



Advanced Mathematics
Support Programme®

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Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



Raising Confidence with Problem Solving in the GCSE classroom

Derby

22nd January 2020

Overview

This one-day course focuses on the development of problem solving through GCSE maths. It looks at how different areas of the GCSE curriculum can be connected through using well written problems and at how you can encourage your students to become creative problem solvers. It provides strategies and ideas for teachers to use immediately in their classrooms to develop the skills of all of their students. There will be opportunities to consider how these concepts and resources could be embedded in professional practice and contribute towards the ambition and intent of the department's curriculum.

Aims

- To share ideas and strategies for developing problem solving within your mathematics curriculum for all of your students
- To provide support in developing your professional practice and that of departmental colleagues
- To consider how your department can develop your curriculum in line with the 2019 Ofsted Framework

Who will benefit from attending?

Teachers who wish to improve their teaching of GCSE maths and/or the skills of their students.

Please note: This course also ran in the 2018-19 and 2019-20 academic years so teachers who attended these courses should not apply.

Content

Recent changes to the GCSE have given greater prominence to problem solving in secondary education.

Raising Confidence with Problem Solving considers different models for embedding a problem-solving culture in the classroom and provides practical strategies to help students become more resilient problem solvers. Referencing recent GCSE exam questions, we look at how problem solving can be utilised across the curriculum, with the objective of increasing the number of students that choose to study maths post-16.

Other Information

To get the most from our GCSE maths courses, it is suggested that your school/college also attends the other one day courses in the *Raising Confidence* suite. However, it is not necessary for the same teacher to attend all three. *Raising Confidence* has been designed to support different teachers on different days. All courses include pre- and post-course tasks to support teachers in discussing the content of the days, allowing them to share good practice across their departments.

Cost

Raising Confidence with Problem Solving is free to state-funded schools and colleges.

Schools and colleges located within [Priority Areas](#) are eligible to receive a subsidy of £250 to support staff cover and travel costs.

Key Facts

Event ref:	#5899
Audience:	Teachers
Curriculum focus:	11-16 maths
Mathematical focus:	Problem solving
Event format:	Face-to-face Professional Development
Event length:	1 day
Study days:	1
Region:	East Midlands
Venue:	University of Derby, Kedleston Road, Derby, DE22 1GB
Date:	Wed 22nd Jan 2020
Course times:	09:30 - 16:00
Fee:	Free
Priority Area subsidy:	£250

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5899>