

Intent

- Children enjoy maths and develop an understanding of the importance and real world application of maths, beyond the classroom.
- Children develop secure mathematical knowledge which will assist them in whichever future career path they take, as well as in their daily lives.
- They gain secure knowledge of mathematical vocabulary and can recall number facts including times tables quickly and accurately.
- They become fluent in performing both written and mental calculations.
- They learn a range of strategies and skills to enable them to apply their mathematical knowledge to complete investigations, problem solving and reasoning tasks to deepen their mathematical understanding.
- Children develop the ability to show initiative in solving problems in a wide range of contexts, reason, generalise and make sense of solutions.
- Children can think independently, persevere when faced with new challenges and work effectively in collaboration with others.

Implementation

- Our long-term plan is based on White Rose Maths through Master the Curriculum
- Quality first teaching ensures emphasises high quality, inclusive teaching for all pupils in a class.
- Planning and resources are adapted for all learners within each year group and taught in our mixed age classes.
- Learning is revisited and consolidated with retrieval tasks to ensure more is remembered.
- Lessons consist of retrieval, fluency, reasoning and problem solving.
- High quality resources support children's understanding of maths at all stages using the Concrete, Pictorial, Abstract approach (CPA).
- Vocabulary is specifically taught within lessons and mapped out for each stage of the children's learning.
- Cross-curricular consolidation and links with other subjects and the real world are purposefully made.
- Children have regular opportunities for deeper level learning to help develop mastery.
- Where needed, gap targets and interventions are implemented.
- School and home access to TT Rockstars and Century is provided to aid the children with their learning

Impact

- Children have a love for mathematics at our schools
- All children make good or better progress.
- Children are confident, resilient learners who can persevere when faced with challenges.
- They learn a rich vocabulary and show a strong understanding of mathematics concepts and can apply these effectively.

- Children understand the importance and benefits of maths in the real world and leave primary school ready for the next stage of their education.

Here is what our pupils said about their maths learning:

- 'I find maths easy because I know my times tables which are transferable skills'
- 'I learn new things which help me help others and for my future'
- 'If we learn maths, it will help us to go on to learn more in science because they are connected'
- 'We should never give up, even if we struggle, we need to persevere'