



Year 12 Problem Solving Day



A free event for students and teachers

- Date:** Tuesday 22nd November 2016
- Time:** 10:00am to 3:30pm (first session starts at 10:30am, lunch provided)
- Venue:** County South Private Dining Room
County South
University of Lancaster
LA1 4YD
- The PDR is in building number 18 on the campus map:
<http://www.lancaster.ac.uk/contact-and-getting-here/maps-and-travel/maps/>
- Presenters:** Mike Baxter, Sam Dean, James Groves and Bob Summers
- Aims:** The day will:
- introduce Year 12 students to problem-solving skills;
 - give students the opportunity to try out a range of problems;
 - develop teachers' abilities to help their students with "tricky" problems;
 - provide suggestions for suitable teaching resources.
- Suitability:** This event is ideal for Year 12 students who enjoy mathematics and are thinking of further work or study in a subject that values an analytic approach to problem solving, such as mathematics, physics, chemistry, engineering, computer science, philosophy, economics, finance or operational research. Teachers of mathematics should also find this day helpful.
- Draft programme:** Parts of the course will be for students and teachers working together; at other times, students and teachers will have separate sessions. The day will include:
- A session for all on competition questions, and how they can be used to stimulate and nurture advanced problem-solving techniques;
 - A "stand-up maths" session for students;
 - A session for teachers on the role of problem-solving in advanced mathematics;
 - A session for all on different approaches to solving difficult mathematical problems.
- Cost:** The event is **FREE** to all students and teachers, but there will be a maximum of **EIGHT** students from each school or college.

To book a place on this course, please complete the online booking form at: <https://goo.gl/forms/tM5siVbZaM2w4Pym2>

If your server blocks shortened URLs, try the long version:

https://docs.google.com/forms/d/e/1FAIpQLSe-IyH7Z7FZwZJQxE1HwNLx_XVo_xaXbP1sIfJdyhGSnNSHng/viewform

For course enquiries, please contact James Groves on: 01524 592378, 07890 565385 or j.groves@lancaster.ac.uk

For more information about the Further Maths Support Programme, please visit: www.furthermaths.org.uk