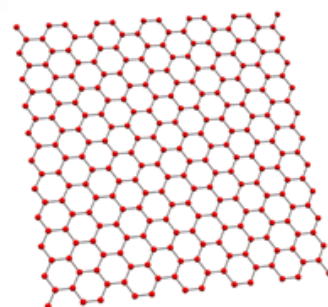


FURTHER MATHEMATICS SUPPORT PROGRAMME WALES



NEWSLETTER

Spring 2017

Issue 7

New Area Coordinators

FMSP Wales is pleased to confirm there are now five new Area Coordinators based in offices across Wales.



Programme Leader

Swansea, Pembrokeshire, Carmarthenshire, and NPT — **Sofya Lyakhova**

The Area Coordinators are:

Powys and Ceredigion — **Stephen Earles and Adrian Wells**

Anglesey, Conwy, Gwynedd, Flintshire, Denbighshire and Wrexham — **Colin Fleming and Tony Thomas**

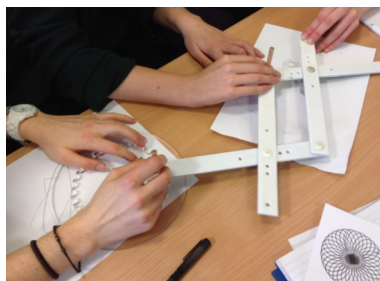
South Central and South East (including Monmouthshire, RCT, Bridgend, Gwent, Cardiff, Newport) - **Chris Green**

For contact details please visit the FMSP website:

<http://furthermaths.org.uk/wales-contact-us>



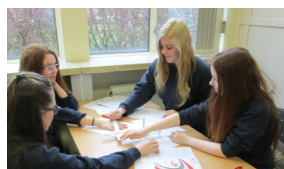
Year 12 Conference
Glyndwr University



North Wales

FMSP Wales held an inaugural conference for Year 12 students at Wrexham University in December 2016. The conference was a great opportunity to meet new teachers and students in the Flint and Wrexham area. 60 students attended from 4 schools, three of these were new to the programme. Nearly half of the attendees were girls.

Workshops included: 'Algometry – Seeing is Believing'; 'Financial Times' and 'Drawing Machines from Scrap'. Nick Sayers gave an interesting talk on Adventures in Mathematical Art and Dr Vitaly Moroz finished the conference with his talk on the mysteries of a recently discovered two dimensional material, Graphene.



Feedback was very positive with 95% of students stating that the content of the day was good or excellent and 97% would recommend this enrichment event to other students.

Professional Development

South Wales—12 teachers are participating in “Teaching FP1 with Confidence”

North Wales—7 teachers are participating in “Teaching Advanced Topics in Further Pure Mathematics”

Transition workshop FP1 to Unit 1 = 18 attended from schools across Wales and the workshop was delivered in Bangor and Swansea Universities

Website News

CASE STUDIES

Student—Transition to HE

Ryan Colclough— Flint High School to Warwick University “I think that Further Maths helped me to get the place. I don't think I've met anyone here that hasn't got Further Maths A Level.”

Leah Clarke—Gowerton School to University

“The tutor came to school every fortnight for an hour and a half. She would go through things then leave us stuff to do alone. This is a lot more like university study. I found that really helpful.”

Teacher—CPD course attendance

Clare Power—Bishop Vaughan Catholic School

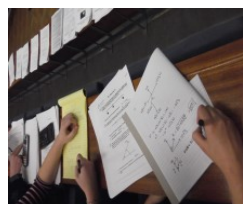
“The course was good for meeting other teachers and certainly got my brain working on the more difficult Further Maths topics”.

EVENTS

For more information about any of these events please visit
<http://www.furthermaths.org.uk/wales>
or contact the FMSP team infoFMSPWales@wimcs.ac.uk
telephone 01792 606845

One-day conference for 6th Form Mathematics students 2nd February 2017—Swansea University

From 8.45am to 14.15pm Places will be allocated on a first-come, first-served basis. To apply please visit http://www.furthermaths.org.uk/Wales_enrichment



Study Days

Saturdays – January – April
A-Level Maths, Further Maths and Additional Maths

being held in Swansea, Pembrokeshire, Cardiff, Aberystwyth, Bangor and Wrexham

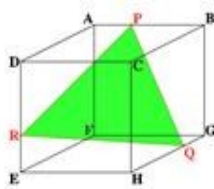
Visit http://furthermaths.org.uk/Wales_enrichment

Unit	Topic	Swansea	Cardiff	Aberystwyth	Bangor	Wrexham	Pembrokeshire
FP1	Matrices and CN Tranf, Loci combined	25/03/2017	01/04/2017	25/03/2017	28/01/2017		25/03/2017
FP1	Differentiation	18/03/2017	25/03/2017	18/03/2017	04/03/2017	04/03/2017	18/03/2017
FP1	Polynomials	01/04/2017	29/04/2017	01/04/2017	04/02/2017		01/04/2017
FP2	Induction and Series				01/04/2017	01/04/2017	
FP2	Trigonometry sets and function	04/03/2017	04/03/2017				
FP2	Complex Numbers and Trigonometry				18/02/2017		
FP2	Complex Numbers and Conic Section	11/02/2017	11/02/2017				
FP2	Integration, Graphs of Rational	29/04/2017	29/04/2017		22/04/2017		
FP3	Hyperbolics and Integration	18/03/2017	25/03/2017		28/01/2017		
S2	Hypothesis Testing	11/03/2017	18/03/2017		10/04/2017		
S3	Populations with unbiased estimators/T Distribution				11/04/2017		
M2	Vectors, Calculus, projectiles, Circular Motion	11/03/2017	18/03/2017		18/03/2017	18/03/2017	
M3	1st and 2nd Order differential equations				12/04/2017		
Additional Maths	Algebra	04/03/2017	04/03/2017	11/03/2017	18/03/2017		
Additional Maths	Geometry, Intergration and Differentiation	01/04/2017	01/04/2017	01/04/2017	29/04/2017		

Professional Development for Teachers

All the courses will give comprehensive coverage of the new specification for A Level Maths and A Level Further Maths. Courses include [Mechanics and Statistics Unit 2](#), [Further Maths 1](#), [Further Maths 3](#) and [Further Maths 6](#). please see website http://furthermaths.org.uk/Wales_CPD for more information or contact c.e.musselwhite@swansea.ac.uk.

All courses are free for teachers from state funded schools and colleges. Funding towards supply cover costs is available for all weekday



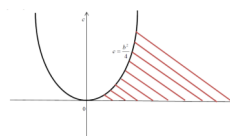
Solving Unusual Maths Problems—Year 12

Based on UKMAT, NRICH and MAT (subject-specific admissions tests for applicants to the University of Oxford's undergraduate degree)

Saturdays in January, February, March and April 2017

Held in Swansea, Bangor, Aberystwyth and Cardiff Universities and Llanwrn School

Sixth Term Examination Paper (STEP) - Year 13



Swansea and Bangor Universities,
Saturdays in February, March and April