



Innovative Approaches to Teacher Education at Edinburgh Napier



Andrew Gallacher

a.gallacher@napier.ac.uk

Presentation

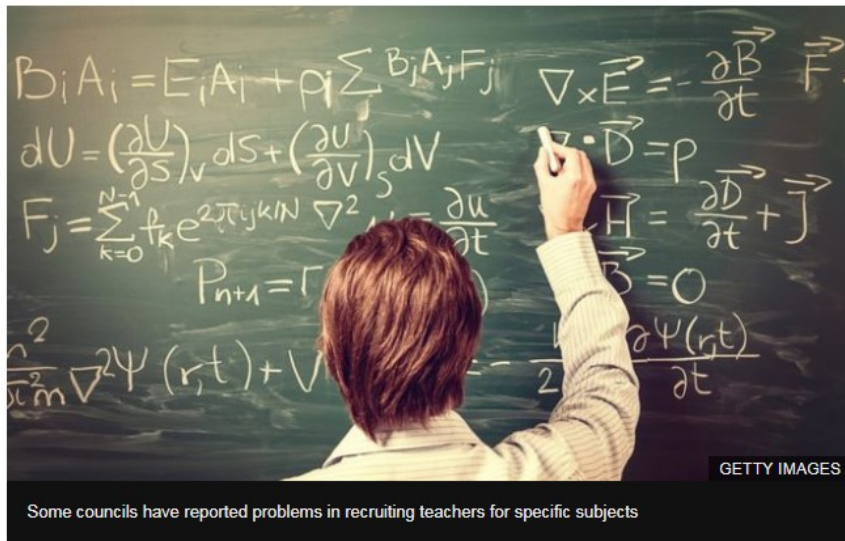
- Background
- Remit and Planning
- Innovative Features
- Structure
- Longer Term Goals

Edinburgh school struggles to find maths teacher

By Jamie McIvor
BBC Scotland education correspondent

© 11 January 2018


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A second school in Edinburgh has failed to recruit a new maths teacher, BBC Scotland can reveal.

Bursaries for studying

If you've been employed for at least three of the last five years AND have a degree in either Maths, Computing, Technical Education, Physics or Chemistry you could be eligible.

Find out more 

700 teachers needed to combat Scotland's teaching recruitment crisis



There are just under 700 vacancies in Scotland

Published: 10:34
Saturday 04 August 2018

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Teacher Education: Year 1 of 3

- Professional Postgraduate Diploma in Education
PGDE Secondary
- Course Starts August 2019 (Year 1)

Biology 15 students

Chemistry 15 students

Mathematics 15 students

Physics 5 students

Target = 50 students

+3 New Lecturers from School



Teacher Education: Years 2&3

- Focused curricular areas

Year 2

Computing Studies = 15 students

English = 15 students

Year 3 ?

Design & Technology = ?

Modern Languages = ?

total = 120 students

PGDE Secondary - constraints

- Entry qualifications
- Government controlled numbers
- General Teaching Council for Scotland Accreditation
- 18 weeks of school placement
- Following Secondary school term times. August - June



PGDE Secondary – Innovative Features

- STEM Ambassadors
- Skills based training (Audit at induction)
- Interdisciplinary approach (including Conference)
- Mixed methods of assessment (Pupil voice)
- Video portfolios

STEM Ambassadors

STEM Ambassadors are volunteers from a wide range of science, technology, engineering and mathematics (STEM) related jobs and disciplines across the UK. They offer their time and enthusiasm to help bring STEM subjects to life and demonstrate the value of them in life and careers.

STEM Ambassadors are an important and exciting free of charge resource for teachers and others engaging with young people inside and out of the classroom.

We have made it simple to get involved. Once you have registered, you can find a STEM Ambassador or get involved in an activity from your dashboard.

[Access your dashboard](#)



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Celebrate Biology Week with BioArtAttack

06TH OCTOBER 2018 10:45



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Press release

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Contacting us

If you have any ideas for stories and features on the site please email feedback@stem.org.uk

BioArtAttack is an opportunity to combine art with biology by creating a piece of artwork to convey a biological concept, recreate a scientific scene or any part of the living world.

Run by the Royal Society of Biology, the **competition** is open to anyone, and can be entered as an individual or group entry, for example, a group of friends, classmates or other biology enthusiasts.

Anything creative is eligible for submission, but video entries will not be accepted. To enter, all you need to do is upload up to 10 pictures of your artwork, either as scanned copies of drawings, paintings and illustrations or photographs of the piece.

When entering, you will need to give a bit of information about your piece, including:

- the title of your piece
- equipment and material used

Interdisciplinary

Engaging NGSS
Project for Exploring
the Science of Food





Video Portfolio

Self Reflection

Teachers record video to review and reflect on their own.

Informal Observations

Teacher driven video observations shared with peers for collective feedback.

Collaboration

Get collective feedback from a group of trusted peers to accelerate learning.

