



Advanced Mathematics
Support Programme®

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



An Introduction to STEP Mathematics

Tonbridge

26th September 2019

Overview

A one-day course focusing on the development of a problem-solving mindset and strategies for preparing students for STEP examinations.

Aims

- To establish the progression from A-level to STEP mathematics
- To identify techniques and strategies needed for success in STEP examinations
- To provide teachers with a roadmap to STEP support

Content

Topics will include exploring the difference between A-level Maths/Further Maths and STEP, necessary (but not sufficient) framework for STEP support, proofs and curve sketching

PROGRAMME FOR THE DAY

09:30-10:00: Registration and refreshments

10:00-11:00: Session 1 – Introduction and A-level vs. STEP

The aim of this session is to present an introduction to the STEP papers and establish the progression from A-level to STEP 3, highlighting the differences between A-level and STEP skills.

11:00-11:15: Break

11:15-12:45: Session 2 – Curve Sketching

Curve sketching is a common issue with STEP candidates, often highlighted in the examiner's report. This session aims to cover the techniques needed in the STEP papers. There will be time for teachers to attempt some past paper questions.

12:45-13:30: Lunch

13:30-15:15: Session 3 – Proofs and lessons from the Examiners' report

Examiners' reports are invaluable documents that shed light on the common weaknesses of STEP candidates. They should therefore inform the support we offer. This session addresses strategic skills that are often neglected in STEP preparation but that can make or break a candidate. We will focus on questions on proof to investigate the issue.

15:15-15:30: Break

15:30-16:00: Session 4 – Supporting your students with STEP preparation

The closing session is a roadmap to resources and suggestions on how to support your students in their preparation for the STEP papers

Other Information

Course Leader : Luciano Rila works in the Department of Mathematics at UCL and is an Area Coordinator for the Advanced Maths Support Programme. He has been running STEP courses for a number of years and also offers preparation for the Oxford MAT

Cost

This course is provided free of charge to teachers in state-funded schools.

Schools and colleges located within [Priority Areas](#) are eligible to receive a subsidy of £250 to support staff cover and travel costs. For more information, visit our [subsidies](#) page.

Key Facts

Event ref:	#6160
Audience:	Teachers
Curriculum focus:	University admissions tests
Event format:	Face-to-face Professional Development
Event length:	1 day
Region:	London and South East
Venue:	Weald of Kent Grammar School, Tudeley lane, Tonbridge, Kent, TN9 2JP
Date:	Thu 26th Sep 2019
Course times:	10:00 - 16:00

Registration

For more information, or to register for this event, please visit <https://dev.amspace.org.uk/events/details/6160>