



Centre for Research in Digital Education & Learning, Teaching, and Web

Near Future Teaching

Distance Learning at Scale (DLAS)

MSc in Digital Education

Centre for Research in Digital

Education

Digital Education with Cara (Syrian

refugee academics)

UKRI GCRF Urban Disaster Risk Hub

Digital Education in Nigeria,

Tanzania, Uganda

Digital Education in Nepal

Digital Education in Lebanon

UN Habitat

The World Bank

GSMA

USAID

DfID

Gates Foundation

British Council

BBC Media Action

GIZ

Mastercard Foundation

MOOCs

Course Design

Emerging technologies

Digital pedagogy

Children and technology

Datafication

Open education

SDGs

Mobilities

ICT₄D





MSc in Digital Education

World-class Masters programme that will challenge your thinking about education and technological change

Delivered fully online

Although this is a distance-learning course, you won't be alone: you will have the opportunity to work closely with your fellow students and tutors in a properly supported, collaborative and vibrant online learning environment.

Critical and practical

The MSc in Digital Education gives professionals in higher and further education and training and development the practical skills and critical insight they need in this fast-moving and richly diverse field.

Research-based teaching

The MSc programme is delivered by experienced teachers who are also active researchers in the field. Our programme is linked to the work of the Centre for Research in Digital Education.





http://bit.ly/ edteacher



Automation

- the technique of making a (teaching) process operate automatically
- valuing an expanded teacher presence
- exploring how human and nonhuman teachers might work together in a teaching 'assemblage'
- Al vs. automation





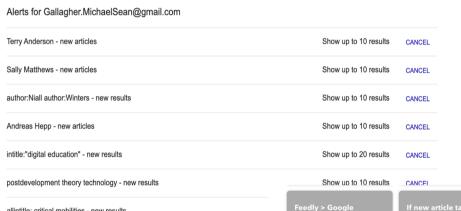
Teacher Function

- "teacher-student-code that might be pedagogically generative" (p. 465).
- teacher function= a combination of 'living teacher presence' working in tandem with 'an assemblage of code, algorithm and teacher-student agency' (p. 461).
- Bayne, S. (2015). Teacherbot: interventions in automated teaching. Teaching in Higher Education, 20(4), 455-467.



≡ Google Scholar







postdevelopment theory technology - new results

allintitle: critical mobilities - new results

James Ash - new articles

Jeremy Knox - new articles

"Larissa Hjorth" - new results

Manuel Gámez Guadix - new articles

If new article tagged
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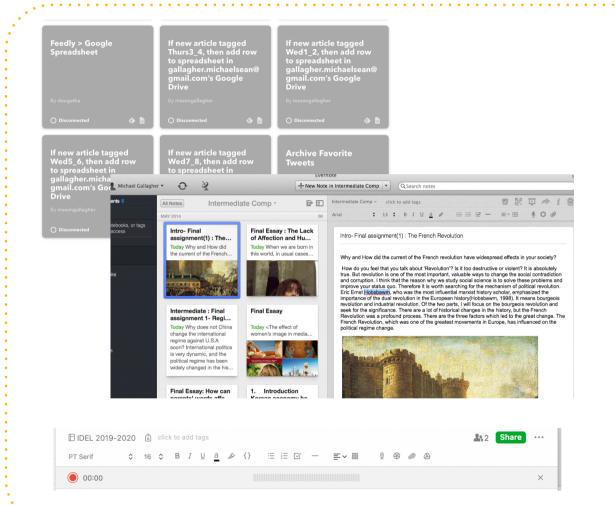














If somebody has some experience it is easy to a suitable course. One can either search by to language etc.. For users with less experience possibilities is challenging.



There are many courses offered by universit certificate against additional payment. The the general criticism that MOOCs are not ecadditional privileges are only accessible afte Hodgkinson-Williams and Trotter describe maldistribution.





