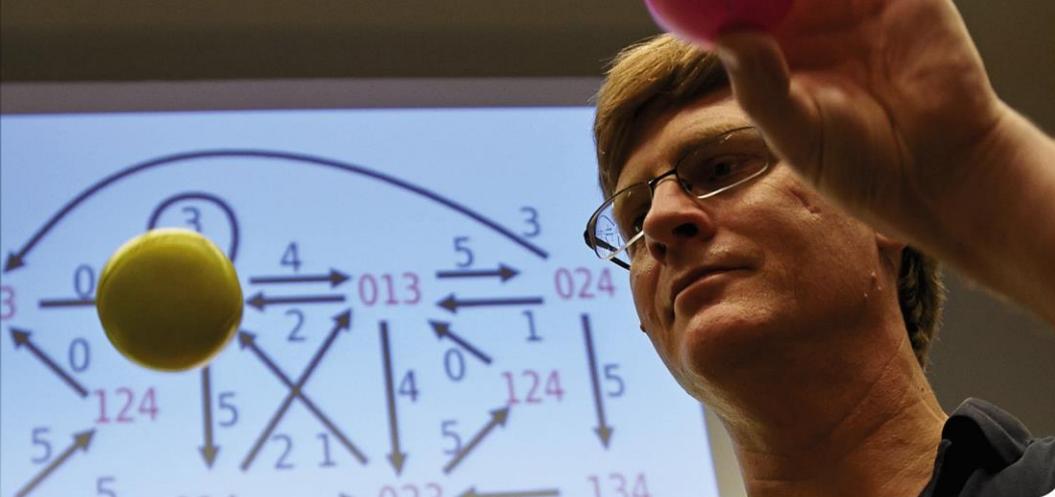


Spring 2014

London
NEWSLETTER



The National Picture

The Department for Education is to provide Mathematics in Education and Industry with substantially enhanced funding for a further three years to continue and extend the work of the Further Mathematics Support Programme, working with the National Centre for Excellence in Teaching Mathematics and the Institute of Education.

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The FMSP will expand its work to improve access to Further Mathematics tuition, and to increase the numbers of students in England studying advanced mathematics post-16. The FMSP will continue to have a strong emphasis on teachers' professional development, to help meet the increasing demand from students to study Mathematics beyond GCSE level.

UKMT/FMSP Senior Team Mathematics Challenge Final

On February 4th at the Camden Centre, London, 59 teams competed in the 2013/14 STMC Final. The teams were all winners from the 55 regional heats involving 1146 schools and colleges.

The overall champions were the team from Hampton School. Alton College were in second place with Rainham Mark Grammar School taking third. The poster competition, on the theme of *Ruled Surfaces*, was won by The Grammar School at Leeds. The competition was again sponsored by Rolls-Royce plc. Dr Peter Neumann presented the prizes and congratulated all the participants on their achievements.

FMSP Wales

FMSP Wales has secured continued funding for the project from the Welsh Government for 2014-15 and 2015-16. For further information see the FMSP news announcement at: www.furthermaths.org.uk

Extended professional development courses

The FMSP provides a range of professional development courses, such as for STEP/AEA and for Key Stage 4. It also has an extensive programme of online professional development.

For more details on the FMSP CPD provision, please see: www.furthermaths.org.uk/teacher_area/cpd.php

There are also extended courses that are taking applications:

Teaching Further Mathematics

enables participants to study the content of Further Mathematics from a teaching and learning perspective. The course starts in July and applications are now being taken. For more information and an application form please see:

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

Teaching Advanced Mathematics

is designed to give teachers the skills and confidence to teach A level Mathematics effectively, focusing on subject knowledge and pedagogy. The Masters-accredited course fees are £600 but *schools and colleges of participants are entitled to receive £1200 in March 2015*, in recognition of the support they provide to enable one of their teachers to take the course. For more information please see:

www.mei.org.uk/tam

Regional Events and Updates

Key Stage 5 Networks in London

The networks continue to flourish. With the coming changes to A-levels, keeping in touch is now more important than ever. These networks provide a terrific opportunity to work with other A level Mathematics teachers in your area, to share resources and ideas, to pool information and even have a bit of a moan – a problem shared.....etc.

We are in the middle of planning the annual KS5 network event. The date has been set for the 4th July 2014 and this year it will be taking place at Queen Mary University London. The flyer and application form will be on the website soon so keep those eyes peeled!

There are currently networks in Bexley, Greenwich, Hackney, Haringey and Enfield, Hillingdon and there is a brand new network starting this term in Tower Hamlets. For more information contact your Area Coordinator.

Casio Electronics continue to support our work in London

Free Calculators

Recently, Oxford Brookes University kindly donated some Casio FX85MS scientific calculators to us via Casio. These have been passed on to some worthy schools but there are still a few class sets left so please get in touch with one of us if you would like a set for your school.

