

Early Years Stronger Practice CPD for children under 2

Early mathematics

Every child deserves the opportunity to develop strong mathematical understanding from the very beginning.

Children are mathematical from birth. Through everyday play, exploration and interactions, babies and toddlers begin developing important mathematical ideas that help them make sense of the world around them.

The Mathematics for Under 2s programme supports early years educators to strengthen their knowledge, confidence and practice in supporting mathematical development from birth to age two.

Through this free-to-access, high-quality professional development, educators will learn how to identify, support and extend mathematical learning as part of their everyday practice.

Why learn more about early maths?

The early years matter

The foundations of mathematical learning begin long before children enter school. Babies and toddlers learn through exploring relationships, noticing patterns, comparing quantities and moving through space.

Everyday experiences build mathematical understanding

Mealtimes, transitions, outdoor play, treasure baskets, stories, songs and routines offer rich opportunities for mathematical learning. Educators play a vital role in helping children make sense of these experiences.



Early maths is about more than counting

Children's mathematical development includes:

- Number
- Pattern
- Measures
- Shape
- Space

Developing knowledge across these key areas helps children build confidence, curiosity and enjoyment in learning.

Together we can improve outcomes

By understanding how mathematics develops from birth, educators can create environments and experiences that support children to flourish mathematically from the very start.

Early Years Stronger Practice CPD

Mathematics for Under 2s

This evidence-informed professional development programme helps educators develop their understanding of mathematical development from birth to age two and strengthen practice through practical, everyday approaches.

Module content

Unit 1: Early Maths for Under 2s
Understanding early mathematical development and the importance of play and routines.

Unit 2: Number
Supporting children's understanding of quantity and number through everyday experiences.

Unit 3: Shape and Space
Developing spatial reasoning through exploration, movement and play.

Unit 4: Pattern and Measures
Helping children notice patterns, comparisons and predictable sequences.



Learning Format

Through four evidence-informed units, educators will strengthen their understanding of mathematical development from birth to age two and explore practical approaches that can be embedded naturally into everyday routines, play and interactions.

- 8 hours of online self-study across four units
- 3 x 2-hour facilitated seminars/ webinars (6 hours)
- 14 hours total learning time

Included resources

- Developmental progression poster
- Practical video exemplification
- Reflective activities
- Key areas of maths poster
- Songs and rhymes pack
- Prompts for practice
- Glossary
- Reflection and action-planning tools

For more information, and to sign up, contact your local **Early Years Stronger Practice Hub**.

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