Rushbrook Primary Academy

Subject Information

EYFS Maths

Maths in the Early Years

The children's journey of maths starts at EYFS. Pupils are taught to become proficient mathematicians through exploratory learning in Nursery. They begin by developing a strong sense of number, which is essential so that all children develop the necessary building blocks to excel mathematically. Throughout Early years, we use loose parts, natural objects and found objects in the environment, adults will promote curiosity around number and counting.

In EYFS children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers. By providing frequent and varied opportunities to build and apply this understanding - such as using manipulatives, including small pebbles and tens frames for organising counting - children will develop a secure base of knowledge and vocabulary from which mastery of mathematics is built. In addition, it is important that the curriculum includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures. It is important that children develop positive attitudes and interests in mathematics, look for patterns and relationships, spot connections, 'have a go', talk to adults and peers about what they notice and not be afraid to make mistakes.

Each topic (or trajectory) is broken down into the levels, or steps, children take on their path to being strong mathematicians.

Nursery and Reception

Number

Counting
Comparison
Cardinality
Composition

Space, Shape, Measure

Spatial awareness
Shape
Pattern
Measure

Practicing and developing fluency in basic skills is embedded continually and teachers use opportunities to address misconceptions and move children forward. In maths children learn to:

- ask questions, work collaboratively and apply their basic skills from Early Years to Year 6 to ensure that they:
- become fluent and confident in the fundamentals of mathematics
- are able to reason mathematically and make connections between number facts
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication and complexity