to learn, along with the strategies they think are best suited to each scenario.</p> <p>Children are developing skills in being articulate and are able to reason verbally, pictorially and in written form.</p> <p>Well-planned sequences of learning support pupils to develop and refine their maths skills.</p> <p>Children are able to independently apply their knowledge to a range of increasingly complex problems.</p> <p>The impact of our curriculum can be seen through:</p> <ul style="list-style-type: none"> • Assessment Data • Children's ability to reason both verbally and in writing • The correct use of mathematical vocabulary • The application of skills to solve problems

Variety of teaching approaches used throughout maths lessons
Variety of resources used in lessons- use of concrete, pictorial and abstract
Afternoon mental maths sessions

Learning Environment

Cross curricular maths- applying the skills taught into other lessons
Working walls and calculation posters in all classrooms to support the in class learning
Interventions for all children

Other Resources to Support the Teaching and Learning

Home learning tasks- weekly homework on purple mash to support lessons in school
TT Rockstars to support with the multiplication check

Assessment

Formative assessments are carried out throughout a lesson to inform the next day's teaching
AFL is carried out throughout the lesson to ensure misconceptions are addressed
Summative assessments are carried out at the end of each term.