

## **Maths at Westgate:**

The National Curriculum states:

‘Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history’s most intriguing problems. It is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject.

### **Aims**

- Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

When teaching Maths at Westgate, we want the children to develop:

- A positive, can-do attitude towards Maths.
- The ability to solve problems when working cooperatively, collaboratively and independently.
- Fluency in key areas of Maths and be able to apply their learning in different contexts.
- Accurate and confident use of appropriate mathematical vocabulary.
- Understand the importance of Maths in everyday life.

### **Developed with staff consultation 2020**

Our skills progression and sequence of learning documents are listed under each year group’s tab. We are currently developing a ‘Mastery’ curriculum at Westgate which focuses on the idea that all pupils can achieve depth in their learning. Our curriculum interleaves key fluency objectives with the aim that mathematical knowledge will become deeply embedded in pupil’s memory.

Staff use resources from Lancashire Primary Mathematics Team across school as listed below:

Reception: Lancashire Sequence of Learning and Planning

Years 1-3 – Red Rose Mastery Maths Scheme.

Years 4-6 – Lancashire Sequence of Learning and Planning

In all year groups, we may deviate from the planned sequence of learning based on previous gaps in knowledge and the general needs of the cohort.

On occasions where children require some additional support or 'catch-up', we use the following interventions:

Year 1 – 1<sup>st</sup> Class @ Number – delivered by a trained Teaching Assistant.

Years 2-5 – 'Number Stacks' – delivered by Teaching Assistants.

Year 6 – Targeted small group intervention delivered by a specialist Maths teacher.