Expanding the Teacher Function

- 2019-2020
- Research revolves around the 'teacher function' from Bayne 2015
- Many events with students and staff
- Supplementary data collection
- Generating use cases
- Categorising and analysing what this tells us about teaching
- Prototyping
- Testing
- Piloting





Why is this work necessary?

* some of the imaginaries of edtech in HE are grim (depending on how you feel about teachers)

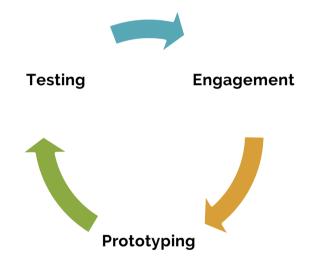


Expanding the Teacher Function

The future shouldn't be designed by FB and Cambridge Analytica.

The University of Edinburgh will determine what it wants for itself.

This is teacher and student-led R&D.



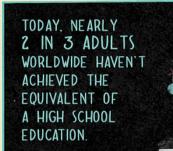


In five years, the classroom will learn you.



THE CLASSROOM OF THE FUTURE WILL LEARN ABOUT INDIVIDUAL STUDENTS OVER THE COURSE OF THEIR EDUCATION AND HELP THEM MASTER THE SKILLS CRITICAL TO MEETING THEIR GOALS.





THE CLASSROOM WILL CREATE
A SYLLABUS BASED ON INDIVIDUAL
LEARNING STYLE AND PACE,
NOT ON AN ARBITRARY TEACHING
SCHEDULE.



THIS SYSTEM WILL LEVEL THE PLAYING FIELD BY ENSURING THAT BARRIERS TO EDUCATION BECOME



ABOUT EACH INDIVIDUAL STUDENT, AND PROVIDE A TAILORED CURRICULUM FROM KINDERGARTEN THROUGH HIGH SCHOOL AND TOWARD EMPLOYMENT. ??

languaga managa ang

DR KATHARINE FRASE CTO EDUCATION, IBM



A SYSTEM FUELED BY SOPHISTICATED
ANALYTICS OVER THE CLOUD WILL HELP
TEACHERS IDENTIFY STUDENTS WHO ARE
MOST AT RISK, PREDICT THEIR ROADBLOCKS
AND THEN SUGGEST MEASURES TO HELP
THEM OVERCOME THEIR CHALLENGES.





FOCUS EDU

Real-time Feedback

Focus EDU provides a portal for teachers to receive real-time classroom attention feedback. Teachers can easily reflect on their teaching methods and content to achieve further improvements in class performance.





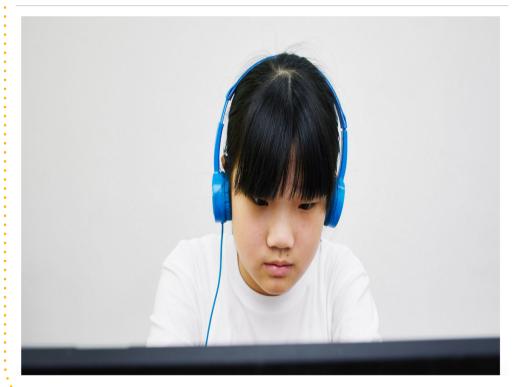








Topics Magazine Newsletters Events $\equiv Q$

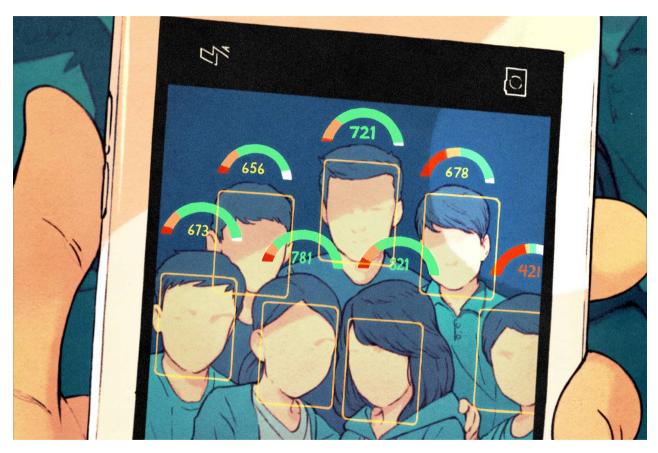


Will AI replace university lecturers? Not if we make it clear why humans matter

Cash-strapped universities might be tempted by AI tutors, but they cannot reproduce human creativity or insight











