

Maths Intent, Implementation and Impact Statement



Our Intent

- To recognise the importance of mathematical skills in everyday life.
- To ensure all children are excited about Maths and are challenged, whatever their understanding.
- To develop resilience that enables all children to reason and problem solve with increased confidence.
- To deliver an inspiring and engaging curriculum through high quality teaching which is well planned and meets the needs of all our children.
- To ensure new mathematical concepts are introduced using a 'Concrete, Pictorial and Abstract' approach.
- To enable all children to experience hands-on learning when discovering new mathematical topics and allow them to have clear models and images to aid their understanding.
- To provide opportunities for children to build a conceptual understanding of Maths before applying their knowledge to everyday problems and challenges.
- To ensure children become fluent in calculations, possess a growing confidence to reason mathematically and develop their problem-solving skills.

Implementation

- Maths will be taught daily as a discrete subject. In Key Stage 1, lessons last between 45-60 minutes and in Key Stage 2 they are one hour. EYFS will be taught through the framework and continuous provision.
- In EYFS, Reception and Pre School have five taught sessions per week following White Rose Maths supplemented with Mastering Number resources where needed. Nursery class focuses on the three prime areas of learning and maths is covered within this.
- The school will follow White Rose Maths, which is a mastery scheme of learning based on the National Curriculum.
- Children will be provided with opportunities to develop their mathematical fluency, both in number and times tables. Fluency Bee will be used in Years 1 to 2 and a separate arithmetic lesson will take place in Years 5 and 6.
- Teachers will have good subject knowledge and will be supported to maintain and improve this knowledge through training, observing best practice and undertaking relevant research
- The Maths subject leader will provide colleagues with support for planning, resourcing and teaching
- The Maths subject leader will take part in regular Network meetings and training to keep abreast of any updates, changes or developments in their subjects and disseminate them to staff
- The Maths subject leader will drive their subject forward through analysis of assessment, regular monitoring, feedback from staff and pupils and personal research.
- Learning will be child led and teachers will facilitate
- Learning will be accessible for all through teachers knowledge and understanding of the needs of the children in their class.
- Interventions will take place where needed.
- Children will be assessed using NFER Progress tests termly and at the end of the year to track their progress against Age Related Expectations.
- Key mathematical language and vocabulary will be used repetitively in all Maths lessons.
- Working walls will be used to reflect the learning taking place.
- Times Tables Rock Stars will be used to enthuse the children in learning times tables.
- A Growth Mindset approach will be used consistently across all Maths lessons.
- Links to other subjects will be made wherever possible, for example Science, Geography, History and DT.

Impact

- Children will show confidence in believing that they can achieve.
- Each child will achieve objectives (expected standard) for year group.
- Children will demonstrate a flexibility and fluidity to move between different contexts and representations of maths.
- Children with SEND will achieve the best possible outcomes and are monitored through Governors and in school.
- Mathematical concepts will be mastered when a child 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.
- Children will be assessed using NFER Progress tests termly and at the end of the year to track their progress against Age Related Expectations.
- Assessments will be used to update children's progress in the key mathematical skills on Target Tracker.
- The impact of our Maths curriculum is evaluated through ongoing assessments and Government tests; through Governor meetings; visits and through our own monitoring of teaching, learning and pupil voice.
- Progress in Maths will be reported to parents and governors.