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Teaching of Mathematics



## Next Steps for Your A level Students

### Imperial College, London

31st March 2022

#### Overview

This one-day course supports teachers in understanding how best to assist their students with the transition to undergraduate study, and how to prepare them for the mathematical expectations of university admissions tests.

What are the mathematical expectations of universities for students starting their courses? Mathematical skills are important for many undergraduate degree schemes. This course will explain what indications of mathematical ability universities are looking for when they receive a UCAS application. It will also give up-to-date information about admissions tests. The number of entry exams required by universities has risen in the past few years. Some are compulsory, while some simply reduce entrance requirements. There are 11 admissions tests that have mathematical content and these are for a variety of subjects. This course will explain what support students will need in school and where else they can access support to ensure that they gain the knowledge and cultural capital they need to succeed.

#### Aims

- To provide clear information about university expectations for mathematical understanding in a variety of undergraduate degrees
- To provide information about the range of university admissions tests that contain mathematics
- To provide ideas to widen students experience of mathematics
- To provide activities that can be integrated into maths lessons to help students understand the transition to university mathematics

#### Who will benefit from attending?

The course is for maths teachers who wish to gain clear information about the mathematical expectations of a variety of degree schemes and how students can be supported in making a successful transition to higher education. It will also offer an opportunity for delegates to look at pre-university examinations such as STEP, MAT and TMUA, and discuss how schools can help students to prepare for them.

## Content

### University Admissions

- This session will give delegates information relating to the university admissions process

### Mathematics at University

- In this session, delegates will see which type of degree courses benefit from students having studied level 3 maths, why maths is useful for these degree schemes and how you can prepare your students to make a successful transition to university

### Wider Mathematical Development

- In this session, delegates will explore some mathematical extracurricular and enrichment activities that are available to engage your students in maths activities beyond the classroom

### Mathematics for University Admissions Tests

- This session provides an opportunity for delegates to look at pre-university tests such as STEP, MAT and TMUA, and how schools can help their students to prepare for them

### Next Steps

- This session will give delegates a chance to reflect on the day and plan their next steps

## Eligibility

This course is for delegates from state-funded schools, colleges and academies. Teachers from independent schools may apply, but places will only be granted if there is availability.

## Cost

The course is free. A subsidy of £200 is available to support teachers from state-funded schools and colleges in attending this course. If you're a state-funded teacher in a [Priority Area](#), you are eligible for a £250 subsidy.

Subsidies are granted on confirmation by the course leader that a teacher has attended the course, and is subject to the school providing the financial information required for the AMSP to make the payment.

## Key Facts

<b>Event ref:</b>	#9524
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	University admissions tests, A level Mathematics, A level Further Mathematics
<b>Mathematical focus:</b>	Pure, Problem solving, Leadership
<b>Event format:</b>	Face-to-face Professional Development
<b>Event length:</b>	1 day
<b>Region:</b>	South
<b>Date:</b>	Thu 31st Mar 2022
<b>Course times:</b>	10:00 - 16:15
<b>Fee:</b>	Free
<b>State-sector subsidy:</b>	£200
<b>Priority Area subsidy:</b>	£250

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/9524>