



Advanced Mathematics
Support Programme®

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



Problem Solving at Higher Level Wolverhampton

8th April 2019

Overview

Problem solving is important for many reasons

- encourages thinking, flexibility and creativity
- develops cooperative skill
- promotes greater understanding
- develops connections between topic areas

to name but a few.

In this course we develop problem solving skill at a higher level within the context of the overarching themes of the new A level Mathematics.

We will consider different problem solving methods and use a wide range of resources to develop skills but which will also engage and enrich students learning while studying A level Mathematics and Further Mathematics.

The course will be delivered by Christine Watson and Liz Price.

Christine is an AMSP Area Coordinator and a Senior Lecturer at the University of Worcester. She has taught mathematics across the West Midlands and was Secondary Mathematics Advisor for Worcestershire. She has worked with a number of national bodies including the FMSP, NCETM and IMA. She leads professional developments nationally and is an NCETM PD Accredited Lead. She is currently involved in both Initial Teacher Education and the University of Worcester's School Improvement offer.

Liz Price is a former senior lecturer at the University of Wolverhampton before she became involved with the Further Mathematics Support Programme, now the Advanced Mathematics Support Programme. She has been working for these projects, trying to improve the provision of Mathematics and student opportunities in the West Midlands, for more years than she cares to remember.

Aims

- Explore resources and share strategies for effective teaching of A level Mathematics and Further Mathematics
- Consider ways to build student resilience, curiosity, confidence and success
- Include a focus on the overarching themes of the A level specifications of Mathematics

Who will benefit from attending?

A level Mathematics and Further Mathematics teachers, especially those who wish to reconsider their teaching methods.

Content

Problems solving approaches within the context of the overarching themes of the A level specification

- Mathematical argument and proof
- Reasoning and proof
- Problem solving and modelling

Cost

All priority schools and colleges are eligible to receive a subsidy of £150 to support staff cover and travel costs.

Key Facts

Event ref:	#5806
Audience:	Teachers
Curriculum focus:	A level Mathematics, A level Further Mathematics
Mathematical focus:	Problem solving
Event format:	Face-to-face Professional Development
Event length:	1 day
Region:	West Midlands
Venue:	Armstrong Room, University of Wolverhampton Science Park, Coxwell Avenue, Wolverhampton , West Midlands, WV10 9RU
Date:	Mon 8th Apr 2019
Course times:	09:30 - 15:30
Fee:	This event is free
Priority Area subsidy:	£150

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5806>