

St Joseph's Mission Statement

Our school is proud to be part of the Roman Catholic Church in the parish of St Joseph's. Our mission is to serve God, uphold the worth and dignity of every person and enable them to develop their talents. Everything we do is rooted in the values of the Gospel, as we seek to deepen faith, strengthen hope and grow in love in a respectful, safe and happy environment.



Maths



'So teach us to number our days, that we may apply our hearts unto wisdom.'
Psalm 90:12

IMPLEMENTATION

TEACHING AND LEARNING STRATEGIES

1. An appropriate range of teaching and learning strategies will be used in all mathematics lessons to capture pupils' interest and to promote effective learning and progress.
2. Teachers will use the NCETM curriculum prioritisation documents, alongside resources from White Rose, supported by a range of teaching and learning resources, to develop the knowledge, skills and understanding of every child, ensuring that all pupils, including those with SEND, achieve high standards for their ability and make appropriate progress. Children will be encouraged to; ask questions, solve problems, discover new information, apply and consolidate their knowledge, skills and understanding through first-hand experience, investigations and practical work.
3. Teachers will make use of the immediate and wider environment to help pupils apply mathematics and see the relevance of mathematics to their own lives. They will set challenging work, tasks and problems to increase children's' knowledge, skills and understanding and to extend their thinking.
4. Teachers will assess children's work in mathematics through formative and summative judgements by; asking questions, observing learners during lessons, observing pupils solving practical problems and listening to pupils' discussions. Work will be marked regularly and frequently and pupils will be given appropriate, clear feedback which tells them how well they have done and what they need to do next to improve.
5. The mathematics subject leader will support the teaching and learning of mathematics by; providing strategic leadership and direction for mathematics, monitoring progress and standards across the school, reviewing and revising the mathematics policy, monitoring and supporting teachers in the teaching of mathematics, keeping staff up to date on new developments in mathematics, monitoring the effectiveness of the planning and development of mathematics, auditing, monitoring the effective and appropriate use of resources and obtaining new resources.

INTENT

At St Joseph's we aim to inspire all of our pupils, irrespective of their ability, to reach their full academic potential. We recognise that mathematics is a critical area of skill and knowledge that impacts on the quality and value of the lives we lead. Therefore, our objectives in the teaching of the maths curriculum include:

1. To promote and develop children's enjoyment and enthusiasm for maths through exciting, practical, first-hand learning and opportunities to explore and investigate.
2. To ensure that the statutory requirements of the National Curriculum for mathematics are taught well and applied across all subjects of the curriculum.
3. To ensure that the school's schemes of work and guidelines for mathematics are taught thoroughly, systematically and progressively to all pupils by all staff.
4. To help pupils to become mathematicians by developing their confidence and resilience in problem solving and reasoning so that they can apply their independent thinking and questioning across the curriculum.
5. To ensure that from the EYFS onwards, pupils are confident in their understanding and application of their basic skills in number and the number system and that they build upon their prior learning at every stage.
6. To encourage children to use their increasing knowledge, skills and understanding of mathematics to investigate, ask questions and solve challenging problems.
7. To develop pupils' confidence and skill in mental calculation methods to underpin their written methods as they explore the areas of mathematics and address increasingly complex problems.
8. To bring mathematics to life and make it real, to ensure that children understand the importance of maths in their everyday day lives.

Moderation

The subject leader and members of SLT regularly monitor the subject throughout the year. This involves book looks, pupil interviews, learning walks and data analysis. We also take part in moderation sessions with other local schools.

DATA 2022-2023

KS2 SATS: Year 6	KS1 SATS: Y2
Maths EXP or above 80% (73%) Maths GDS 40%	Maths EXP or above 85% (72%) Maths GDS 12%
(National Average)	(National Average)

Enrichment:

Teachers look for opportunities to enrich pupils' learning through experiences that are memorable and meaningful. These may be teacher-led activities within the classroom, workshops run by visitors or off-site trips such as:

- The National Young Mathematicians Awards
- Maths competitions run by local high schools
- Explore Learning Workshops
- Maths/Number days in school
- Times tables competitions
- Number Day

IMPACT

We will ensure that all pupils become fluent in the fundamentals of mathematics, including the varied and regular practice of increasingly complex problems over time. They will be enabled to reason mathematically by following a line of enquiry, understanding relationships and generalisations, and developing an argument, justification or proof using mathematical language. Effective teaching will ensure that they can solve problems by applying their mathematics with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions. As pupils progress through the school, they will become increasingly confident mathematicians

Pupil Voice – Impact

"I love solving problems which have loads of different steps to work on because it's challenging and a test of my ability"

"I like doing arithmetic and solving calculations"

"Maths helps us in real life because it helps us tell the time, pay for things at the shops and when we get older it will help in our jobs."

"Maths is good for making us resilient and teaching us never to stop trying."

"If you're committed to solving problems, you make mistakes and have to learn from them."