



London Further Mathematics Newsletter

Number 11
Autumn Term 2013

CPD Days

Teaching FP2 for the 1st time

Thursday 17th October
Kingston University

**Extension and Enrichment
at Key Stage 4**

(Day 1 of two-day course)

Tuesday 22nd October
Birkbeck College

Wednesday 6th November

Tower Hamlets College

Thursday 21st November

Kingston University

An Introduction to STEP

Monday 4th November

Queen Mary, University of
London

Teaching D2 for the first time

Tuesday 19th November
Kingston University

AQA Level 2 Further Maths

Wednesday 4th December
Tower Hamlets College

Oxford Entrance Preparation Course

Saturday 12th October

Saturday 19th October

UCL

Enrichment Events

KS4 Enrichment

Thursday 7th November
UCL

Maths Challenge

There are 5 heats of the
STMC in London in
November; see

<http://www.furthermaths.org.uk/stmchallenge.php> for
dates and venues.

See back page for
our contact details

Support for schools and colleges which are starting Further Mathematics

We are getting used to increased numbers at A level and, yet again, entries for Mathematics and Further Maths were up this year*. However, over 30% of state-funded schools and colleges offering A level Mathematics still do not have any students studying Further Mathematics.

A major focus of our work this year will be to work with these schools and colleges which are looking to introduce Further Mathematics. This will involve providing advice and guidance, CPD, enrichment, maths promotion at KS4 and KS5, as well as tuition in Further Mathematics when required.

If you are thinking of starting up Further Mathematics – or if you would like to increase the number of FM students that you have – please contact your local Area Coordinator (details on back page) for advice.



*Your London team:
Alan, Luciano, Francis
Gill, Jenny, Alison*

More information about the support offered by the Further Mathematics Support Programme can be found inside this newsletter.

* The stats for this year are:

AS level Further Mathematics numbers are up from 20954 to 22 601, an increase of 7.9%.

A level Further Mathematics numbers are up from 13223 to 13 821, an increase of 4.5%.

AS level Mathematics numbers are up from 148550 to 150 787, an increase of 1.5%.

A level Mathematics numbers are up from 85714 to 88 060, an increase of 2.7%.

And, since the project started in 2003:

A level Further Mathematics numbers have increased by 160% (from 5 315)

AS Further Mathematics numbers have increased by 570% (from 3 371).



Professional Development for teachers

The FMSP offers a range of professional development for mathematics teachers including:

Module specific days in London

This year we will be running one-day courses on teaching **FP1, FP2, FP3, D1** and **D2** for the first time, Interesting Ways to teach **Statistics**, Interesting Ways to teach **Mechanics** and An introduction to **STEP Mathematics**.

More information and booking details will be emailed to registered schools. There is a charge of £50 per teacher per day and all delegates receive a data stick of resources.



KS5 Network Day: *here is what happened in July 2013 at UCL*

Teachers from across London met up for the annual KS5 Mathematics Teachers' Network Event at UCL. Around 50 teachers representing 32 schools attended the day sharing activities on topics from algebra to trig, parabolas to partial fractions, Chinese postmen to circles and many others in between! There were workshops on 'trigonometry', 'using NRICH resources' and 'playing with polynomials', and the day ended with John Mason challenging our brains with a session looking at the ways we learn mathematics.

The event which takes place every year is a great opportunity to share ideas from across all the networks that we run in London. We have active networks in Bexley, Greenwich, Hackney and Hillingdon and if you are interested in joining one of these or perhaps starting something in your own area please contact one of us to discuss the possibilities.

The networks offer an opportunity to share ideas, strategies and resources with like-minded innovative teachers in your area.

Just think - We asked every teacher to bring along an activity that worked well in their own teaching - and every teacher went away with nearly 50 activities. How good is that!!

Keep your eyes peeled for details of next year's event. Tickets are hotter than for the 100m sprint at the Olympics....well....almost!

Live Online PD, TAM and TFM

LOPD aims to help teachers improve their mathematics subject knowledge, from AS Core Mathematics to FP modules and applied units.

These online courses are typically offered twice a year, scheduled in Autumn (Oct – Feb) and Spring (Feb – June). They offer between 5 and 10 hours contact time with an experienced tutor and are delivered to small groups of teachers allowing opportunities for interaction and discussion.

Course sessions are scheduled after the school day and are recorded to enable participating teachers to revisit the content at a later date.

For further details and booking information for our **LOPD** courses see:

www.furthermaths.org.uk/teacher_area/rpd.php

Teaching Further Mathematics (TFM) is an extended course starting in July and running for 14 months.

