



## Sixth Form Student and Teacher Problem-Solving Conference

A one-day conference for sixth form students and their teachers about developing deeper mathematical problem-solving skills

## The Further Mathematics Support Programme

### Programme overview

- Opening plenary about problem-solving
- Problems from the Senior Team Mathematics Challenge and Liverpool Fun Maths Roadshow
- Writing and presenting solutions to problems
- Enrichment masterclass
- Looking at problems from STEP, AEA and MAT

### Course leaders

The conference will be led by

- Dr. Chris Saker, lecturer at the University of Essex and Central Coordinator for the Further Mathematics Programme.
- Kristin Coldwell, teacher and Area Coordinator for the Further Mathematics Support Programme in Cambridgeshire, Bedfordshire and Norfolk.
- Dr. Martin Griffiths, author, lecturer at the University of Essex and Area Coordinator for the Further Mathematics Support Programme in Essex and Suffolk.
- Val Pritchard, teacher and Area Coordinator for the Further Mathematics Support in Hertfordshire.
- There will also be contributions from the Underground Mathematics team.

**Monday 5<sup>th</sup> December 2016**

**9:30am - 3:30pm**

**Centre for Mathematical Sciences,  
University of Cambridge CB3 0WA**

### Conference aims and description

This conference will be of interest to sixth form students and their teachers who are looking to explore mathematical problem-solving more deeply. It is open to any student and it will be particularly relevant to students going on to sit STEP, AEA or MAT examinations. Teachers can attend with up to five students and will have the opportunity to work on problems with their students and attend separate CPD sessions for problem-solving. The aims of the day are to

- Allow students to attempt problems both in groups and on their own
- Allow students to look at questions from the Senior Team Mathematics Challenge and the Liverpool Fun Maths Roadshow
- Get students thinking about writing and presenting their solutions to problems
- Give students a chance to explore an area of maths not in the standard curriculum
- Give students the chance to look at questions from STEP, AEA and MAT examinations

### Course fees

Up to five year 12/13 students can attend free of charge from each school. Teachers accompanying their students also attend for free.

To book a place on this course use the online booking form: <http://bit.ly/2dp0GPq>

or for further enquires contact  
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