"...whether we like it or not,

whether we are ready for it or not,

Mobile learning represents the next step in a long tradition of technology-mediated learning."

Ellen D. Wagner, Educause Review vol 40, no. 3 May/June 2005 pp. 40-53

iPads in tertiary education

Starting in:



iPads in tertiary education



Peter Mellow eLearning Advisor, Curtin University

www.petermellow.com

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eLearning Advisor, Curtin University

Senior Lecturer AUT - 1997 - 2011

Teaching at AUT for 25 years - MEdL, postgrad cert eLearning, Grad Dip Teaching (Tertiary)

2007- National tertiary teaching awards for sustained excellence (NZ)

2007- Apple Distinguished Educator (ADE) award

2006 - "recognised leader in Mobile Learning in New Zealand" eFest

2004 - Named in the first group of Flexible Learning

2001 - Distinguished teaching award AUT





Landmark projects:

- NZ Sign Language CD NZSL 1
- 'Whakahihiko te Hinengaro' CD and website
- Produced 50 CDs and 3 DVDs for AUT
- Set up StudyTXT mLearning service

AUT Student

Satisfaction Survey:

2003-Anatomy paper ranked 3rd 2002-Anatomy paper ranked 2nd





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Our Students?

✓ Please tell me about YOUR students...

"The goal is an organisation that is constantly making its future rather than defending its past."

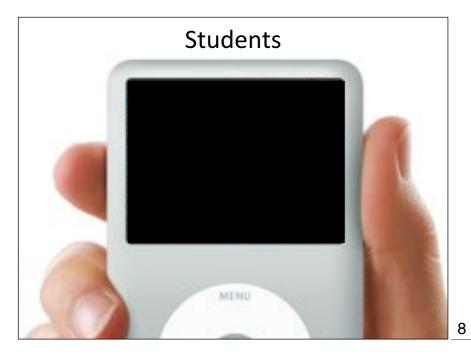
Hamel & Valikangas, 2003

The Quest for Resilience by Gary Harnel and Liisa Välikangas	In a turbulent age, the only depens capacity for reinventing your busis force you to. Achieving such strates challenges stand in the way.	ness model before circumstances
		for
by Gary Hamel and Litsa Välikangas		
	by Gary Hamel and Litta Väliki	angas
	Call it the resilience each fine world in become	of "relicousty" companies that had consistent

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AIFT 23(2) Oliver and Goerke (2007) – Australian undergraduates' use of emerging technologies – the Net Generation

18/03/08 11:38 AM

Australasian Journal of Educational Technology

AJET 23

Australian undergraduates' use and ownership of emerging technologies: Implications and opportunities for creating engaging learning experiences for the Net Generation

Beverley Oliver and Veronica Goerke Curtin University of Technology

Studies and commentary from the United States suggest that current undergraduates, part of the so called Net Generation, are high end users of emerging technologies such as mobile devices and new communication tools. This paper reports results from an Australian study of first year undergraduates which confirms these assertions: ownership of laptops, mobile phones and music devices appears to be growing rapidly among this group, along with their use of tools such as instant messaging, blogs and podcasts. Discussion of these results include suggestions as to how teachers of first year undergraduates can incorporate these tools and devices into extramural learning experiences in order to increase engagement and exploit the Net Generation's desire for 'connectedness'.

Introduction

Undergraduates' "digital backpacks" are likely to hold all manner of convergent mobile devices and tools (Millea, Green, & Putland, 2005) designed to keep the multi-tasking Net Generation connected and 'always on' (Oblinger & Oblinger, 2005). The contents of these students' "digital backpacks" are interesting not just in themselves, but because of what they indicate about their owners' electronic habitats and the activities they find potentially engaging. Oblinger and Oblinger, drawing on studies in the United States, claim that today's Net Generation (born between 1982 and 1991, making them currently between about 14 and 23 years of age) began using computers between the ages of 5 and 8; in their teenage years, they used the Web extensively for school research (Oblinger & Oblinger, 2005).

Table 5: Number and percentage of students who reported owning devices

	Year	n	No	Yes	Not sure
V. C.	2005	412	51.9%	47.6%	0.5%
Laptop	2007	290	50.0%	48.6%	1.4%
Handheld computer	2005	409	91.0%	8.1%	1.0%
	2007	288	93.1%	5.6%	1.4%
M-131	2005	412	2.2%	97.6%	0.2%
Mobile phone	2007	289	3.1%	96.2%	0.7%
in 1 - 1400	2005	409	59.2%	40.6%	0.2 %
iPod or MP3	2007	288	28.5%	70.1%	1.4%

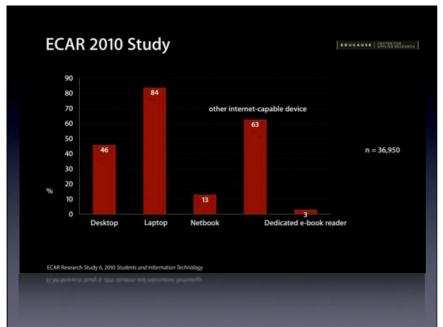


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Students



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Teachers



Digital Literacy



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Technology Support

"Current generation of students expects seamless technology use."