UNHCR and Zain Wallet use IrisGuard biometrics for refugee aid disbursement

(Chris Burt) Aug 23, 2019 | Chris Burt

CATEGORIES Biometrics News | Financial Services | ID for All | Iris / Eye Recognition

Iris biometric technology from <u>IrisGuard</u> is being used to provide identity verification for refugees in Iraq under a partnership between mobile wallet Zain Cash and the United Nations High Commission on Refugees (UNHCR).

Zain Cash is an Iraq-based mobile wallet, and subsidiary of regional telecom Zain Group, and will provide money transfer, electronic bill payment, and funds disbursement in Iraq with the new EyePay Cash platform, developed in partnership with IrisGuard, Iris





Emerging ID Technology Helps Refugees, at a Cost to Privacy

DHS and UNHCR are Sharing Biometric Data of Refugees

Posted on August 23, 2019

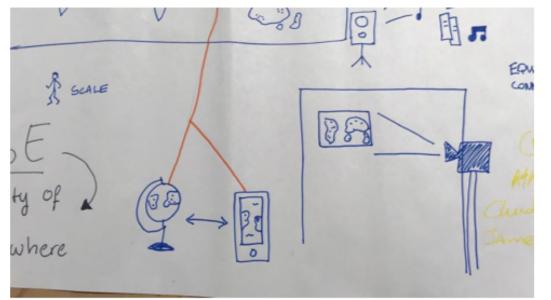


The US Department of Homeland Security (DHS) has been discreetly gathering the biometric information of tens of thousands of refugees, many of whom may never make it to America. According to a recent Privacy Impact Assessment, the information is being collected through a sharing arrangement with the United Nations High Commissioner for Refugees (UNHCR), which sends profiles to federal agencies when referring refugees for resettlement.

The profiles include biographic information like name and date of













Co-designing a valuesbased future for digital education at The University of Edinburgh.



Where does this sit in our

near future?

'Critically evaluate and build capacity for high quality automated assessment and feedback appropriate to disciplines, as a way of augmenting and supporting human assessment.'



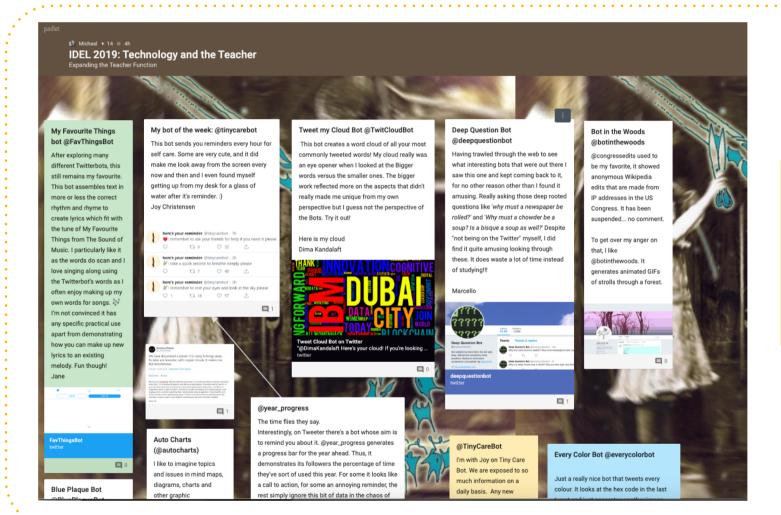




Manifesto for Teaching Online (2016)

'Automation need not impoverish education: we welcome our new robot colleagues.'

