Mathematics Expertise Programme: Key Stage Two

Educator Solutions

What do young learners need to be competent mathematicians in Key Stage 2?

Course Outline

This programme explores some of the most effective ways to teach mathematics across the key stage. The NCETM have identified five 'big ideas' for developing mastery: coherence; representation and structure; mathematical thinking; variation and fluency.

This course will explore how these big ideas provide all children in Key Stage Two with high quality learning opportunities that promote conceptual understanding and over time improve the outcomes for all learners.

The programme will be structured as four half day sessions across two terms for sustained professional learning.

By the end of the programme delegates will:

- enhance their knowledge of mathematics and how to teach mathematics to enable learners to understand the structures and relationships of mathematics.
- have a deeper understanding of the teaching of mathematics today.
- understand the NCETM defined 'Five Big Ideas' and their role in the development of mathematical mastery.
- explore the national statutory requirements, testing, and importance of school curriculum.
- make connections between the big ideas of number and calculating.
- complete tasks that support professional development in teachers own classrooms.
- represent how mathematics works through the use of a concrete, pictorial and abstract approach including the bar model and the concept of proportionality.
- effectively challenge ALL learners to ensure there is a secured depth of understanding of number.
- make Links through reasoning and problem solving to geometry and statistics.

Phase
Primary

Audience
Class teacher
Subject Leader

Trainer
Anna Hogg

Dates
05/12/2017
22/01/2018
21/02/2018
19/03/2018
Delegates must attend all 4 sessions

Time
09:00 am - 12:00 noon

Venue
Norwich Professional Development Centre

Cost
£400 per delegate

Course Ref
TLS-1217-T011

For more information and to make a booking
www.educatorsolutions.org.uk or call 01603 307710