

Creating Reasoning Routines, Building Problem-Solvers in Y1 & Y2

Online Course with Gareth Metcalfe

Session 1: Whole-Class Routines, Reasoning with Number

Tuesday 26th September 2023, 1:15pm-2:45pm

In this session, we will share a range of accessible strategies for building reasoning into day-to-day maths lessons. This will include strategies to encourage all children to participate and the balance of individual thinking time with discussion. Then, a range of techniques for encouraging reasoning will be shared, including the use of variation for focusing children's thinking on key ideas. Samples of the new ***I See Reasoning*** eBooks will be shared.

Session 2: Developing Reasoning Across the Maths Curriculum

Tuesday 21st November 2023, 1:15pm-2:45pm

We will start by sharing outcomes and developing the ideas from session 1. Then, we will consider how these techniques can be applied across the KS1 maths curriculum. We will consider the role of spatial reasoning in mathematics development and the use of equipment and representations. We will also share opportunities for children to engage in sustained shared thinking in maths to nurture children's curiosity and independence.

Session 3: Introducing Problem-Solving

Tuesday 30th January 2024, 1:15pm-2:45pm

In this session, a coherent approach to teaching and learning in problem-solving will be shared. We see how visual representations and 'slow reveal' tasks can be used to build children's understanding of word questions. We will also explore how problem-solving tasks can be broken down to support all children to access these tasks. A range of resources for problem-solving will be provided.

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