



Mathematics Subject Knowledge Enhancement Course for Serving & Returning Teachers

This innovative course, delivered in partnership by St Helens Teaching School Alliance and Liverpool Hope University, is designed especially for qualified teachers who are moving into teaching Mathematics, but do not have a previous mathematical qualification. It will enable you to develop your own knowledge and understanding of mathematics subject knowledge for teaching and to appreciate more fully the subject as encountered by learners at school and college.

Content

- Mental and written calculation approaches and progression, fractions, decimals, ratio and proportion, common misconceptions in algebra, development of own algebraic precision and fluency, proof.
- Dynamic geometry, exploration and proofs of theorems, circles, angles, polygons, transformations, coordinate geometry, locus.
- Approaches to data collection, use of real data, interpretation of graphical forms, measures of average and spread, probability, independent events, conditional probability.
- Throughout there will be a focus on relevant research in mathematics education and theories of learning.

Delivery

- Part-time over three terms, Autumn - Summer
- Full taught days on 3 Saturdays per term plus one Friday each term.
- Approximately five weekday twilight sessions per term.
- Sessions will take place both at local schools and at university, led by school and university-based experts.

Assessment

The course can be undertaken as either assessed or non-assessed.

Teachers completing the course without assessment will be awarded a Mathematics SKE for Teachers Course Completion Certificate.

Teachers successfully completing the course with assessment will be awarded the Postgraduate Certificate in Mathematics Education which is a Masters level qualification, comprising two 30-credit modules. Assessment consists of three written assignments of 2500 to 3500 words each plus one 20-minute presentation.

Cost

The course is free, subject to eligibility. A small fee will be charged to participants taking the assessment.

For further information and to apply:

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