



London Further Mathematics Newsletter

**Number 2
Autumn Term 2009**

KS5 Network meetings

There are now three KS 5 networks run in London by the FM team – please see the back page for further details of where and when the meetings are – please come along everyone is welcome

Revision Days

M1 – all boards

Saturday 19th December 2009
9:30am – 3:30pm UCL

D1 – all boards

Monday 21st December 2009
9:30am – 3:30pm Imperial

FP1 – all boards except AQA

Saturday 9th January 2010
9:30am-3:30pm QMUL

C3-Edexcel

6th and 13th January 2010
2-5pm UCL

For summer revision dates see back page. For details of these events and application form contact

londonevents@furthermaths.org.uk

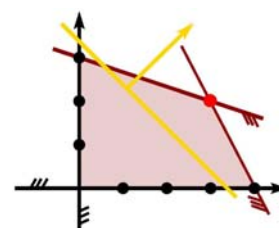
Study Day FP2/FP3

There will be a study day on Hyperbolic and Inverse Trigonometric Functions at Imperial University. Friday 19th February 2010
9:30am – 3:30pm
christinebrown@furthermaths.org.uk
for further details

Further Mathematics Support Programme – CPD.

In London we offer a blended approach to CPD including one day courses, KS5 networks and remote programmes.

One day courses: We held a one day course on Decision 2 at Kingston University which was well received with teachers working on the content of D2. Participants felt that the course made them much more confident with the subject material and gave them some useful ideas for teaching and learning.



We have four other courses scheduled:

Teaching and learning in FP1: 24th February 2010 Kingston University and 2nd July 2010 QMUL. This course will concentrate on ways to make FP1 engaging and interesting for students in the classroom. It will be particularly useful for those teachers who are teaching FP1 for the first time. Contact Jenny Davey jennydavey@furthermaths.org.uk for further details and application form

Mind the Gap KS4 to KS5: 12th February 2010 at QMUL. This course looks at the gap between GCSE and AS and how we can prepare students better at both KS4 and KS5 to ensure a smooth transition and to prevent losing students early on in KS5. It is a practical activity based day. Contact Pat Morton patmorton@furthermaths.org.uk for further details and application form.

S1 – Exciting Statistics: Monday 5th July venue either QMUL or UCL. This day is a practical activity based day focussed on engaging students who are working on S1. It is packed full of ideas and resources to make S1 come alive for students. Contact : patmorton@furthermaths.org.uk

KS5 Networks: There are three KS5 networks up and running in London where teachers meet regularly to work together and share ideas on teaching and learning at KS5 – see back page for dates and details.

Remote tuition: If you want to do CPD but can't be released from school then remote CPD could be the answer. The programme runs a full set of CPD courses via Elluminate – see www.furthermaths.org.uk for details.

The courses we run are often based on what teachers request, so if you would like a course run on a particular module or topic e.g use of ICT at KS5, then get in touch with one of us and we will try to run a course for you and others with similar needs. This is how the D2 course was set up.



Focus on Decision Mathematics:

It is not always as easy to find resources for teaching Decision Mathematics as other modules so here are some of the resources that have worked well for us:

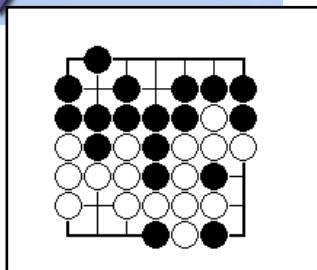
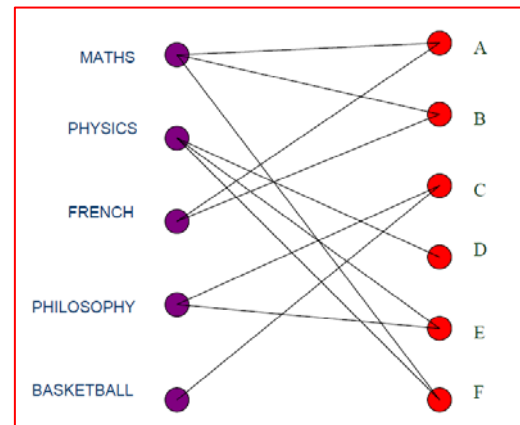
The Operational Research Society:

Operational research is another name for the field of mathematics which covers decision mathematics. The Operational Research Society www.orsociety.com has produced some really good classroom resources for teachers. The materials, powerpoints, worksheets and examples cover all of D1 and some of D2. There is also a very good video for classroom use which shows some of the ways in which decision mathematics impacts on our everyday world.



The website run by the OR Society for education is Learn About OR' www.learnaboutor.co.uk . It is an excellent site and easy to use. From there you can download or find out about:

- The History of OR
- The applications of decision maths – there is a very good section called 'What can OR do for you?' – it covers the use of every piece of decision mathematics with some really interesting case studies
- In the 16+ section you can download the classroom materials and the video mentioned above
- There is also a good careers section which encourages students to think about what they can do with Decision Mathematics



NRICH:

The Nrich site is run by the Cambridge Millennium Mathematics Project and it provides an invaluable source of resources, ideas and materials for teachers. The resources relevant to decision can be found at http://nrich.maths.org/public/leg.php?group_id=26

It takes some work to sort through the resources on this page but there are some really good ideas and resources there. One of our favourites is the article on Game Theory (D2) – not only does it give you invaluable information about game theory but there are also some online games which you can play with your students to give them a real flavour of what game theory is about.

The materials on this web site are particularly good source of puzzles and challenges which can be tackled using decision mathematics and they really help to lift the way in which the modules can be taught and how students view this field of mathematics.



KS5 Networks:

If you are interested in working with other teachers on teaching and learning at KS5 then please come along, everyone is welcome:

London East: Thursday 28th January 2010 4:15pm – 5:45pm Tower Hamlets PDC, English Street. Focus: Planning at KS5 and how to deal with time pressures in the curriculum. Contact : patmorton@furthermaths.org.uk

London West: Tuesday February 2nd or 9th 2010, Uxbridge College, 4:30pm – 6:00pm. Focus: Integration & Revision techniques. Contact : christinebrown@furthermaths.org.uk

London North: Thursday 4th February 2010, 4:30pm-6:00pm. Bentley Wood School, Stanmore. First meeting of the NEW network so please come along all are welcome. Contact : christinebrown@furthermaths.org.uk

Revision days for summer sitting:

D1 & D2: Friday 16th April, 9:30am to 3:30pm. Kingston University

FP1: Saturday 8th May 2010, 9:30am to 3:30pm. Queen Mary, University of London.

M1 & M2: Saturday 15th May, 9:30am to 3:30pm, Imperial University

FP2: Thursday 3rd June, 9:30am to 3:30pm, UCL

FP3: Friday 4th June, 9:30am to 3:30pm, UCL

For the events above contact londonevents@furthermaths.org.uk for details and application forms.

STEP: To be announced. Contact Pat Morton patmorton@furthermaths.org.uk

GCSE: Aiming for the A*. 10am to 12am. Saturday: May 15th, May 22nd, May 29th, June 5th. UCL contact Luciano Rila lucianorila@furthermaths.org.uk Note: The course consists of four two hour sessions.

Want more information?

All schools and colleges registered with the London centre will continue to receive this newsletter and will automatically be invited to events and revision days. If you are not registered the please register online at www.furthermaths.org.uk , just go to the London page – it 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 the resource bank of materials for GCE Mathematics.

For further information on anything in this newsletter or for help with Further Mathematics please contact one of us. The map on the website will show which coordinator covers each London Borough.

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