

Practical Mechanics for M1 Students and Teachers

Dates: Monday 20th March 2016

Time: 10:00am to 3:45pm (registration and refreshments 9.45am)

Venue: University of Liverpool (or school in Liverpool, to be confirmed)

Presenters:

Martin Bamber	FMSP NW Area Co-ordinator, University of Liverpool
Abigail Bown	FMSP NW Area Co-ordinator, University of Manchester
Tom Button	FMSP Central Team
Sue De Pomerai	FMSP Central Team

Aims:

- To give students an opportunity to collaborate on practical activities to enhance their study of basic mechanics topics such as kinematics, forces and Newton's Laws,
- To give teachers the opportunity to work with students in order to explore ways to introduce practical activities into their teaching,
- To provide enrichment and discussion opportunities for both students and teachers,
- To disseminate suitable resources for development and use in the classroom.

Suitability: Students need to have studied some basic mechanics, including kinematics at M1 level, and be familiar with forces and Newton's Laws. The event is suitable for Y12 and Y13 students who are studying Mechanics 1, and for all teachers of Mechanics 1.

Draft programme:

- 09.45 to 10.00: Registration and refreshments
- 10.00 to 11.10: Practical M1 Activities and Enrichment: Kinematics
- 11.30 to 12.45: Practical M1 Activities and Enrichment: Forces and Newton's Laws
- 12.45 to 13.30: Lunch
- 13.30 to 15.30: ***The Mechanics Workshop***: an opportunity to see how basic mechanics techniques can be used to explore new and exciting situations in the real world and how basic concepts lead on to more sophisticated techniques.
- 15.30 to 15.45: Closing comments and evaluations

Cost: This is a FREE event. Initially, **places are limited to 10 students per school/college**. Any number of teachers may attend, and it is possible for students to attend unaccompanied with school / college permission, although we strongly encourage teachers to attend to work alongside their students.

To book places: Please complete the online booking form below:
https://docs.google.com/forms/d/e/1FAIpQLSd_L3X-K1MMeJdqaJGvCJDJ2RfiHch_kqvm9ISZkMH-AvPaA/viewform

For course enquiries, please contact Martin Bamber on 0151 795 0345 or 07807106696 or m.bamber@liv.ac.uk

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