

## The Further Mathematics Support Programme

# Support for Higher Level Problem Solving including STEP

**A one day course focusing on the development of problem-solving skills at Key Stage 5 and strategies for preparing students for the STEP and AEA\* examinations.**

**Hosted at University of Hertfordshire, Bayfordbury Campus, SG13 8LD  
Monday 19<sup>th</sup> June, 09:30 – 15:30**



This course will be of interest to any teachers who are interested in developing their deeper mathematical problem-solving skills.

The focus for this will be the Sixth Term Examination Paper (STEP) with some reference to Advanced Extension Award\* (AEA) mathematics examinations but the course will include materials suitable for use in general classes.

\* AEA is likely to continue in its current or in an adapted form after August 2017.

## Course Outline

### Aims:

- To give information about the STEP and AEA examinations themselves.
- To provide teachers with an opportunity to think about, discuss and hear others' experiences of supporting students to develop their problem-solving skills.
- To give teachers time to work on problems themselves in order to gain insight into the challenges of supporting students to develop these skills.
- To introduce teachers to useful resources to use with students and advice on how to set up problem-solving support in their own school/college.
- To provide information about organisations that support students in preparing for STEP and AEA examinations.

### Timetable:

09:30	Registration and refreshments
10:00	Information about STEP and AEA mathematics examinations.
10:30	The problem solving mindset
11:00	Refreshments
11.15	Hands on with A level and AEA problems
12.15	Lunch
13:00	Getting students started – initial problems
13.30	Hands on with STEP problems
15:00	Setting up STEP/AEA support
15.30	End

### Course Leaders

#### Val Pritchard and Kristin Coldwell

Further Maths Support Programme Area coordinators for the East Region

**Venue: Regional Science Learning Centre, Bayfordbury Observatory, Bayfordbury, Hertford, SG13 8LD**

<http://www.herts.ac.uk/bayfordbury/bayfordbury-observatory/visit-bayfordbury-observatory/where-to-find-bayfordbury-observatory>

Travel by public transport would probably require a taxi from Hatfield or Hertford North railway stations.

**Course Fee: £50** for teachers from state-funded schools and colleges that are registered with the FMSP. (Registration is free. To register visit: <http://www.furthermaths.org.uk/register>)

Special arrangements for other schools may be possible. Please contact Val Pritchard by email using the address at the bottom of this flyer.

PGCE or Learn Direct trainees may attend the course free of charge if they are accompanied by at least one paying teacher from the same school/college. There are also five free places available on request for schools with special circumstances (eg schools with less experience in supporting students who are preparing for STEP or AEA).

To book a place, please use the booking form: <https://goo.gl/forms/9BtMdRPt25upEPSc2>

For more information please contact: [valpritchard@furthermaths.org.uk](mailto:valpritchard@furthermaths.org.uk)