iPads and legal education

Miranda: O braue new world

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Prospero: 'Tis new to thee.

The Tempest, V.i.215-17

Professor Paul Maharg Northumbria University Law School

the argument

- 1. Policy-makers, regulators and educators need to radically rethink legal educational culture, practices and infrastructure.
- 2. Creative use of experiential learning allows us to develop new theory, re-discover old heuristics & develop imaginative forms of teaching & learning appropriate to new technologies.
- 3. It is effective, and cost-effective, but...
- 4. we need to re-design knowledge representation, learning resources, staff roles, institutional roles, in the digital world. Remember Kodak, Encycl. Brit., journalism, music industry, 'creative destruction' etc...



the project

- Business Law & Practice, LPC elective (BLP)
- All students taking the elective will be given an iPad2 as part of their programme fees
- ▶ BLP teaching, learning & assessment to be redesigned entirely, based around simulations, webcasts, quickcasts, document libraries, online transactional guidelines, using collaborative learning.
- Project partners (so far...): Glamorgan Law School, Law Society of Ireland
- Funders: BILETA, Northumbria Law School
- All materials to be offered as Open Education Resources (OER).



Digital Games and Learning

Three sections to the book:

- ▶ THEORIA
 - Theory of game & sim design
- ▶ CULTURA
 - Culture of gaming & sims
- PRAXIS
 - Practice of designers & implementers as well as users

Our theory: if you're going to design/use games & sims, you need to be aware of all three, especially culture & practice.



theoria

Chapter 1:

'Digital games and learning: modelling learning experiences in the digital age'.

Sara de Freitas & Paul Maharg

Two key questions:

- 1. Why is it so difficult to implement play learning and sims in formal institutional and disciplinary cultures?
- 2. How can games be used more effectively to facilitate professional learning?
- Transformational theory sets for games and professional learning
- Diegetic and transactional dimensions in the SIMPLE case study



cultura

Chapter 4: 'Revolution: Experiential Learning through virtual role play'.

Russell Francis

Students take roles in a community experiencing tensions between

loyalists & patriots in the American War of Independence.

- Students 'follow their own paths through a loosely structured controlled emergent narrative'
- Each character/avatar has a particular persona & story that unfolds in the larger narrative
- Revolution is one resource among many in the classroom setting



cultura

- Each player's understanding of role and events is constructed iteratively within the narrative as they test hypotheses within social situations.
- Players move from private experience within avatar to discursive knowledge of events
- Teachers help player/students to move from private experience through questioning and 'activities that encouraged analysis, synthesis hypothesis formation and abstraction' (102).

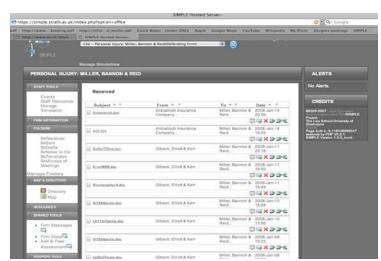


praxis

Chapter 10: 'From master to games-master: managing disequilibrium and scaffolding in simulation-based learning'.

Karen Barton, Patricia McKellar

- The Civil Court Action game and simulation
- Learning designs as an iterative process managing that process over a long span of time...?
- Sim as the centre of an entire programme as well as a syllabus – what does that do to conventional elements of legal education?





praxis

Some chapter conclusions:

- 'Our initial objectives were far exceeded emerging outcomes led the way for us'.
- Our roles as teachers and course designers changed fundamentally'.
- 'What we were doing required a redesign/reconfiguration of the curriculum to accommodate the new learning and assessment methods'.
- 'Student study routines are changing'.
- 'Students' feedback pushes us to stretch our ideas, too, and students discover things we had not considered'.

