

Arloesedd a Chreadigrwydd mewn Addysgu Mathemateg

Cynhadledd undydd i Athrawon Mathemateg

12 Gorffennaf 2019

Prifysgol Fetropolitan Caerdydd

Mae Rhaglen Gymorth Mathemateg Bellach Cymru'n falch o gyhoeddi cynhadledd undydd ar gyfer athrawon Mathemateg yng Nghymru.

Yn y gynhadledd gyntaf i athrawon mathemateg yng Nghymru bydd dwy elfen yn cydblethu i'r gynhadledd: [Mathemateg 16-18](#) a [Mathemateg, Technoleg a Chelf 11-18](#).

Bydd y gynhadledd yn cynnwys sesiynau ar:

- Addysgu, pynciau ac adnoddau Mathemateg a Mathemateg Bellach Safon Uwch
- Modelu
- Y Dull Dosbarth Wyneb i Waered
- Geogebra a meddalwedd delweddu eraill
- Defnyddio technoleg mewn addysgu mathemateg
- Gemau a Hapchwarae
- Celf a Mathemateg

Bwriad yr holl sesiynau yw rhoi syniadau ymarferol, sgiliau ac adnoddau i'w gweithredu yn yr ystafell ddosbarth.

Ni fydd unrhyw gost am y diwrnod a bydd y rhaglen derfynol yn cael ei hanfon allan yn fuan.

Llenwch y ffurflen archebu amgaeedig a'i dychwelyd at:
Caron Flynn: c.l.flynn@abertawe.ac.uk

Mae lleoedd yn gyfyngedig felly peidiwch ag oedi!

Innovation and Creativity in Mathematics Teaching

One-day conference for Mathematics teachers

12th July 2019 – Cardiff Metropolitan University

The Further Mathematics Support Programme Wales is pleased to announce a one-day conference for Mathematics teachers from schools in Wales.

In this inaugural conference for Maths teachers in Wales there will be two intertwined strands: **16-18 Mathematics** and **11-18 Mathematics, Technology and Art**.

The conference includes sessions on:

- A-Level Mathematics and Further Mathematics teaching, topics and resources
- Modelling
- The Flipped Classroom Approach
- Geogebra and other visualisation software
- Utilising technology in mathematics teaching
- Games & Gamification
- Art and Mathematics

All sessions are intended to equip delegates with practical ideas, skills and resources to implement in the classroom.

There will be no cost for the day and the finalised programme will be sent out soon.

Please complete the attached booking form and return to:
Caron Flynn: c.l.flynn@swansea.ac.uk

Places are limited so don't delay!

09:30-10:00	Registration; Welcome; Housekeeping					
10:00-10:30	Keynote: Professor Adrian Oldknow					
10:30-11:30	Session 1	Deepening understanding through number & proof <i>Earles</i>	Developing Flipped Classroom Approaches <i>Weinhandl</i>	Ideas for using GeoGebra and Origami <i>Budinski</i>	Undoing the Made-Up Mind <i>Jones</i>	
11:30-11:40	Coffee					
11:40-12:40	Session 2	Interesting ways to introduce hypothesis testing <i>Hendy, Mackie</i>	Differential Equations across Maths / Further Maths <i>Wells</i>	Silent video tasks – development and implementation <i>Kristinsdottir</i>	Using Geogebra to illustrate and motivate FMU1 concepts <i>Sanders</i>	
12:40-13:30	Lunch					
13:30-14:30	Session 3	Integral Mathematics Resources <i>Phipps</i>	Implementing the Flipped Classroom at A-level – Research and Practice <i>Oakes, et al</i>	Modelling real-life situations with functions and GeoGebra <i>Budinski</i>	Developing digital resources for supporting learning (Welsh) <i>Evans</i>	
14:30-15:30	Session 4	Connections between Pure and Applied Mathematics <i>Fleming</i>	Visualizing Statistics –from intuitions to calculations <i>Andre</i>	Mapping a 2D game to 3D, designing and printing <i>Kristinsdottir</i>	Creating and using GeoGebra Applets for the Classroom <i>Neil Dickson</i>	Further Mathematics via blended learning <i>Lyakhova, Eakin</i>
15:30-15:40	Coffee					
15:40-16:40	Session 5	Review of Maths / Further Maths Exam Papers <i>Wells</i>	Gamification in Education <i>Barbarics</i>	Flipped Videos from Powerpoints <i>Sanders</i>	Flipped Videos from Powerpoints (Welsh) <i>Thomas</i>	Tools for Connected Planning & Learning <i>Oakes</i>
16:40-17:00	Closing address					