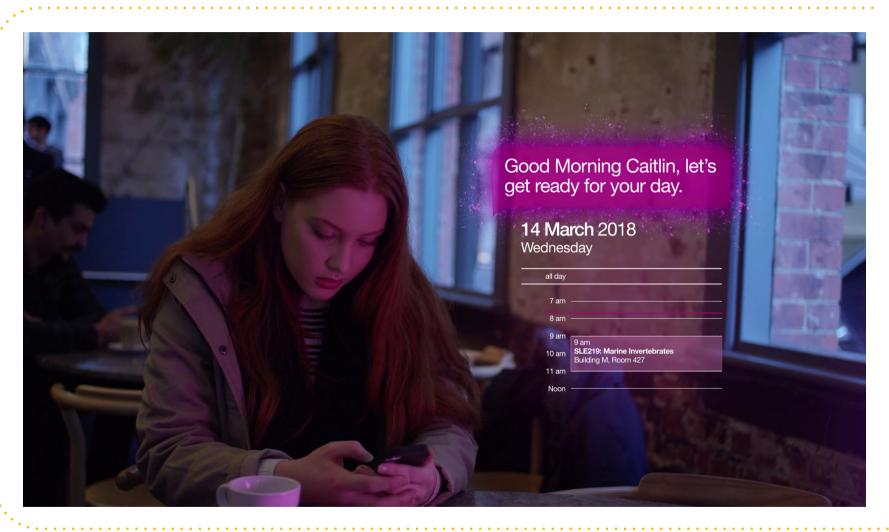
Manifesto for teaching online 2016 * Online can be the privileged mode. Distance is a positive principle, not a deficit. * Place is differently, not less, important online. * Text has been troubled: many modes matter in representing academic knowledge. * We should attend to the materialities of digital education. The social isn't the whole story. * Openness is neither neutral nor natural: it creates and depends on closures. * Can we stop talking about digital natives? * Digital education reshapes its subjects. The possibility of the 'online version' is overstated. * There are many ways to get it right online. 'Best practice' neglects context. * Distance is temporal, affective, political: not simply spatial. * Aesthetics matter: interface design shapes learning. * Massiveness is more than learning at scale: it also brings complexity and diversity. * Online teaching need not be complicit with the instrumentalisation of education. * A digital assignment can live on. It can be iterative, public, risky, and multi-voiced. * Remixing digital content redefines authorship. * Contact works in multiple ways. Facetime is over-valued. * Online teaching should not be downgraded into 'facilitation'. * Assessment is an act of interpretation, not just measurement. * Algorithms and analytics re-code education: pay attention! * A routine of plagiarism detection structures-in distrust. * Online courses are prone to cultures of surveillance Visibility is a pedagogical and ethical issue. * Automation need not impoverish education: we welcome our new robot colleagues. * Don't succumb to campus envy: we are the campus.



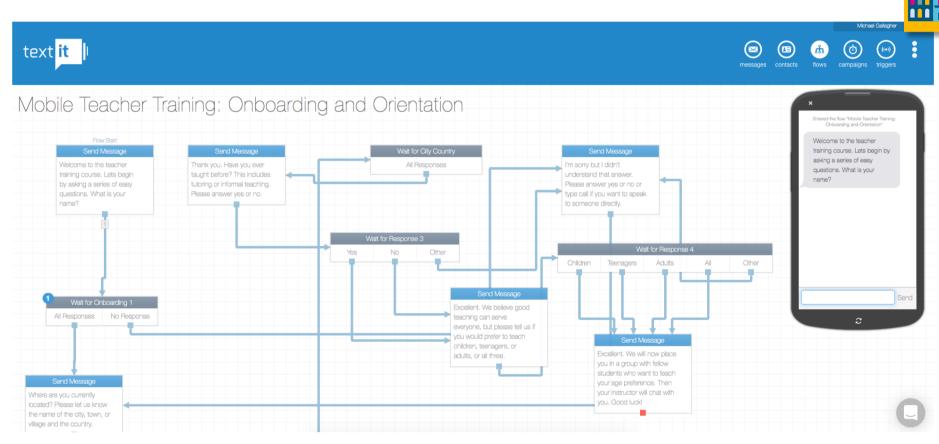
















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	90					50	Teacherbot Dev-Log #2: On the Rise
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Expanding the Teacher Function



