



Nurturing the Future, Inspiring Success

Mathematics

What is our aim? (Intent)

At North Farnborough Infant School we promote a sense of **excitement** and **curiosity** about mathematics through interactive and engaging experiences. Every child is encouraged and supported to have an “I can solve anything...” attitude and to develop confidence and **Resilience** when solving mathematical problems in different contexts.

Achievement is at the heart of the mathematics curriculum. We celebrate each child’s progress, regardless of their starting point, and ensure our children experience the **maximum sense of success**. We encourage all children to become fluent mathematicians, who are confident in the fundamentals of mathematics. The children achieve this through varied and frequent practice with increasingly complex problems over time. This will allow children to develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. Our curriculum, supports the development of perseverance, encouraging children to bounce back from mistakes and see them as opportunities for growth. As a school we use the mantra ‘I can’t do it yet!’ in order to promote **resilience**.

We aim for children to be able to make rich connections between mathematical domains and reason by justifying, making links to known facts, being curious about and noticing patterns and providing proof using mathematical language.

We want every child to develop a sound understanding of and excitement about mathematics equipping them with the skills of calculation, reasoning and problem solving that they need in life beyond school.

How do we teach it? (Implementation)

At North Farnborough Infant School we follow a clear mathematics scheme of work which is in line with the Early Years Foundation Stage (EYFS) and the National Curriculum.





A ‘mastery’ approach has been adapted and implemented for the planning, delivery and engagement with mathematics.

Mathematics is one of the four specific areas in Early Years Foundation Stage. Children are provided with opportunities in both the indoor and outdoor classrooms to develop and apply a deep understanding of numbers to 10, the relationships between them and the patterns within those numbers. Children have opportunities to use manipulatives, such as counters and tens frames to organise their counting. They develop spatial reasoning skills across all areas of mathematics including shape, space and measures.

In Key Stage 1, we follow the Hampshire scheme of learning for mathematics where mathematical concepts are explored progressively. Units of work are repeated and revisited several times throughout the year ensuring a full coverage of the curriculum and allowing for children to make links and connections across domains and strengthen their understanding.

We believe that mathematics should be taught within a real-life context whenever possible, allowing children to build on their own experiences and make mathematical connections. Teachers will look for opportunities to include mathematics in the wider curriculum or bring the wider curriculum into maths lessons. Examples of this are - measuring in science and technology, the presentation of data in history and the counting of numbers and patterns in music. IT is also be used to enhance the teaching and learning of Mathematics.

Through developing **curiosity**, fostering **achievement**, cultivating **resilience**, and modelling **excitement**, we aim to help our children understand number, shape their future, and become lifelong learners. We challenge them to develop skills that will support them in navigating not just mathematical inquiry, but the complexities of the world around them.

North Farnborough Infant's CARE Curriculum			
Curiosity	Achievement	Resilience	Excitement
 <p>Curious George</p>	 <p>Gerald the Giraffe</p>	 <p>Tigger</p>	 <p>Joy</p>
<ul style="list-style-type: none"> ▪ To ask questions ▪ To challenge themselves and others ▪ To listen and to investigate 	<ul style="list-style-type: none"> ▪ Building on starting blocks ▪ High self esteem ▪ A sense of pride ▪ To be self-motivated 	<ul style="list-style-type: none"> ▪ Bouncing back ▪ Learning from/celebrating mistakes ▪ Positive attitudes ▪ Coping skills ▪ Feeling safe 	<ul style="list-style-type: none"> ▪ Engagement ▪ Creating memories ▪ Having fun ▪ Practical learning experiences ▪ FOMO- Fear of missing out!!

Safe Respectful Ready