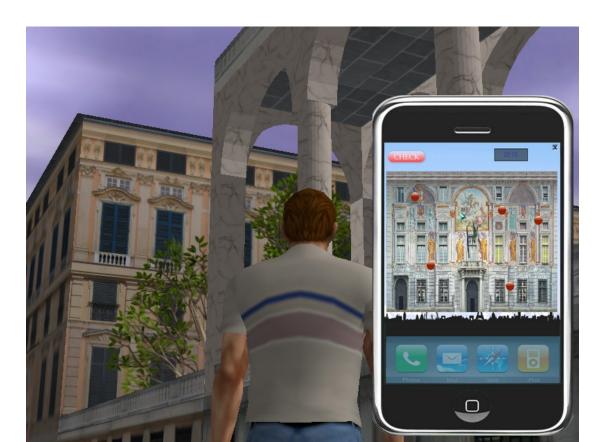


praxis

Chapter 11: 'Designing serious games for cultural heritage purposes'.

Francesco Bellotti, Riccardo Berta, Alessandro De Gloria, Giulia Panizza, Matteo Pellegrino & Ludovica Primavera

- Geo-locationary games associated with heritage sites linked to historical & cultural information.
- Tasks, quizzes, hunts take place in heritage settings.
- Tasks are associated with 'points-of-interest'.
- Games can be played onsite or played virtually.



The frame of the game powerfully mediates player experience, eg -

- Esther Macallum-Stewart: 'stealth learning'.
- Russell Francis: relations between player and avatar.
- Barton & McKellar: the play of professional identities & professionalism.



Transfer of learning.

- How do teachers teach differently? (Gibson)
- ▶ How does feedback work in a game? (Dunwell, de Freitas, Jarvis)
- What happens to teacher identity? (Sandford, Facer & Williamson)
- What happens to mentoring? (de Freitas & Maharg)
- Can transfer happen in unstructured informal learning environments? (Squire & Patterson)



Immersion.

Cf Salen & Zimmerman's concept of 'immersive fallacy', digital game as holodeck.

Using Bateson's 'metacommunication' and Bolter & Grusin's 'remediation' they argue that the immersive experience is much more complex & multi-layered – as do authors in DGL.



Freedom is essential. Four freedoms:

- Freedom to fail
- Freedom to experiment
- Freedom to fashion identities
- Freedom of effort

(Osterweil & Klopfer)



some themes for further exploration

What do games/sims do to:

- 1. The identity of teachers?
- 2. Learning in one place at one time?
- 3. Curriculum design in professional and u/grad programmes?
- 4. Conventional discourse of a discipline?
- 5. Interdisciplinary forms of learning?
- 6. User interaction with online resources?
- 7. The place of conventional VLEs in our law schools?
- 8. The varieties of experiential learning?



varieties of experiential learning

Example: Transactional Learning A specific form of problem-based learning. At least seven distinguishing elements -

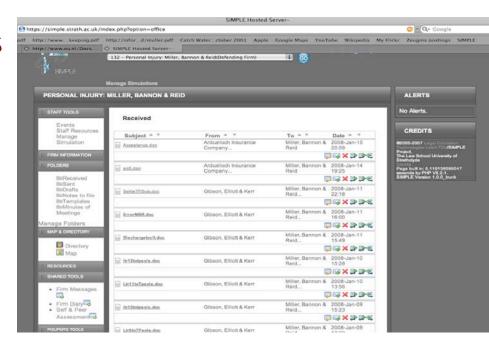
active learning

through performance in authentic transactions involving reflection in & on learning, deep collaborative learning, and holistic or process learning, with relevant professional assessment that includes ethical standards

 that can have a significant effect on learning when used in simulations of professional practice.

simulation, f2f or web

- standardized client, supported by video annotation software + flexible e-portfolio that's completely in student control & links to alumni activity
- web-based sim, eg SIMPLE
- used in under/postgrad legal education
- ... and currently being extended into Open Educational Resources (OER)





nttp://www.simshare.org.uk

Simshare – OER for sharing sims



on new platforms

- Expensive, niche apps?
- 'entire course on an *iPhone*?... screen's way too small...'

