



## Wray Primary School

### Maths policy

#### Intent

- To provide maths learning opportunities that meet the individual needs all of our children
- For children to develop lively, enquiring minds, becoming self-motivated, confident and capable
- To promote mathematical reasoning and problem solving in all areas of our curriculum
- For our pupils to build fluency in the fundamentals of maths, develop conceptual understanding and the ability to recall and apply knowledge quickly and accurately
- To build children's confidence, resilience and perseverance in maths
- To provide opportunities to explore real-life applications of maths
- For our children to learn about and take inspiration from successful mathematicians that have shaped our world
- For children to develop an investigative approach to maths, collaborating with others to solve problems
- To encourage rich discussions that involve the correct use of mathematical vocabulary to support explanations
- To teach children efficient and systematic ways of problem solving, including the use of mental methods for calculation where more suitable
- To make strong links with parents and families to support their understanding of the children's learning and to build upon their learning at home
- To develop our children into lifelong mathematicians with a keen sense of curiosity and an understanding that maths is for everyone

#### Implementation

- Daily maths lessons that follow the White Rose Maths scheme of learning, building on previous teaching and showing clear progression from Reception to Year 6 (see our Maths Progression Document for more information)
- Teachers follow a mastery approach to learning, leading children through concrete, pictorial then abstract example of learning

- 'Flashback Four' and regular revisiting of previous learning
- Teachers plan additional challenges to deepen the understanding of children that grasp a concept quickly
- Teaching assistants that play an integral part in maths lessons supporting all children in their learning
- Frequent maths investigations, exploring topics in different ways and encouraging group work and maths discussions
- The incorporation of maths into all areas of the curriculum
- Teachers model the use of correct mathematical vocabulary and support and encourage the children to do the same
- Working walls and displays to support children's learning and to show mathematical vocabulary
- Same-day interventions and maths intervention groups to support children when needed
- 'Doodle Maths' and 'Times Tables Rock Stars' are used both at school and at home
- Weekly certificates in our celebration assembly to reward children's effort in their home learning; house points and Head Teacher's Awards to celebrate success
- Annual celebration of 'Maths Week,' during which teachers focus on mathematical themes throughout the week in various different areas

### Impact

- Maths is taught consistently throughout the school with a shared ethos and value of the maths mastery approach
- The maths mastery approach provides a depth of understanding that allows children to access new learning confidently and apply their existing skills to new teaching
- Topics are constantly revisited and consolidated so that children can see the links between the different areas of mathematics
- Children are well supported in maths by all adults in the classroom, allowing children to access learning at their own level of challenge
- The investigative approach to maths teaches the children resilience, perseverance, communication skills and an opportunity to discuss and explain their learning
- The children are given a wide range of opportunities to use and apply their maths skills that extends beyond the maths lesson
- Children have a positive and confident approach to their maths learning