

Year 12 mathematical modelling day

An event for students and their teachers

Date: Wednesday 11th July 2018

Time: 10:00am to 3:30pm (first session starts at 10:30am, lunch provided)

Venue: County South Private Dining Room
Lancaster University
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, Bob Summers and James Groves

Aims: This is an event designed to encourage enthusiastic Y12 mathematicians to undertake some in-depth study through two mini projects which show different aspects of the applications of mathematics.

In addition, the day will also offer an opportunity for students to learn more about the *Extended Project Qualification (EPQ)* and the support that universities can give here.

The day is intended for students *and* accompanying teachers; we think teachers will find much of interest and use in the content of the day. Students can attend without a teacher, although we encourage teachers to accompany their students.

Suitability: This event is ideal for Year 12 students who are thinking of applying to study mathematics, physics, engineering, computer science, economics, finance, operational research or related university courses. Teachers with students who are considering such courses will find this course helpful.

The particular focus of this event is *mathematical modelling*, a theory which underpins not just the whole of mechanics, physics and engineering, but also computer science, economics, finance and operational research.

The style will be similar to the Year 12 problem-solving events put on by the FMSP in November and March, but there's no overlap in content, and those who enjoy those problem-solving days should find this day enjoyable. Those thinking of undertaking an EPQ should find the day especially rewarding, but everyone should have a stimulating time.

Cost: The event is FREE to all students and teachers.

To book a place on this course, please complete the online booking form: <https://goo.gl/forms/PpXBk1QHwnJ44WcM2>

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

https://docs.google.com/forms/d/e/1FAIpQLSdyFuGgVccjvNQSVYUQAENBjxfX1_fNmwnYTSeMr6_wquz0vw/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