Applications for the next cohort open in February 2014. TFM has the option of Masters accreditation.

http://www.furthermaths.org.uk/teacher_area/tfm.php

Teaching Advanced Mathematics (TAM) is a year-long course, with the option of Masters accreditation, for teachers wanting to develop their teaching skills at A level. Applications for TAM open in spring 2014.

http://mei.org.uk/files/pdf/TAM_2012-13.pdf

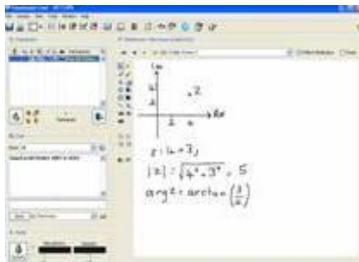


Support for students

*Do you have students who wish to take AS Further Maths in year 13 but who cannot access lessons?
Do you have a small number of A2 Further Maths students, who do not have timetabled lessons?
Do you have a student who wants to study M3 but the rest of the group are studying S2?*

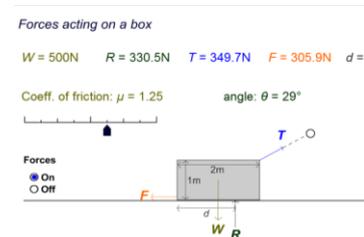
Each year we tutor many students who, for a variety of reasons, are unable to access tuition in their own school or college. We offer two options:

- Live Online Tuition, for students who are learning the entire module through us
- Live Interactive Lectures, for students who have some teacher support or are self-studying.



Both of these options are taught using our Elluminate online classroom and all students have access to the Integral resources. The cost per student is:

£248 per module for LOT
£50 per module for LIL



Live Online Tuition for Further Maths students

LOT groups are kept small so that there can be plenty of interaction during the real-time lesson, with students communicating with their tutor via a headset and graphics tablet.

Further information can be found at <http://www.furthermaths.org.uk/online.php>.

Live Interactive Lectures for Further Maths students

Our online lectures for Further Mathematics students will commence in October. These are designed to supplement students' independent study and/or teaching and include:

- Up to thirty hours of live online support which includes dedicated lectures and revision time
- Access to the Integral extensive and acclaimed online resources. These have specific sections tailored to support self-study and include additional notes, exercises, interactive resources, multiple choice tests, exam-style questions and worked solutions.
- A moderated forum specifically for course participants.

Modules available for 2013-14 include: FP1, FP2, M1, M2, D1, D2 and S2 for Edexcel/MEI/AQA/OCR
FP3 and M3 for Edexcel only

Further information and application details can be found at <http://www.furthermaths.org.uk/lilfm.php>.

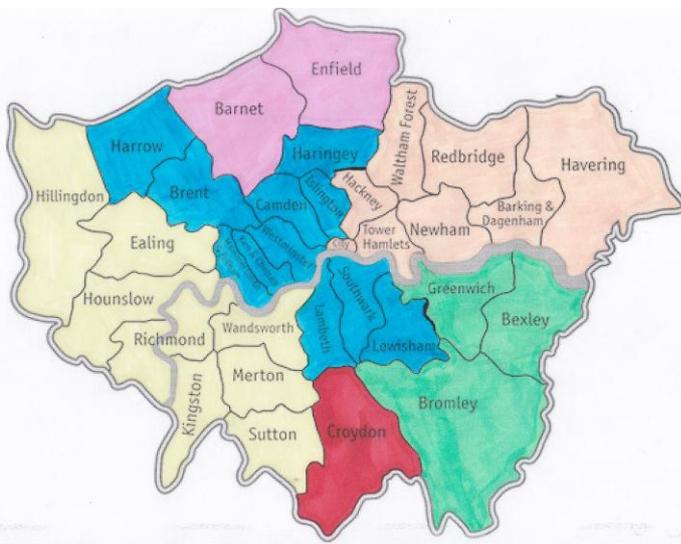


The London Further Maths Support Programme Team – contact us

All schools and colleges registered with us will continue to receive this newsletter and will be invited to events. If you are not registered then please register online at www.furthermaths.org.uk/register.php – it only takes a couple of minutes (we promise!!!) and it will not only put you on our mailing list but registering will also give you free access to materials for Applied and Further Pure modules, as well as Additional Maths and AQA Level 2 Further Maths resources at <http://integralmaths.org/>.

Contact details for the London team

There are six FMSP Area Coordinators working in London. If you have any questions about A Level Mathematics or Further Mathematics, please contact the Area Coordinator responsible for your borough:



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