

Teachers' engagement with research: Examples from the UK educational context

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Nationell konferens om den praktiknära skolforskningens teori och praktik
Stockholm, 24 Maj 2018



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Teachers' engagement with research

- Postgraduate studies
 - Masters level
 - Doctorate degree
- Teacher-researcher collaboration
 - Research economic and societal impact
 - MathTASK
- Teachers' engagement with research
 - Challenges
 - Benefits

Postgraduate studies

Master's Level

- Becoming a teacher – teaching qualification
 - Several pathways - school or university based
 - University based teacher education courses are usually at master's level giving up to 90 credits towards a master's degree
- Continue studies as a teacher- master's level degree
 - 180 credits
 - Part time
 - Flexible structure with a range of options
 - Introduction to theory and research
 - Dissertation with a research component

Postgraduate studies

Master's Level - Example

MA Educational Practice and Research (Part Time) at the University of East Anglia

- Enhancing science education
- Leadership and management in education
- Innovative teaching and learning through lesson study



Postgraduate studies

Doctorate Degree

- Part-time research degree for professionals.
- Designed to provide an education in **applied research** - meeting the needs of **professionals** working in areas related to **education, educational training** and **development**.
- Variation in:
 - Length, at least 4 years
 - Taught component
 - Assessment
 - Research
 - Research thesis more than 35,000 words
- Opportunity for teachers to research on their practice

Postgraduate studies

Doctorate Doctorate-Example

- Doctor of Education – EdD – University of East Anglia
- 5 years:
 - Year 1: Preparatory phase
 - Assignments: Literature – 3,500 words and Methodology – 6,500 words)
 - Year 2: Proposal phase
 - Proposal 5,000 words and Ethics application
 - Years 3, 4 and 5: Thesis phase
 - Fieldwork, Analysis, Writing the thesis – 60,000 words
- Teaching: Four Study Block Weekends, two in Year 1 and two in Year 2

Postgraduate studies

Doctorate Level-Example

Doctor of Education – EdD – Thesis examples

T. A. E. Coleman	<u>An investigation into Digital Technology and a consideration of whether it can enhance learning; one school's application of digital teaching.</u>	2017
R. Thornhill	<u>"Be in our shoes!": An exploration of the need for a Student-Centred Ethos within Maltese Higher Vocational Education.</u>	2016
M. A Bunting	<u>Medical Education & Problem-Based Learning: Collaboration, Contradiction and Conflict</u>	2016
B. Finger-Berry	<u>Death of a school friend – how young people cope and what helps.</u>	2015
B. M. O'Brien	<u>An exploration of student perspectives of quality teaching at multi-level education environments.</u>	2015
A. M. L. Warsop	<u>"Why has she stopped reading?" The case for supporting reading for pleasure in Secondary schools.</u>	2014
A. M. Cooke	<u>A qualitative inquiry into the construction of modern foreign language teachers' beliefs and pedagogical content knowledge.</u>	2014
I. Kanellos	<u>Secondary students' proof schemes during the first encounters with formal mathematical reasoning, appreciation, fluency and readiness.</u>	2014

Teacher - researcher collaborations

- Research informed practice – Practice informed research
- **Research economic and societal impact** is “is the demonstrable contribution that excellent social and economic **research** makes to **society** and the **economy**, and its benefits to **individuals, organisations** and/or **nations**” (ESRC: Economic and Social Research Council)
- **Knowledge exchange**: a two way exchange between **researchers** and **research users** to share ideas, research evidence, experiences and skills (ESRC)

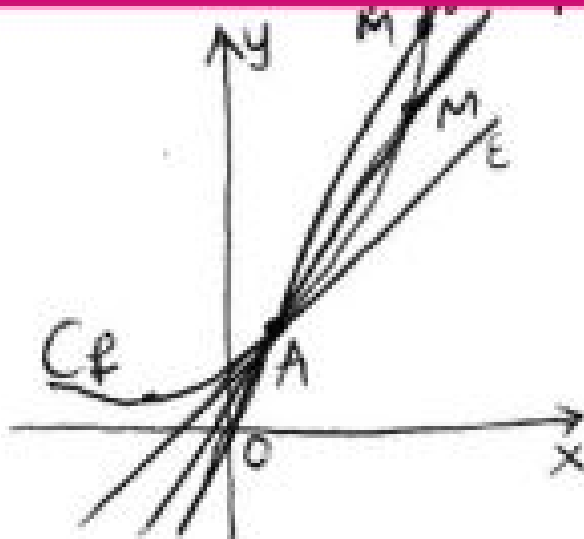
Teacher - researcher collaborations

Examples

MathTASK programme:

- MathTASK is a collaborative research and development programme on secondary **mathematics teachers' pedagogical and mathematical discourses and the transformation of teacher aspirations into pedagogical practice.**
- **Researchers, teacher educators and teachers** design **classroom situations** and then invite teachers to reflect on these situations and think how they would react if something similar would happen in their classroom.
- We use these classroom situation for **research and teacher education** purposes.

MATHEMATICAL THINKING



CLASSROOM MANAGEMENT



CAPTEAM

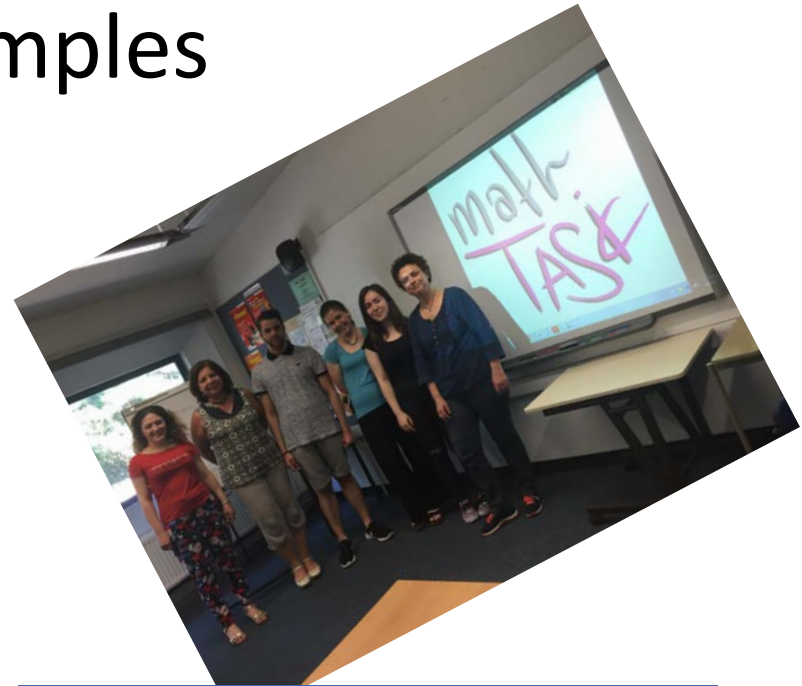


TECHNOLOGY & RESOURCES



Teacher - researcher collaborations

Examples



 The MathTASK project

The MathTASK project

 Secret Group

Teachers' engagement with research: Challenges

- Time/Money
- Institutional context
- Epistemological differences
- Ethical issues



Teachers' engagement with research: Benefits

- Teachers' personal and professional
- Teachers' knowledge
- Quality of teaching
- Teachers' professional development
- Collaborative research and economical and societal impact: “co-productive forms of research (i.e. research undertaken **with** rather than **on** people in a collaborative, iterative process of shared learning) offer particular potential for impact **academically** and **socially**” (ESRC)



Tack så mycket!
Thank You!

