



Advanced Mathematics
Support Programme®



Year 12 Team Problem Solving Contest (... with workshop on Why Problem Solving Really Counts)

London

9th March 2022

Overview

This session will provide motivation and information for students and teachers alike: **a problem solving contest** with rounds like the Senior Team Maths Challenge; **an introduction for students to the problem solving tests used by Universities** to assess students problem solving (eg TMUA, MAT, STEP); **an introduction for teachers** in how they can use the University Admissions test to promote problem solving, and in how to support students who might be sitting these tests.

Schools are invited to bring a Maths teacher and a team of four Year 12s to take part in the problem-solving contest. **Any schools participating must avoid use of the 2021/22 Senior Team Maths Challenge materials, since these will constitute part of the contest materials.**

Participating schools are encouraged to maximise the impact of the contest by running informal Senior Team Maths Challenge 'heats' in school, involving as many of their Yr 12 mathematicians as possible, in order to select the 'team' who come to the event. If you would like advice on how to do this, please contact angus.grogono@amsp.org.uk

Aims

- To motivate students to solve challenging maths problems
- To inform students about the mathematical Admissions tests used by universities
- To inform teachers about the mathematical Admissions tests used by universities
- To inform teacher about how they can support students who may be taking the mathematical Admissions tests used by universities

Who will benefit from attending?

The event is aimed at:

- teachers who wish to know about the different mathematical Admissions tests used by universities, in order to advise students on their choices.
- teachers who wish to support students who are taking mathematical Admissions tests
- students who enjoy problem solving and wish to find out how to use their talents

Frequently Asked Questions

Can year 13 students attend this event?

In order to be fair amongst teams, and to accommodate the relatively late scheduling of this event in the academic year, Yr 13s are not invited. Sorry!

Does a MATHS teacher have to accompany the group from our school?

YES! There will be a session for teachers aimed at how we can best support problem-solving at A-level, and prepare students for University Admissions tests. This will be stimulating and engaging, and is NOT optional!

Key Facts

Event ref:	#9466
Audience:	Students, Teachers
Target year:	Year 12
Curriculum focus:	University admissions tests
Mathematical focus:	Problem solving, Reasoning
Event format:	Enrichment
Event length:	4 hours
Region:	London and South East
Venue:	London Academy of Excellence Tottenham, 780 High Road, N17 0BX
Date:	Wed 9th Mar 2022
Course times:	12:00 - 16:00
Fee:	free

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9466>