

Subject to Revision

09:15-09:45	Registration; Welcome; Housekeeping					
09:45-10:30	Keynote: Professor Adrian Oldknow: Inspiring Learners and Teachers through Technology-enhanced STEM Learning Activities (TeSLA)					
10:30-11:30	Session 1	Number and Proof – from concrete to abstract <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	Experimental (and fun) ways to introduce AS Hypothesis Testing <i>Hendy, Mackie</i>	Differential Equations: First order to coupled systems. It could be “Rocket Science”! <i>Wells</i>	Silent video tasks – development and implementation in the mathematics classroom <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>	Visualising Statistics – Formalising processes from intuitions to calculations <i>Andre</i>	Mapping a 2D game to 3D, designing and printing it via GeoGebra <i>Kristinsdottir</i>	Creating and using GeoGebra Applets for the Classroom <i>Neil Dickson</i>	Studying FM through FMSP via a blended learning option: what makes a successful learner? <i>Lyakhova, Eakin</i>
15:30-15:40	Coffee					
15:40-16:40	Session 5	Review of WJEC A level papers 2019 <i>Wells</i>	Possible Uses of Gamification in Teaching Mathematics <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**

Yn amodol ar ddiwygiad

09:15-09:45	Cofrestru; Croeso; Trefniadau					
09:45-10:30	Prif Gyflwyniad: Yr Athro Adrian Oldknow: Annog Dysgwyr ac Athrawon drwy Weithgareddau Dysgu Technoleg STEM (TeSLA)					
10:30-11:30	Sesiwn 1	Rhif a Phrawf - o goncrit i'r haniaethol <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	Dulliau arbrofol (a hwyliog) o gyflwyno Prawf Rhagdybiaeth UG <i>Hendy, Mackie</i>	Hafaliadau Differol: Trefn Un i systemau wedi'u cyplysu. Gallai fod yn "Wyddoniaeth Roced"! <i>Wells</i>	Tasgau fideo tawel - datblygu a gweithredu yn yr ystafell ddosbarth mathemateg <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 <i>Fleming</i>	Delweddu Ystadegau - Ffurfioli prosesau o reddfau i gyfrifiadau <i>Andre</i>	Mapio gêm 2D i 3D, ei ddylunio a'i argraffu trwy GeoGebra <i>Kristinsdottir</i>	Creu a defnyddio GeoGebra Applets ar gyfer yr Ystafell Ddosbarth <i>Neil Dickson</i>	Astudio MB trwy RhGMB trwy ddysgu cyfunol: beth sy'n gwneud dysgwr llwyddiannus? <i>Lyakhova, Eakin</i>
15:30-15:40	Coffi					
15:40-16:40	Sesiwn 5	Adolygiad o bapurau Safon Uwch CBAC 2019 <i>Wells</i>	Defnyddiau Posibl o Gemau Cyfrifiadurol wrth Addysgu Mathemateg <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