Graphics calculator loan sets

Casio have donated three class sets of the top of the range Casio fx-CG20's to us to loan out to schools. This is a fantastic opportunity to try them out at no cost and explore ways that they can be used to enhance the learning process. There are also some materials that have been written with A level students in mind. If you would like to borrow a set for a month or so, please get in touch with Francis on francisbove@furthermaths.org.uk. Casio are also happy to arrange training; again contact Francis for more information.

Upcoming Events

As usual we have plenty of events for teachers coming up between now and July:

Teaching FP2 for the first time
Kingston University, Wednesday 12th March

Interesting Ways to Teach Statistics
Tower Hamlets College, Monday 24th March

An Introduction to STEP Mathematics
Kingston University, Wednesday 2nd April

Teaching D1 for the first time
Kingston University, Wednesday 18th June

Teaching FP1 for the first time
Kingston University, Wednesday 25th June

Teaching FP3 for the first time
University College London, Monday 30th June

An Introduction to STEP Mathematics
University College London, Monday 7th July

Interesting Ways to Teach Mechanics
Tower Hamlets College, Wednesday 9th July



Booking forms are on the London page of www.furthermaths.org.uk and do book early to avoid disappointment! All our CPD days cost £50 per teacher per day and this includes electronic copies of the resources used during the day.

Enrichment for Students

Year 10 Maths Challenge

Over a hundred schools have taken part in the London heats of the national Further Maths Support Programme Year 10 Team Competition, working as teams to solve a variety of recreational and traditional maths problems - ranging from estimating the mass of a tennis ball, to Sudoku-like puzzles to complex calculations in base 6 mathematics.

The grand London final will be held on 7th May. It has been a real privilege to watch some of our very best young mathematicians working together so productively and achieving success during the heats.

Congratulations to all who have taken part, and we look forward to welcoming even more schools next year

Celebrating Women in Mathematics

Year 10 students – male and female – from 32 schools joined us last month for an inspiring day celebrating female mathematicians. We were honoured to be using the famous Faraday theatre at the Royal Institution for this event with exciting insights into how mathematics can be used.

Professor Dame Celia Hoyles opened the day with her motivational words

– and some balloon popping – and then Dr Vera Hazelwood shared her expertise on the very topical subject of natural disasters and how maths is used to predict phenomena such as hurricanes, earthquakes and floods.

After a Q&A with some maths undergraduates, a quiz and lunch, Jenna Pearce from Bentley explained all the different ways that maths is involved in the crafting of a luxury car. Dr Hannah Fry from UCL tied the day up beautifully with an entertaining and enlightening talk on the hidden connections in everyday life.

Thanks to our speakers and also to the Year 10s and their teachers for making it a great day.

On the right are some pictures from the event.

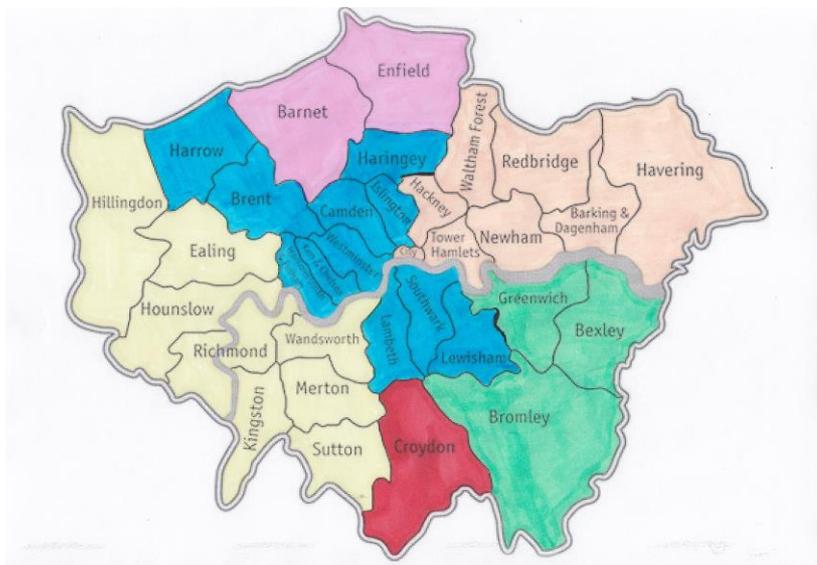


Above: Maths undergraduates from Warwick, Cambridge, Bristol and UCL take questions

Below: @FryRsquared and the maths of Twitter



The FMSP team in London



Each London borough is assigned to an Area Coordinator and our contact details are below.

Do get in touch with us about any aspect of KS5 Mathematics.

We're especially keen to hear from schools that are looking to introduce Further Maths or who would like some help with getting the subject firmly established on the school timetable.

You will find the London page of the FMSP website at:
www.furthermaths.org.uk/?section=regions&page=London

There you can download booking forms for all our events, including training days for teachers and revision days for A Level students.

London Contact Details

Barking and Dagenham, City of London, Hackney, Havering, Newham, Redbridge, Tower Hamlets, Waltham Forest

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