- The practices and pedagogies emerging in engagements with emerging technologies are poorly understood or in a state of 'notyetness' (Collier and Ross 2017).
- 'Working with the not-yetness of digital education means engaging with complexity, uncertainty and risk, not as factors to be minimised or resolved, but as necessary dimensions of technologies and practices which are unknown and in flux' (Ross 2017: 214)



Ross, J. (2017). Speculative method in digital education research. *Learning, Media and Technology*, *42*(2), 214-229.





Teacher Function

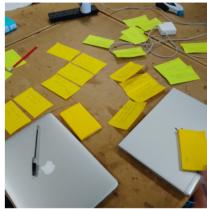
- 1. Scope/scale/space
- 2. 'Proper' teaching
- 3. 'Contact time'

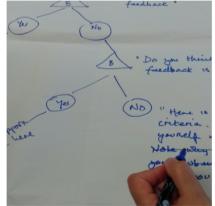
Teaching Sequences

- Rethinking practice with or without automation
- 2. Redefining contact





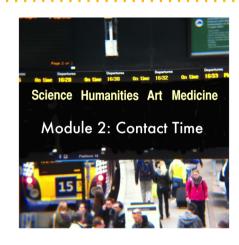




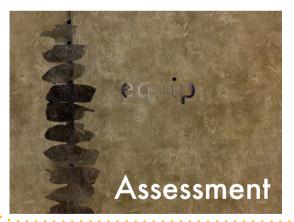
Typology

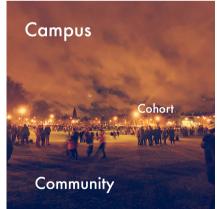












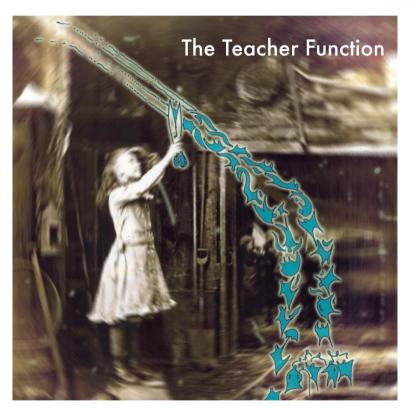






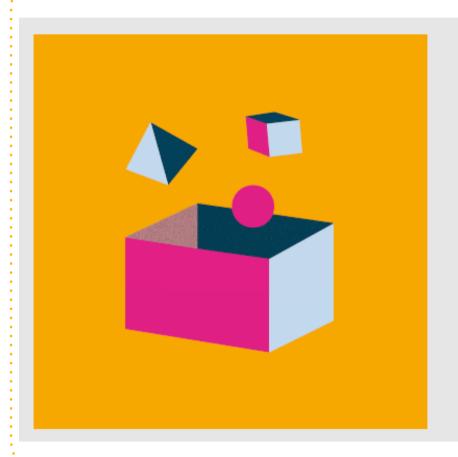
Evaluation Criteria

- 1. Expanding the teacher function: pedagogically generative
- 2. Expanding the research function: research generative
- 3. Expressions of university values*
- 4. Potential impact on the student and teaching experience
- 5. Ethical
- 6. Professionalising



Remix of Adam Diston: Cutting a Sunbeam (1886)





Experience over assessment

Learning should not be over-assessed and instrumentalised.

Teaching should share a focus on employability and success with an understanding of the value of rich experience, creativity, curiosity and – sometimes – failure.