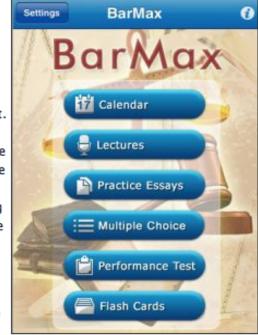
Filed under: Software, iTunes, Developer

BarMax offers bar prep on the iPhone for \$1000

by Mike Schramm (RSS feed) on Jan 19th 2010 at 6:00PM

News is going around about yet another expensive app bucking the trend on the App Store, but here's the twist: this one actually has a good reason for such a high price. BarMax CA [iTunes link] is an app currently out that costs \$999.99 -- that's right, while most developers are haggling with customers over 99 cents, this one's selling for a full \$1000. But there's actually a good reason for that. It's a bar prep app, designed to help would-be lawyers pass their bar exams. Comparable services cost up to three or four times the price of this one, so if you have an iPhone and are planning to take the bar, this could actually be a "bar"gain (sorry, please don't sue us). The app is over a gig in size and brags about squeezing 50 lbs of books into the palm of your hand -- there are test questions, reference guides, audio lectures, and practice cards all included in the app's purchase.

Of course, if you really do want to buy something like this, just getting it for your iPhone probably isn't the best way to do it -- you should probably do the research and see



what other bar prep programs are out there before you jump into this one. And the app description in iTunes even says they'll ship you an iPod touch just to use the program, so even if you go with BarMax, you might as well see how you can get an iPod touch with it, right? But an app like this may show that there is a market for super-expensive apps, even if they have to fit very strongly into a specialty niche.

Of course, to learn whether anyone actually buys it, we'll probably have to wait and see.

Tags: app, audio, bar-prep, barmax, ipod touch, IpodTouch, itunes, lawyer, lectures, legal, questions, reference, services

http://www.tuaw.com/2010/01/19/barmax-offers-bar-prep-on-the-iphone-for-1000/



on new platforms

- ... but doesn't it depend on content design?
- and curriculum design?
- and how students want to learn?
- and the market?

\$1000 iPhone law exam review app sends traditional publisher running for cover

by Mike Schramm (RSS feed) on Feb 16th, 2010



You readers were skeptical that BarMax, the iPhone app that offered up a full law prep system for \$1000, would make too big a splash in the law prep community. But apparently that's exactly what happened — three weeks later, BarBri, one of the more traditional competitors to the new app, has made significant changes to their pricing and service that appear to be aimed at keeping law students away from BarMax. First, they've decided to offer complete online access for free to every student that takes their courses (we don't know how much they charged previously, but it used to be an additional cost). Second, in direct opposition to BarMax's "buy once, use forever" deal, they've allowed students to save at least \$2000 every time they retake the test courses, by offering retakes for free as well.

That's pretty incredible. Just by offering up one much cheaper alternative through Apple's iPhone platform, BarMax has already started to revamp the entire business. Of course, I couldn't tell you anything about the quality of these two programs (and whether either BarMax or BarBri is worth using at all), but clearly BarBri smells danger in the wind. It's just not possible to publish content the old way when even one competitor has an alternative through cheaper channels, and the App Store model is as cheap a channel as you can get.

Just imagine what's going to happen when the iPad opens up iBooks and launches the revolution in education publishing that everyone's talking about. The next twelve months are going to be very interesting for textbook customers and/or publishers.

Tags: app, barbri, barmax, business, education, free, ipad, iphone, retakes, technology, thousand-dollars, updates

http://www.tuaw.com/page/2/



on new platforms

- fast connections
- full DRM + local content
- better than a netbook?
- entire courses downloadable

Several textbook publishers sign iPad deals

by Dave Caolo (RSS feed) on Feb 3rd 2010 at 4:00PM

Back when the iPad was a rumor, many contended that a successful Apple tablet would provide an easy and cheap way to distribute textbooks. Now, the Wall Street Journal reports that several publishers have come on board.

Specifically, publishers are in talks with ScrollMotion, the company behind, among other things, the very well-done lceburg Reader for iPhone, to develop text-prep and other study guides for the iPad. McGraw-Hill, Houghton





Mifflin Harcourt K-12, Pearson Education and the Washington Post Co.'s Kaplan Inc. are named in the article.

John Lema, chief executive of ScrollMotion, called the iPad's introduction "...the beginning of handheld education."

Of course, the iPad's reception and performance in the education market is unknown, and the device faces competition from inexpensive netbooks, systems fully entrenched in an existing system, or networks and budgets that don't allow for new purchases.

