

Maths in the Early Years

Educational Programmes for Children in EYFS

Educational programmes must involve activities and experiences for children, as set out under each of the areas of learning.

Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. 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.
- access a curriculum that includes rich opportunities for children to develop their spatial reasoning skills across all areas of mathematics including shape, space and measures.
- 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.

At the end of Reception

Children at the expected level of development will:

- Have a deep understanding of number to 10, including the composition of each number
- Subitise (recognise quantities without counting) up to 5
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
- Verbally count beyond 20, recognising the pattern of the counting system
- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

A helpful reminder of how Maths terms are described can be found at:

<http://www.amathsdictionaryforkids.com/>