

The Further Mathematics Support Programme

Upskilling for the 2017 Maths A Level: from M1 to Mechanics

A half day course preparing M1 teachers for the compulsory mechanics content that is new to them.

Hosted at Thetford Academy, Croxton Rd, Thetford IP24 1LH

Tuesday 11th July 2017



This course is for teachers that have taught M1 from one of the current modular specifications but have not covered some additional content that is now required for A level Mathematics.

Course aims:

- To introduce teachers to mechanics topics that are new to them
- To provide teachers with an opportunity to discuss teaching strategies and student misconceptions
- To enable teachers to explore tasks that develop understanding

More information

Delegates will be expected to be familiar with M1 topics that are common to all four modular specifications namely, motion graphs, constant acceleration formulae (suvat), forces (including resolving forces) and Newton's laws.

The course will include the following topics:

- **Projectile motion** *[not in M1 for Edexcel and OCR(A)]*
- **Variable acceleration** *[not in M1 for Edexcel and AQA]*
- **A model for friction** *[not in M1 OCR(MEI)]*
- **Moments** *[not in M1 for AQA, OCR(A) and OCR(MEI)]*

Timetable for the day:

- 09:00 Registration and refreshments
- 09:30 Projectiles and variable acceleration including vectors
 - Generating discussion*
 - Explanations*
 - Technology to support understanding*
 - Strategies for solving problems*
- 11:00 Refreshments
- 11:15 Friction and moments
 - Practical experiments*
 - Modelling assumptions*
 - Algebraic strategies*
 - Misconceptions*
- 12.45 Plenary and feedback
- 13:00 Lunch (shared with delegates for afternoon session on statistics)

Venue: Thetford Academy, Croxton Rd, Thetford IP24 1LH

<https://goo.gl/maps/mvGCQN9AdiG2>

Course fees and application:

Fees for this course are £30 for schools registered with the FMSP. Delegates who also wish to attend the afternoon session "Upskilling for the 2017 Maths A Level: from S1 to Statistics" may attend both for a combined fee of £50.

To apply, please complete the online form at: <http://bit.ly/2qtspkA>

Further information

More details about this course can be found at:

http://furthermaths.org.uk/EE_CPD

For more information email:

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