Still, we imagine the average college student being able to purchase textbooks with an iPad, and carry only that device across campus. Plus, publishers would be able to dodge the resale of used books by campus bookstores — which doesn't generate any money for them. Finally, we can imagine an app that allows professors to push notations or assignments to students' iPads or even individual books.

Keep your eye on the iPad in the education market. It could push the device over the edge.

[Via Macsimum News]

Tags: iceburg reader, IceburgReader, ipad, scrollmotion, texbook

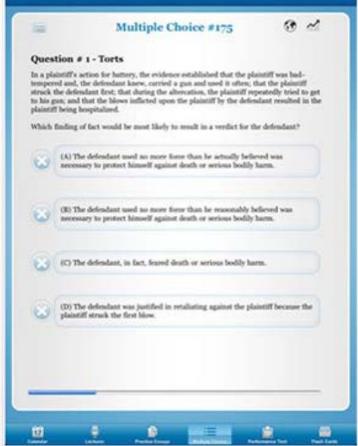


and yet...

- Effective?
- dull?
- worth \$1,000?
- only 1 app...
- driven by hardware...?
- & what sort of: content structure interaction

do we get for our money?





BarMax, the US\$1000 iPhone app to help law students pass the bar exam, has made its way to the iPad. The California edition of the popular bar exam prep software is now available on the App Store. BarMax for the iPad is designed to take advantage of the larger screen real estate of the iPad by offering an outline layout of course content, a redesigned multiple choice section and the ability to highlight text, add notes and bookmark pages.

The BarMax app may cost a pricey \$999.99, but its 1 GB of data softens the financial blow. Customers receive two months of lecture material, thousands of pages of documentation in electronic format, sample MBE questions, sample essay exams, flash cards and a built-in calendar and task list to help them study. Once a student purchases the app, he or she has lifetime access to the course materials and a direct connection with Harvard-educated lawyers who will field any questions. The primary competitor to BarMax is BARBRI, another bar exam preparatory company that lets customers add a \$295 iPhone option to its \$3,000-\$4,000 traditional paper and computer-based course.

treat BarMax as chassis for a transactional, collaborative, online experience

BarMax includes:

- ▶ 2 months of lecture: outlines & audio lectures for all 12 subjects
- Calendar to guide you through 2 month program
- Email support ('live contact' with 'Harvard-educated lawyers'...)
- Skeleton outlines on your laptop (emailed to you) for note taking
- 1,371 real practice MBE questions from previous exams categorized by subject
- Over 800 flashcards categorized by subject
- ▶ 108 real practice CA essay questions with sample answers
- 20 real practice CA performance tests with sample



can mobile devices change student + staff learning + teaching?

NO: devices don't change things: we change or are changed. We need to change, *intentionally*, *purposefully*, our habits and routines – or else technology may change them for us.

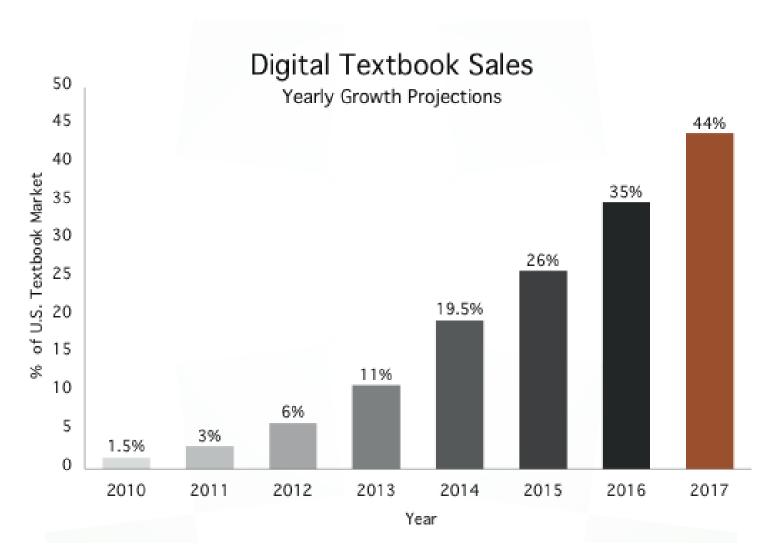
Eg 1: **Design**... Well-designed technology environments can shift habits of reading, writing, teaching, assessment & study.

