



Advanced Mathematics  
Support Programme®



# Buckinghamshire Upper Schools Student/Teacher Sixth Form Mathematics Conference

Great Missenden

4th July 2019

## Overview

A one day conference featuring activities to help students develop their problem solving skills.

The workshops provide a variety of activities designed to get students to engage with problem solving.

**A separate group for teachers will use the same workshops for Professional Development, with a focus on how to develop Problem Solving Skills with their students.**

## Aims

- For students and teachers to engage with problem solving
- For students to begin to develop a range of problem solving strategies
- For teachers to develop strategies for developing students' problem solving skills

## Who will benefit from attending?

This conference, **exclusively for Buckinghamshire Upper Schools**, is suitable for all AS and A level students who wish to develop their problem solving skills. **Bring your entire y12 cohort + your A level teachers**

## Content

Each group of students or teachers will attend four workshops on a rotation basis. All workshops have new problems and we have 2 completely new workshops, so there will be no repeats for teachers who attended last year.

### Workshops:

**Getting started with Problem Solving** (Students) OR **Supporting Students** (NEW for Teachers)

**Working in a Group** (NEW problems for the teacher workshops)

**Logic Problems** (NEW)

**A Menagerie of Problems** (NEW problems for the teacher workshops)

## Materials and Equipment

Students and teachers should bring writing materials and calculators.

## Eligibility

All non-selective state schools in Buckinghamshire. Please note that this event is designed for schools with small A level cohorts. If you have more than 12 students in year 12, please still apply, but note that we may need to prioritise smaller schools. In this case we will attempt to arrange a personal school visit to include at least 2 workshops.

**Please note also that this conference is for teachers to attend with their students. We are not able to accept applications from unaccompanied students.**

## Cost

There is no fee for this event, but participating schools are required to send a £100 deposit, payable to *The Mathematical Institute, University of Oxford*, within 3 weeks of their places at the conference being confirmed.

## Key Facts

<b>Event ref:</b>	#5376
<b>Audience:</b>	Students, Teachers
<b>Target year:</b>	Year 12
<b>Curriculum focus:</b>	A level Mathematics
<b>Mathematical focus:</b>	Problem solving
<b>Event format:</b>	Enrichment
<b>Event length:</b>	1 day
<b>Region:</b>	South
<b>Venue:</b>	The Misbourne, Misbourne Drive, Great Missenden, Buckinghamshire, HP16 0BN
<b>Date:</b>	Thu 4th Jul 2019
<b>Course times:</b>	09:30 - 15:30

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5376>