

# Mastering Maths through Subject Knowledge Enhancement *for primary teachers*

Across several months, teachers work with Maths SLEs and lead practitioners to:

- Deepen pedagogical subject knowledge in the ‘harder to teach’ areas of fractions and proportional reasoning, algebra, and reasoning & problem solving
- Develop their understanding of a ‘teaching for mastery’ approach, and the role of deep pedagogical subject knowledge within this
- Develop skills for identifying key concepts and misconceptions associated with a topic
- Take part in action research in their own classroom using what they have taken from the course.
- Work closely with colleagues from other schools to develop and share practice

The course cost is funded by the Boolean Maths Hub and so is FREE to schools. For schools that take part in the course but do not contribute a short written case study of the action research, there will be a charge of £250. Please note that schools will need to cover their own supply costs, and a non-attendance without notification may carry an administration charge per session missed.

## Programme outline

All sessions run on Friday afternoons. Please note that the first session runs until 4pm. All other sessions run until 3.15pm.

Session 1	13:15 – 16:00	Introduction and fractions SKE
Session 2	13:15 – 15:15	Lesson Study 1: Outstanding Maths
Session 3	13:15 – 15:15	Algebra SKE
Session 4	13:15 – 15:15	Lesson Study 2: Maths in Shanghai
Session 5	13:15 – 15:15	Reasoning & Problem Solving SKE
Session 6	13:15 – 15:15	Lesson Study 3: Creativity in Maths & Action Research Planning
Session 7	13:15 – 15:15	Final session: Action research sharing & reflection

*We strongly suggest that schools provide one additional half day of release time for their teachers to write up the case studies of their action research projects.*

Teachers who successfully complete the course will be awarded a SKE certificate, assisting them in becoming confident and consistent outstanding teachers. It can also be used towards performance management.

All materials, lessons observed and case studies will form a comprehensive professional development package for schools to download and use to enhance other practitioners’ subject knowledge.

For further information, or to reserve places, please email Linda Corbidge, the Boolean Maths Hub Administrator at [BooleanMathsHub@clf.cabot.ac.uk](mailto:BooleanMathsHub@clf.cabot.ac.uk)