



Developing students' Problem Solving skills and raising aspirations by using University Admissions questions.

Yorkshire Coast Teacher Network

2nd December 2021

Overview

University Admissions tests, and the UKMT questions (which have many similarities) are a rich source of problem solving questions, some of which are surprisingly accessible for many students across the Key Stages, and are very useful to challenge students and raise their aspirations.

Aims

- To examine publicly available material to enhance development of students' problem solving skills.
- To Look at how these materials can be used in a variety of ways within the classroom, and as enrichment.
- To discuss how using these resources can help overcome disadvantage and raise students' (especially girls') confidence.

Who will benefit from attending?

This event is aimed at all teachers of maths, from KS3 to KS5. Particularly those who are interested in inspiring students to take maths post 16, or to apply to university, especially those which use the Admissions Tests for any subject.

Content

In this session we look at materials from various University Admissions tests and the UKMT.

We will look at how teachers can make use of these to develop students' problem solving skills and resilience in problem solving. We will look at their use within the syllabus as well as for enrichment.

We will discuss how introducing students to material from University Admissions Tests early, and in an accessible way can raise students' confidence and aspirations.

We will also be looking at how important it is for students to gain familiarity in this type of questions to be able to reach their full potential if they go on to take these tests.

This complements the online event on 24th November <https://amsp.org.uk/events/details/8674>

Materials and Equipment

A pen and an open and enquiring mind!

Some refreshments will be provided.

Other Information

There will also be an opportunity to discuss what other events the AMSP can put on to suit the needs of the local area.

Sally White (Regional Lead for the AMSP) will be leading this session. With a background in Engineering as well as in teaching, Sally has direct experience of supporting students taking a wide range of University Admissions tests, and using these tests within the classroom to support students' problem solving development.

Eligibility

This event is for participants from any school or college. Applicants from state schools and colleges will be given priority.

Key Facts

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| Event ref: | #9148 |
| Audience: | Teachers |
| Curriculum focus: | 11-16 maths, A level Mathematics, Core Maths, University admissions tests |
| Mathematical focus: | Problem solving |
| Event format: | Network meeting |
| Event length: | 1.5 hours |
| Region: | Yorkshire and the Humber |
| Venue: | Scarborough Sixth Form College, Sandybed Lane, Scarborough, East Yorkshire, YO12 5LF |
| Date: | Thu 2nd Dec 2021 |
| Course times: | 16:15 - 17:45 |
| Fee: | nil |

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9148>