Brown, Oblinger. (2005)

"Many teachers steer clear of engaging with technology they leave it to the technologists and get on with the business of teaching. This is no longer an acceptable position, however.

Teachers must reach a point where they are exploiting the full benefits of technology to support their learners.

They need to combine subject expertise with deep knowledge of the technology to become educational technologists or technological educators."

Good, M. On the way to online pedagogy. (2001)

Massey (2000) and Blandin (1997) see four levels of skill:

- Level 1: Competent in a few tools that are used in everyday working, for example word processing.
- **Level 2:** Competent in a wider range of everyday tools to a higher level able to use advanced word processing features to enhance productivity; able to log on to and use a conference area; still a victim of many of the problems that will happen and dependent on others to solve them.
- **Level 3:** Autonomous explorer engaged with technology and able to solve own problems and look out for new opportunities as things change and develop.
- Level 4: Expert.
- "Many teachers are at levels 1 and 2. They all need to be at level 3 and far more need to combine subject expertise with deep knowledge of the technology to become educational technologists or technological educators."
- Good, M. (2001). On the way to online pedagogy.

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The 4th screen



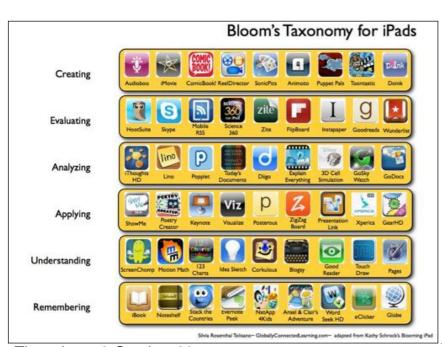


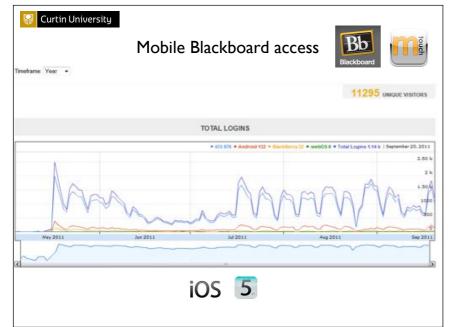


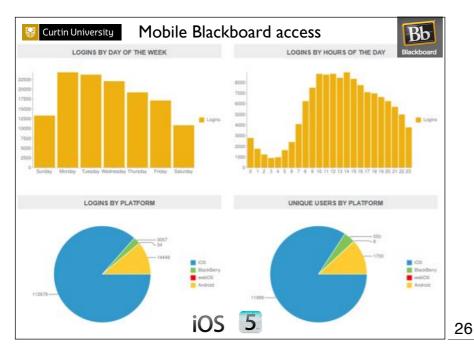


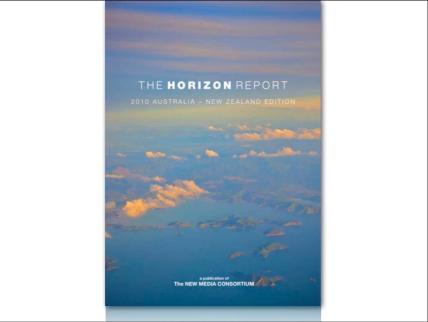












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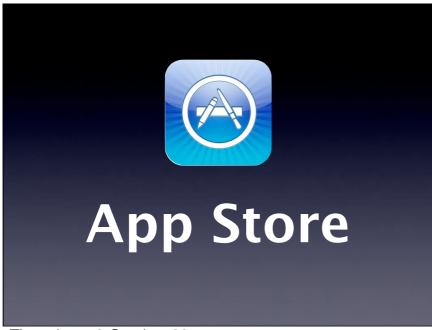








