

EYFS Maths

Curriculum Intent

Our children will develop the strong grounding in number that is essential to developing the necessary building blocks to excel mathematically. They will be able to count confidently, and develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers.

The children will make important connections across different mathematical areas in order to develop fluency, mathematical reasoning and competence in solving problems within everyday contexts.

By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives like the tens frame for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built.

Children develop their communication and language skills as they are supported with using and understanding key mathematical vocabulary. They are also encouraged to explain their knowledge and thinking using 'stem sentences'.

Our curriculum will include rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. Children will develop positive attitudes and interests in mathematics, look for patterns and relationships and spot connections. They will begin to develop a growth mindset and will have the confidence to 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes.

Curriculum Implementation

Our EYFS maths curriculum has been designed to support the development of mastery and reasoning skills. Planning follows small step progression and numbers are introduced one at a time. We explore a variety of different mathematical areas while focussing on our 'number of the week', including counting, recognising number patterns, number bonds, addition and subtraction. Children are encouraged to develop a deep understanding of numbers up to 10 and beyond.

Children are supported in their learning through the Concrete, Pictorial, and Abstract methods. They are exposed to a wide range of mathematical resources to support their development, beginning with manipulatives and eventually leading onto abstract ways of recording their work. Where applicable, weekly plans follow the current topic being taught (e.g. Space) and objectives are delivered based on children's own interests.

Children will participate in short taught lessons and will be able to utilise learning through tasks in a dedicated maths area. Mathematically rich experiences support the daily objective throughout the continuous provision.

We aim to ensure that there are resources and opportunities for mathematical development across all areas of continuous provision; our pupils will have the opportunity to apply their mathematical knowledge to a range of subjects to maximise their enjoyment and curiosity about the subject.

Curriculum Impact (including pupil outcomes)

All pupils will be able to demonstrate fluency within number work up to and including ten. They will have a deep understanding of one-to-one correspondence, representation, cardinality and ordinality and be able to use a secure mathematical vocabulary to describe their reasoning and problem solving. They may begin to conjecture how their learning applies to numbers beyond ten and will be familiar with the counting pattern to twenty and beyond. Pupils will have a practical understanding of the same and different; the principles of measures and shape as way to describe a physical quantity; and of the concepts of grouping and sharing. They will be enthusiastic and confident to apply maths to real contexts and will be ready to demonstrate their knowledge using pictorial and written forms.