Exemplar Libraries



Week Begins	course no.	ENU	School Experience	Learn & TEACH 1	Learn & TEACH 2	PROFESSIONAL ST	REFLECTIVE ENQ	SERIAL DA
22-Aug	0			2 DAY INDUCTION				
19-Aug	1			1		1		
26-Aug	2			2		2		1
02-Sep	3			3		3		2
09-Sep	4			4		4		3
16-Sep	5			5		5		4
23-Sep	6			6		6		5
30-Sep	7			7				6
07-Oct	8			8 study week?				
14-Oct	9			9				pre SE VISIT
21-Oct	10	1	SCHOOL EXPERIENCE 1					
28-Oct	11	2						
04-Nov	12	3	TUTOR SUPPORT VISIT					
11-Nov	13	4						
18-Nov	14	5						
25-Nov	15	6						
02-Dec	16	7	ASSESSED LESSON					
09-Dec	17	8						
16-Dec	18						1	
23-Dec								
30-Dec								
06-Jan	19						2	8
13-Jan	20						3	9
20-Jan	21						4	10
27-Jan	22						5	11
03-Feb	23						6	12
10-Feb	24						7	pre SE VISIT
17-Feb	25							
24-Feb								
02-Mar								
09-Mar								
16-Mar								
23-Mar								
30-Mar							8	
06-Apr								
13-Apr								
20-Apr			SCHOOL EXPERIENCE 2B					
27-Apr		16						
04-May		17	ASSESSED LESSON					
11-May	35	18						
19-May	36						9	
25-May	37						10	
01-Jun				EXAM BOARDS				
08-Jun								
15-Jun								
22-Jun				GRADUATION				

Course Planner

Professional Graduate Diploma in Education (PGDE)

4 Modules at SCQF Level 11 = **4 x 20 Credits**

Learning & Teaching 1

Learning & Teaching 2

Understanding Learning & Teaching

Professional Enquiry

2 Modules at SCQF Level 10 = **2 x 20 Credits**

School Experience 1

School Experience 2

= **120 Credits in Total**

August 2019 – December 2019

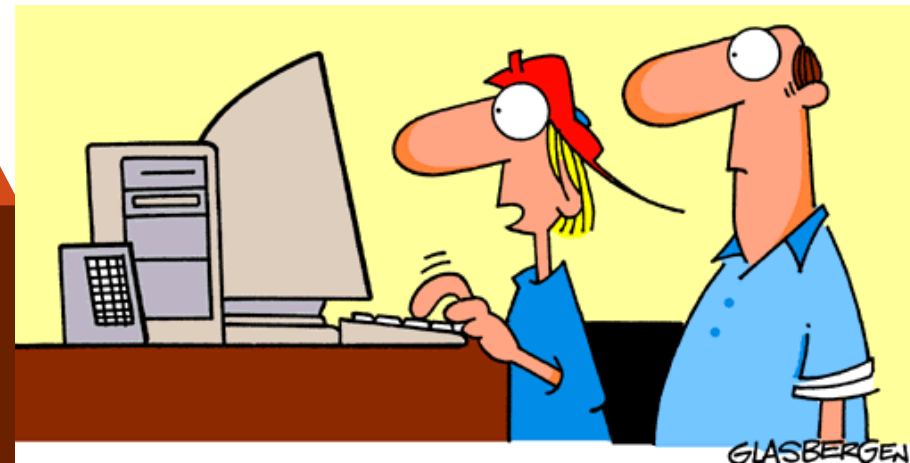
- W.b. 12th August. 2 Day Induction
- 19th August – 18th October : University 3 days per week
Learning & Teaching 1
Understanding Learning & Teaching
Serial School Visits : 1 day per week
- 21st October – 13th December
School Experience Placement 1

January 2020 – March 2020

- 6th January – 14th February: University 3 days per week
Learning & Teaching 2
Professional Enquiry
Serial School Visits : 1 day per week
- 17th February – 27th March
School Experience Placement 2A
- 30th March – 3rd April
University Week

April 2020 – June 2020

- 20th April – 15th May
School Experience Placement 2B
- 18th May – 29th May
University Programme
Practitioner Conference
- w.b. 22nd June = Graduation



GLASBERGEN
"MY TERM PAPER HAS HYPertext LINKS, FULL-SCREEN VIDEO CLIPS, ANIMATED FONTS, AND AWESOME 3D SPECIAL EFFECTS. . . NOW ALL I NEED IS A TOPIC."

PGDE Secondary – Widening Access

- **Working with other ITEs to develop**
 - HNC-HND-Degree – PGDE pathway
- **Fife College / Edinburgh / Borders**
 - Mapping existing HND to PGDE entry requirements
 - Teaching ‘Taster’ courses
 - Supporting English and Maths requirements for entry
 - Flexible mode of delivery e.g. 18 month part-time



PGDE Secondary – Partnerships?

- Local Authorities
 - Edinburgh, Fife, Midlothian, East Lothian, Borders
 - Falkirk, West Lothian, Clackmannanshire
- Royal Society of Edinburgh
- Independent Schools
- Crichton Campus Dumfries
- International Partners?

PGDE Secondary – Longer term

- Progression to full Masters
- Mentoring scheme for teachers in the partnerships
- CPD courses
- New Routes for Scottish Government to upskill existing teachers.
- Centre of Excellence

What questions do you have?