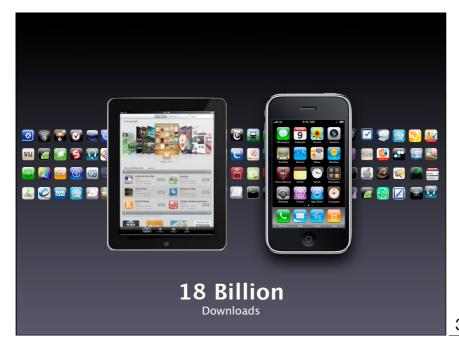








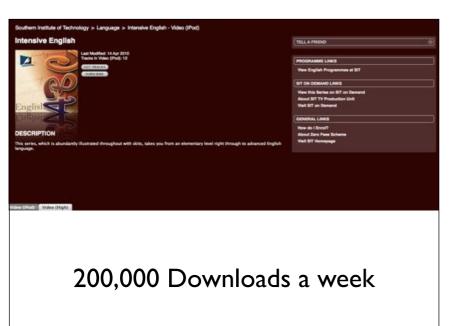


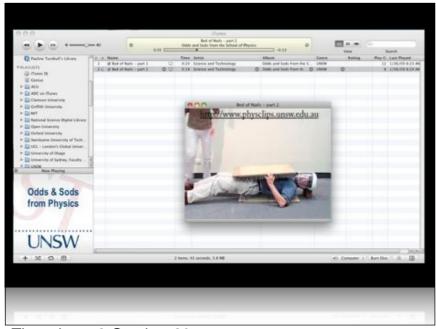








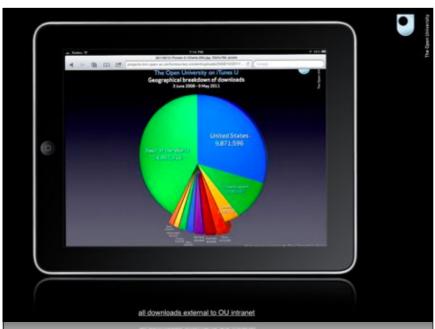




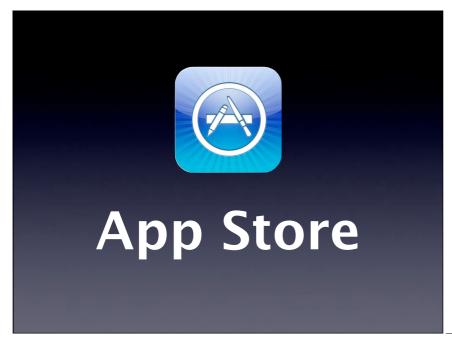
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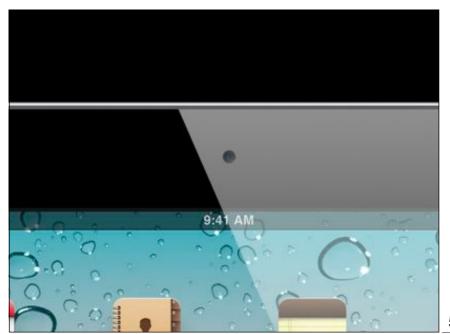






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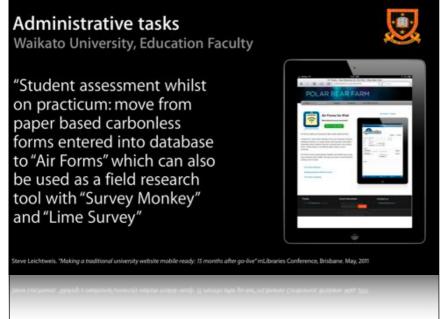


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Multi-media

Many lecturers wish to use a variety of media types in their teaching

<u>Infrastructure</u> Hardware

Software

Bandwidth/storage

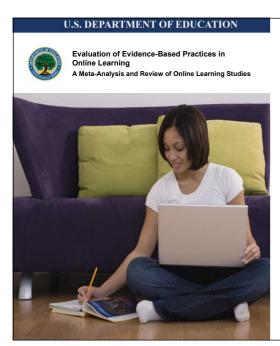
Skills/Abilities/PD

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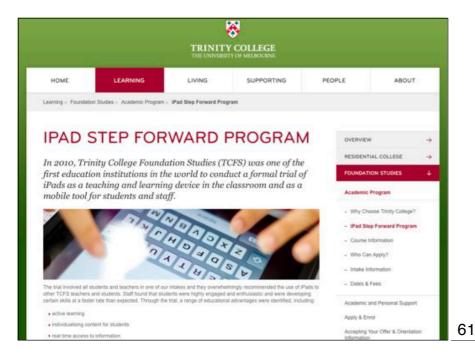


"The metaanalysis found that, on average, students in online learning conditions performed better than those receiving face-to-face instruction."

May 09

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PLE - Personal Learning Environments

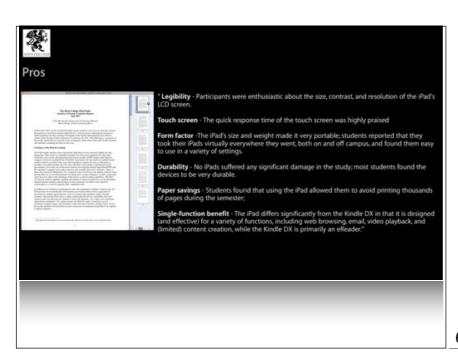


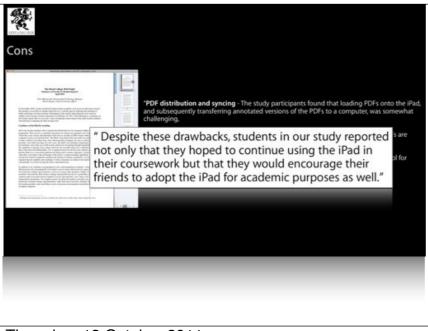












"If we continue to teach our students today, as we taught them yesterday, we rob them of tomorrow."



John Dewey



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