

The Further Mathematics Support Programme

Problem Solving at GCSE

A one-day course focusing on the development of problem solving skills at KS4 in the light of the changes to the curriculum

Session Leaders:

Cath Moore, Central Coordinator, FMSP

Tracy Baker, Local Associate, FMSP

Easthampstead Park Community School, Ringmead, Bracknell, RG12 8FS

09:30 to 15:30, Thursday 30th March 2017



Feedback from previous courses:

“Very entertainingly presented, lots to use in class”

“All was very useful”

“The content covered everything that I wanted to understand more”

“Very positive and useful day”

“Very practical approach to help with actual teaching and planning”

“Thank you. The course was very useful and I now clearly feel confident.”

This course is ideal for any teacher of GCSE Maths, especially those working with students likely to be taking AS Maths or Core Maths soon.

Course aims:

- To provide teachers with strategies to address the problem solving assessment objectives and the style of question in the new GCSE course
- To encourage the use of problem solving activities in Key Stage 4 mathematics classrooms
- To introduce and evaluate a range of problem solving materials designed for KS4 students
- To provide teachers with an opportunity to work together on interesting material
- To give teachers time to work on their own understanding of how to tackle a tricky problem

Provisional Programme Content

■ What is a problem?

- What's the difference between a question and a problem?

■ GCSE Problems

- A look at intriguing past paper questions plus material for the new GCSE course.

■ Problems and Post-16 Maths

- More fun, looking at using problems at GCSE to set up a smooth transition to AS Maths and Core Maths.

How will the resources be presented?

The course will be delivered using visual presentation, interactive group work and practical demonstration. Key course materials will be made available to delegates electronically.

Course fee and application

Online Booking Form: <http://tinyurl.com/EPCS-ProblemSolving>

Course Fee: £50 for teachers from schools and colleges that are registered with the FMSP. (Registration is free. To register visit: www.furthermaths.org.uk/register)

Payments: Cheques should be made payable to Little Heath School and addressed to

Dawn Guster, FMSP Administration & Bookings, Finance Office,
Little Heath School, Little Heath Road, Tilehurst, Reading, RG31 5TY

Payment can also be made by BACS transfer. Telephone Dawn Guster (0118 9427337) for details.

Special Offer: PGCE or GTP trainees may attend the course *free of charge* if they are accompanied by at least one paying teacher from the same school/college. Enquire by email to the address below for further details and information on how to access this offer.

For more information about this course or help with specific queries email:

jefftrim@furthermaths.org.uk