

The Further Mathematics Support Programme

A Level Active!

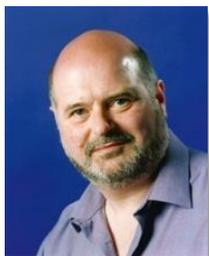
CPD for teachers of A level Mathematics sponsored by the Central Maths Hub
Hosted at the University of Birmingham, Edgbaston Campus, B15 2TT
Thursday 03 December, 2015, 0930 – 1530



This completely interactive hands-on day is designed to share techniques, resources, technology and approaches for engaging *all* students in A level mathematics learning.

Course aims:

- Fostering a positive attitude — how to build the ethos you want
- A web-tour with samples of time-saving and engaging resources
- The engagement bonus — continuous feedback: how to get it and use it
- A detailed examination of at least one of the more challenging topics from Core Mathematics
- Motivating activities for Mechanics, Statistics and Decision Mathematics



Jeff Trim (FMSP Central Team and FMSP Area Coordinator).

Jeff graduated from Exeter University and trained as a secondary teacher in Reading, continuing to live and work in the area, including spending 12 years as Head of Mathematics in a large comprehensive school, subsequently becoming Director of Specialism for Mathematics before moving on to his current role. Jeff has authored resources for A level mathematics, including a teacher file, an interactive CD ROM and an online text book.



Martyn Quigley (University of Birmingham and FMSP Area Coordinator).

Martyn trained as a teacher at the University of Birmingham and taught in Birmingham schools for 12 years including five as Head of Mathematics in a large comprehensive school. He subsequently moved into the university sector teaching mathematics and mathematics education at six universities on three continents. He now teaches part time in the School of Mathematics at the University of Birmingham in addition to his role as an FMSP Area Coordinator.

Timetable for the day

- 0930 **Registration** (Tea/Coffee/Starters to make you think!)
- 0945 **Introduction**
Why are we here? Issues and themes
- 1010 **Mini-whiteboards in the A level classroom**
Getting and using continuous feedback
- 1050 **Break for refreshments**
- 1105 **Topics in Calculus**
A detailed look at teaching approaches for key areas of calculus
- 1225 **Lunch**
- 1310 **Activities for Applications**
Motivating ideas for teaching Mechanics, Statistics and Decision Maths
- 1410 **Break for refreshments**
- 1425 **Web tour**
A quick tour of various useful websites and an opportunity to try out some of the resources
- 1510 **Where next?**
Fostering the ethos, making plans and evaluation
- 1530 **Finish**

Venue: Edgbaston Room, Lucas House, Building G16, University of Birmingham

Directions can be found at:

<http://www.birmingham.ac.uk/contact/directions/edgbaston-directions.aspx>

Detailed instructions on how to find Lucas House will be sent out nearer the day.

Course/event fees and application

Schools may send either one or two teachers. The following charge structure applies.

| School sends | Normal price | Central Hub Subsidy | Total payable |
|--------------|--------------|---------------------|---------------|
| 1 teacher | £50 | £50 | £0 |
| 2 teachers | £100 | £50 | £50 |

To apply, email mathshub@bishopchalloner.bham.sch.uk with your name, contact details, school and position within the school (HOD, KS5 teacher, etc). The Central Maths Hub will cover the full cost for up to 25 places on a first-come first-served basis but if you reserve a place and do not attend your school will be liable to pay the full cost of the course (£50).

Further information

For more information email: martynquigley@furthermaths.org.uk