

FURTHER MATHEMATICS SUPPORT PROGRAMME WALES



NEWSLETTER

Spring 2016

Issue 5

Students Celebrate Women in Maths Year 12 Conference

Cardiff and Bangor Universities—January 2016
Swansea University—March 2016



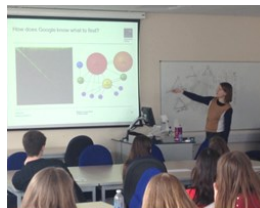
The Further Maths Support Programme Wales held three exciting conferences in spring 2016 entitled 'Celebrating Women in Mathematics'. The events were dedicated to celebrating women who have made significant contributions to Maths, Science and Engineering. The conferences showed both contemporary and historic examples of women who have made great progress in what is sometimes seen as a field dominated by men. The Swansea University event was part of the British Science Week

The FMSP Wales were delighted to welcome Professor Julie Williams CBE, Chief Scientific Advisor for Wales, to the Swansea Conference, who in her talk highlighted what exciting opportunities there are for students with good scientific background. Julie Williams commented "Girls who take A level maths or science can increase their subsequent salaries by a third".

This year as well as an increase in overall numbers attending, FMSP Wales saw an increase of 167% in the number of female participants. The conference in Cardiff attracted 100% female attendees. All the workshops were delivered by female presenters and FMSP were very pleased to welcome 8 new centres to the events. 97% of those attending the Bangor Conference said the sessions encouraged them to study Further Maths AS or A Level. The events were well received by the Students, "Great opportunity to learn more about the importance of maths, and how women are very influential in Maths", "I enjoyed very much. This has left me feeling inspired about women in science".

Professor Hilary Lappin-Scott, Senior Pro-Vice- Chancellor of Swansea University, opened the Swansea Conference and Professor Karen Holford, Pro Vice-Chancellor, College of Physical Sciences and Engineering at Cardiff University opened the Cardiff Conference "One day perhaps, these students will add to the exceptional contributions of Mathematicians such as Hypatia, Agnesi and Lovelace".

To read the full press release please visit: <http://www.furthermaths.org.uk/wales-news>



Tuition

Tuition has gone well and positive test results have been received with students being encouraged to use their Log in details to make full use of all available resources. Tuition requests are already being received for next year, please look at your potential Further Maths Students AS and A Level Students, what provisions are currently available in your school, and if there is any support or assistance you need. For tuition queries please contact Beth Eakins b.eakins@swansea.ac.uk

Continuous Professional Development

Teaching Further Pure 1 with Confidence

7 teachers from across North Wales participated in the course which ran from October 2015—March 2016. 8 of the 9 teachers were Welsh speakers and the tutor ran the course bilingually. The feedback was excellent with 100% of the participants very satisfied with "Delivery of sessions", "Materials/resources" and "Standard of Teaching". There will be demonstrable impact for the schools "Further maths has been introduced this year at AS and will progress to A Level next year. It has been properly timetabled for the first time."



Teaching Advanced Topics in Further Pure Mathematics

15 teachers attended the face-to-face sessions and another 2 received online materials and support. The course covered topics from the FP2 and FP3 syllabus. Participants were pleased with the course and 100% were very satisfied or satisfied with the delivery of sessions, resources and teaching. "I have a better understanding which means my teaching is better" Following the course five schools explained that there would be a direct impact on delivery of Further Maths in their school.

One day workshops

Big Ideas in A Level Maths—held in North Wales—7 teachers participated.

Additional Maths—held in South Wales—24 teachers attended from 8 counties

Case Studies

Transition to University

Anna Clancy

Ysgol Maesydderwen

Cardiff University—BSc Mathematics

"In the first year at University several of the modules I did contained a lot of the content that was covered in Further Maths, so it made those modules much easier than they were for people who had not done Further Maths".

Website News

To read more case studies and to find out about upcoming events, visit : www.furthermaths.org.uk/Wales

UPCOMING EVENTS

For more information about any of these events please visit <http://www.furthermaths.org.uk/wales> or contact the FMSP team c.e.musselwhite@swansea.ac.uk

Telephone 01792 606609

Mathematics is your Future

One-day conference for Year 10 Mathematics students

29th June—Swansea University

5th July—Pembrokeshire College

7th July – University of South Wales

From 9:15am to 14.15pm Places will be allocated on a first-come, first-served basis. To apply email :

C.e.musselwhite@swansea.ac.uk please visit : http://www.furthermaths.org.uk/Wales_enrichment

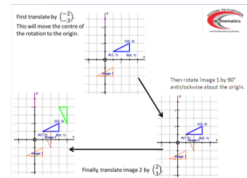


Advanced Mathematics Summer School

One-day workshop for year 11 students from state funded schools

7 July-Bangor University, 9.30—2.30pm

13 July- Swansea University - 9.30 – 2.30pm



Revision days Saturdays – May – June

A Level Maths, Further Maths and Additional Maths held in Swansea, Cardiff, Bangor, and Aberystwyth

Module	Swansea	Cardiff	Bangor	Aberystwyth
M2	14 May 2016	X	28 May 2016	X
M3	X	11 June 2016	X	X
S1	X	14 May 2016	X	X
S2	X	21 May 2016	4 June 2016	X
FP1	11 June 2016	11 June 2016	7 May 2016	18 June 2016
FP2	18 June 2016	18 June 2016	14 May 2016	X
FP3	25 June 2016	X	X	X
Additional Maths	11 June 2016	18 June 2016	28 May 2016	18 June 2016

Revision videos for FP1, FP2, FP3, S1, S2, S3, M1, M2, M3 can be found at

<http://www.furthermaths.org.uk/wjec-revision>

Continuous professional Development for Teachers

Online Course—Stretching Able A Level Maths Students Further: preparation for MAT/AEA/STEP

Course consists of three Online sessions

11th May (5-6.30pm), 18th May (5-6.30pm), 25th May (5-6.30pm)

Full Further Maths face-to-face course—6 one day sessions held over a 6 month period

FP2 and FP3 October 2016 –March 2017, Bangor University

FP1—South Wales (Swansea and Cardiff Universities) —October 2016—March 2017

Places are limited

To book your space for any Continuous Professional Development course, email c.e.musselwhite@swansea.ac.uk

