

### INTENT

At Severnbanks Primary School we work to ensure that all children have access to a Maths curriculum which prepares them for life-long learning, acquiring knowledge and skills to take with them on their learning adventure.

At Severnbanks, we actively plan for children to make connections in their learning, providing challenge in enjoyable lessons to engage children to lead and flourish in the learning process. We aim for children to become fluent and confident in number facts demonstrating the ability to recall key facts with speed and accuracy.

Our curriculum provides children with a range of strategies to support them in calculating mentally as well as the use of concrete apparatus, pictorial representations and abstract to support their problem solving skills.

Our Maths curriculum allows opportunities for children to demonstrate our school values, vision and curriculum drivers by showing **teamwork**, **respect** and **kindness** when working with others and becoming **resilient** learners. We aspire to develop **creative** and **curious** mathematicians by providing opportunities to problem solve and contextualise to the real world.

Pupils are encouraged to be **independent** when learning and know how to use resources to support their own learning. Our teaching of the maths curriculum promotes that pupils **aspire** to be mathematicians and **achieve**.

### IMPLEMENTATION

Teachers use the White Rose Maths Curriculum to plan lessons - this is a research based scheme which incorporates the National Curriculum requirements for each year group. The Maths curriculum is taught in blocks throughout the year, allowing time to embed and broaden children's understanding of each area of Maths, including number, calculation, fractions, geometry, measure and statistics. The curriculum is mapped out in a progression document made up of small progressive steps which considers the children's prior learning and essential next steps, this is followed by all staff within our school.

Children work to apply their learnt skills and knowledge to solve mathematical problems and to reason mathematically. Children acquire a solid mathematical understanding through the use of concrete apparatus, pictorial representations and abstract or formal written methods to give them the best chances of mastering maths to solve problems and use in real-life situations.

Throughout our lessons, children are given the opportunity to develop their oracy skills through the use of mathematical vocabulary. They learn to make connections with the wider world to identify and develop their mathematical thinking and understanding to prepare them for the next stage of their learning adventure.

We use a concrete, pictorial and abstract approach to learning at all levels. All children begin from the same starting point in the curriculum with immediate intervention being implemented where required. Teacher use their expertise to supplement our scheme with further resources to sufficiently challenge and further deepen their understanding.

### IMPACT

At Severnbanks:

- Children will become quick and fluent in using number facts.
- Children will become efficient in using calculation methods in arithmetic to support their problem solving.
- Children will be confident in using correct mathematical terminology.
- Children will be able to apply their mathematical understanding in solving problems across a range of scenarios and situations.
- Children will be able to recall their timetables facts up to 12 x 12 by the end of Year 4.
- Children will be aware of maths as an important part of the world that they live in

## Where Stars Shine



- Children will develop a love of mathematics that will stay with them throughout their lives.
- Children will become resilient mathematicians when faced with challenges and use this skill in their future learning.