Broadly: **A-level** **Geogebra** **STEAM/Tech** **FCA** **Resources**

09:30-10:00	Cofrestru; Croeso; Trefniadau					
10:00-10:30	Prif Gyflwyniad: Yr Athro Adrian Oldknow					
10:30-11:30	Sesiwn 1	Dyfnhau dealltwriaeth trwy rif a phrawf <i>Earles</i>	Datblygu dulliau gweithio Wyneb i Waered yn y dosbarth <i>Weinhandl</i>	Syniadau ar gyfer defnyddio GeoGebra ac Origami <i>Budinski</i>	Dad-wneud y meddwl sydd wedi'i wneud <i>Jones</i>	
11:30-11:40	Coffi					
11:40-12:40	Sesiwn 2	Ffyrdd diddorol o gyflwyno profion damcaniaeth <i>Hendy, Mackie</i>	Hafaliadau Differol ar draws Mathemateg /Mathemateg Bellach <i>Wells</i>	Tasgau fideo tawel - datblygu a gweithredu <i>Kristinsdottir</i>	Defnyddio Geogebra i ddarlunio ac ysgogi cysyniadau MBU1 <i>Sanders</i>	
12:40-13:30	Cinio					
13:30-14:30	Sesiwn 3	Adnoddau Mathemateg Integral <i>Phipps</i>	Gweithredu'r Ystafell Ddosbarth Wyneb i Waered i Safon Uwch - Ymchwil ac Ymarfer <i>Oakes, et al</i>	Modelu sefyllfaoedd bywyd go iawn gyda ffwythiannau a GeoGebra <i>Budinski</i>	Datblygu adnoddau digidol ar gyfer cefnogi dysgu (Cymraeg) <i>Evans</i>	
14:30-15:30	Sesiwn 4	Cysylltiadau rhwng Mathemateg Pur a Chymhwysol Fleming	Delweddu Ystadegau - o reddfau i gyfrifiadau <i>Andre</i>	Mapio gêm 2D i 3D, dylunio ac argraffu <i>Kristinsdottir</i>	Creu a defnyddio GeoGebra Applets ar gyfer yr Ystafell Ddosbarth <i>Neil Dickson</i>	Mathemateg Bellach trwy ddysgu cyfunol <i>Lyakhova, Eakin</i>
15:30-15:40	Coffi					
15:40-16:40	Sesiwn 5	Adolygiad o bapurau arholiad Mathemateg /Mathemateg Bellach <i>Wells</i>	Gemau Cyfrifiadurol mewn Addysg <i>Barbarics</i>	Fideos Wyneb i Waered o Bwyntiau Pŵer <i>Sanders</i>	Fideos Wyneb i Waered o Bwyntiau Pŵer (Cymraeg) <i>Thomas</i>	Offer ar gyfer Cynllunio a Dysgu Cysylltiedig <i>Oakes</i>
16:40-17:00	Sesiwn Glo					

Yn fras: **Safon Uwch** **Geogebra** **STEAM/Tech** **Dull dosbarth Wyneb i Waered** **Adnoddau**

**Cynhadledd Gyntaf FMSP Cymru:
Arloesedd a Chreadigrwydd mewn Addysgu Mathemateg.
12 Gorffennaf 2019, Prifysgol Fetropolitan Caerdydd**

Ffurflen Archebu

Teitl	
Enw Cyntaf	
Cyfenw	
Ysgol / Sefydliad	
Awdurdod Lleol*	
Consortium*	
Ebost	

* Os yw'n berthnasol

**The Inaugural FMSP Wales Conference:
Innovation and Creativity in Mathematics Teaching.
12th July 2019, Cardiff Metropolitan University**

Booking Form

Title	
First name	
Surname	
School/ Institution	
Local Authority*	
Consortium*	
Email	

* If applicable