



Advanced Mathematics
Support Programme®

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



6th Form Problem Solving Conference

Derby

12th December 2018

Overview

A one-day conference for KS5 students and their maths teacher(s) to develop deeper mathematical problem-solving skills.

Aims

- To provide students with an opportunity to begin to increase their depth of mathematical understanding and so gain confidence in attempting more challenging questions and problems.
- To allow students to discuss and try out problem solving strategies, to think about different ways of looking at example problems and how to approach writing solutions.
- Maths teachers are encouraged to attend with their students. They will have the opportunity to work on higher-level problems and learn about potential sources of questions/problems to take back to the classroom.

Who will benefit from attending?

This event is ideal for Year 13 students who are thinking of applying to study mathematics, engineering or related university courses, or for students who just enjoy solving mathematical problems.

The event will also be useful for maths teachers who would like to gain more experience and ideas of how to introduce problem solving within their own classrooms.

Content

Tentative Timetable

9:30am Arrival and registration

10:00am Introduction: The Problem-Solving Mindset

10:30am Mini Masterclass - Enrichment lecture on an area of mathematics outside the curriculum

11:00am Carousel Session 1 - sessions on Writing and Presenting Solutions, Fun Maths Roadshow and Hands-on Problem-Solving (STEP/MAT style questions)

11:55am Break 12:10pm Carousel Session 2

1:00pm Lunch

1:45pm Carousel Session 3

2:30pm Closing Plenary

2:45pm Feedback

3:00pm Close

Cost

This event is free.

Key Facts

Event ref:	#5168
Audience:	Students, Teachers
Curriculum focus:	University admissions tests, A level Mathematics
Mathematical focus:	Problem solving
Event format:	Conference
Event length:	1 day
Region:	East Midlands
Venue:	Derby University, Britannia Mill Campus, Mackworth Road, Derby, DE22 3BL
Date:	Wed 12th Dec 2018
Course times:	09:30 - 15:00
Fee:	Free

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5168>