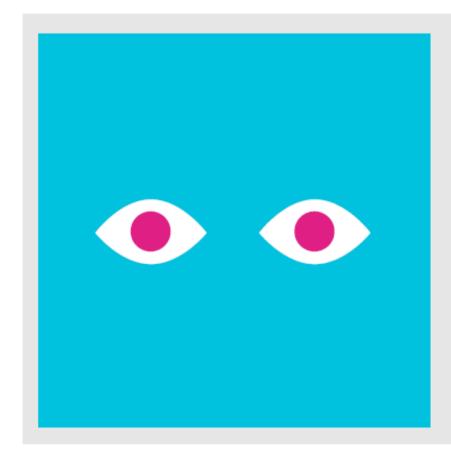


Diversity and justice

Education should design-in meaningful diversity and real inclusion across all areas of activity.

All near future teaching should further social responsibility and global justice.





Relationships first

Relationships, dialogues and personal exchanges between students and staff build understanding in a way that is not possible via transmissive forms of teaching.

Teaching should be designed to provide the time and space for proper relationships and meaningful human exchange.

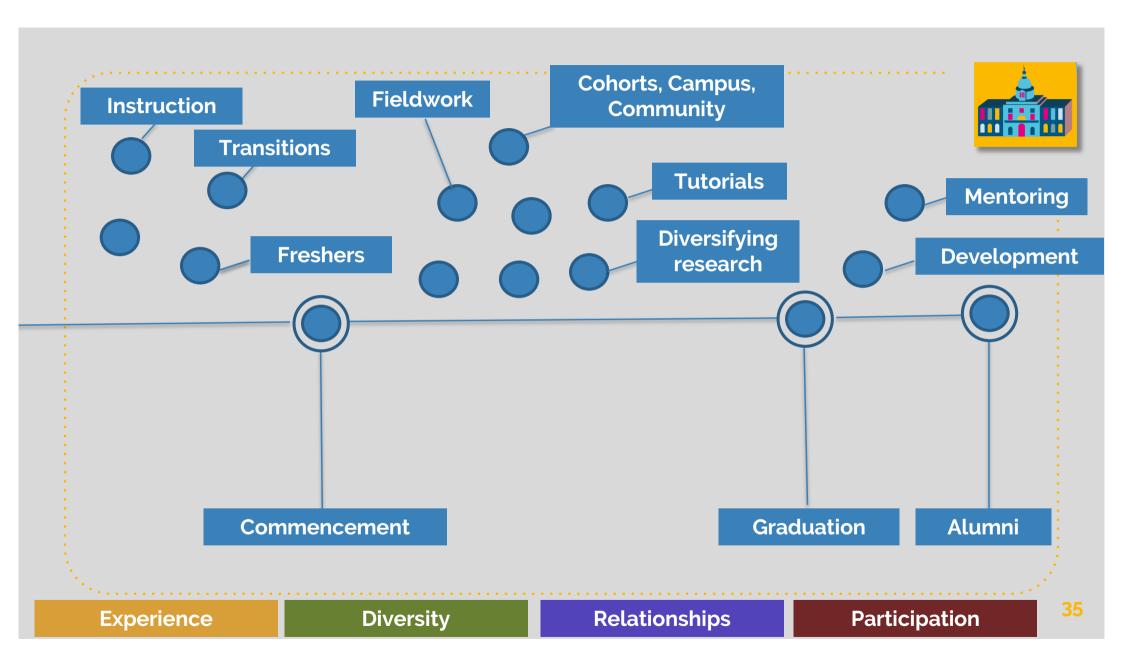




Participation and flexibility

The University community should cooperatively shape how – and what – it learns and teaches.

Flexibility for individuals, fluency across disciplines and cooperative responsibility for curricula should shape near future teaching.





Expanding the Teacher Function

Transitions

Instruction

Freshers

Support

Demystifying the university

Fieldwork

Diversifying research

Tutorials

Dissertation modularity

?

Cohorts, Campus, Community

Development

Mentoring

?

Experience Diversity Relationships Participation





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