TURNING ON THE BOOK IN HIGHER EDUCATION

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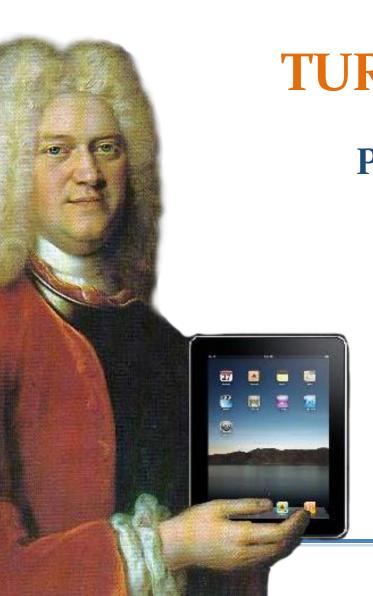




MY RESEARCH

Turning on the book: An investigation into factors that influence higher education teachers' adoption of digital textbooks





TURNING ON THE BOOK

PRESENTATION OVERVIEW

- 1 What does good quality research look like?
- 2 What is meaningful?
- 3 How can this research be put to good use?

GOOD QUALITY RESEARCH





What does it look like?

- a. Identifies a gap in the literature
- b. Methodological rigour
- c. Theoretical framework



1a Gap in the literature

IDENTIFIES GAP IN THE LITERATURE





Limited empirical research on teachers' attitudes and use of digital textbooks

Tendency to focus on first order barriers (convenience, cost, etc.)

Underlying factors (e.g. teacher beliefs)

How does this new medium fit into wider learning and teaching context?

TEACHERS MATTER

"Gatekeepers for technology use in the classroom" (Gaffney, 2010)



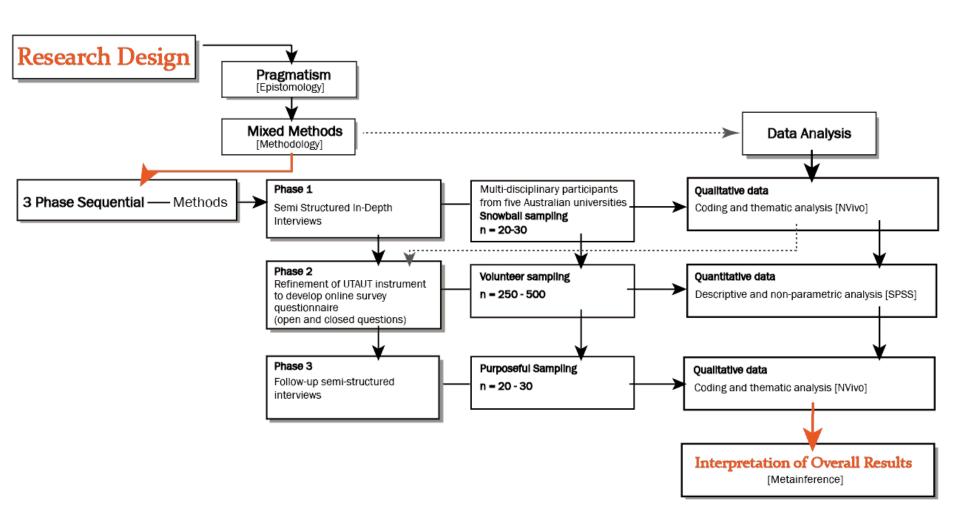
Low digital fluency of teachers is a significant challenge to advancement of teaching and learning (2014 Horizon Report)



Successful integration of technology requires a shift in attitudes











Diffusion of Innovations (Rogers, 2003)

Relative advantage Social norms Compatibility

Unified Theory of Acceptance and use of Technology (Venkatesh et al, 2003)

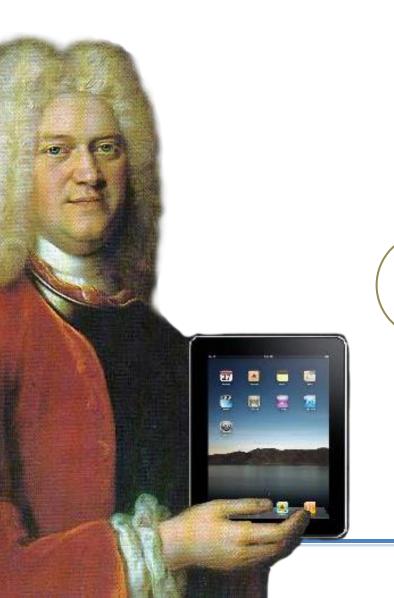
Performance expectancy
Effort expectancy
Social influence
Facilitating conditions

Technological Pedagogical Content Knowledge (TPACK) (Mishra and Koehler, 2006) Complex teacher knowledge

Description-of-affordances model (Pols, 2012)

Varying levels of knowledge required in order to perceive potential of an innovation





2

What is meaningful?

FROM THE LITERATURE



Confusion about what a digital textbook is

Preference for print

Tradition noted as barrier

Emotional responses

Cultural norms

Interest in pedagogical potential of enhanced ebooks



INTERVIEWS: EARLY FINDINGS

Enthusiasm

"That is what ebooks should be, otherwise they are just PDF versions of a printed book"

"I have only seen one but Wow! That is an ebook"

Reservations

"Digital stuff tends to look like entertainment"

"I have some reservations because I remain to be convinced that the quality of learning would necessarily be improved"

Importance of planning for integration

"Potentially if you understand the technology and the abilities of the technology, there's the potential for great change"

"If you understand the technology, that could be amazing, but it needs time and training and just being aware"

"I haven't explored what all the opportunities are here and without dedicating some time to exploring it I would feel less comfortable promoting an e-version"

"A textbook should be integrated as a part of the learning experience"

Disappointment

"I feel there is a boat missed somewhere"



Putting it to good use

WHY DOES IT MATTER?

"Digital books and digital articles that mimic their print counterparts may be efficient, but they do not expand our imagination of what scholarship could be in an era of boundlessness, an era of ubiquity." (Ayers, 2013)

Responding to digital disruption Future learners New pedagogies

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THANK YOU

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