'Users who own an iPad are apparently doing less reading on their computers during the day. In other words, they're saving articles specifically for iPad time, because apparently they prefer to do more reading on the iPad itself.'

http://www.tuaw.com/2011/02/04/how-the-ipad-and-iphone-shift-reading-habits/

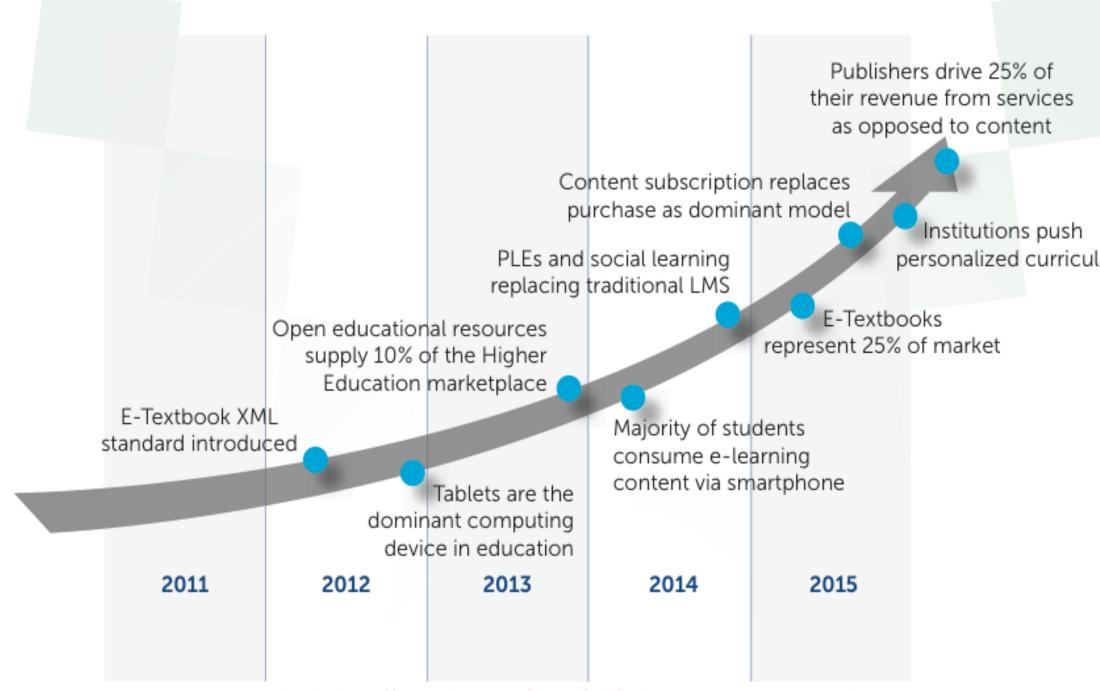
Eg 2: Market... Moodlerooms partners with McGraw-Hill, Dub, Dell, Cambridge Global Learning Grid, amongst others.





Digital Textbooks, http://info.xplana.com/report/pdf/Xplana_Whitepaper_2011.pdf

APPENDIX C – XPLANA LEARNING CURVE



are iPads used by lawyers?

All Eversheds fee-earners are given them:

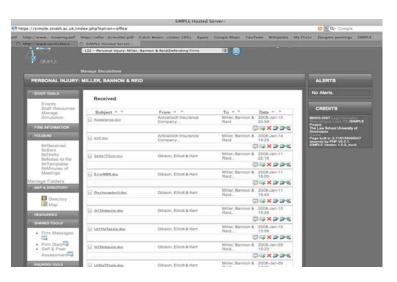
'The iPad is an incredibly intuitive device which will be popular with our lawyers. With Citrix technology we expect to deliver key applications to lawyers including email, document management and client relationship management systems whenever and wherever they need to. We have already made an investment in the Citrix platform so we will be able to deliver our applications on to mobile devices very quickly."

Paul Caris, CIO, Eversheds

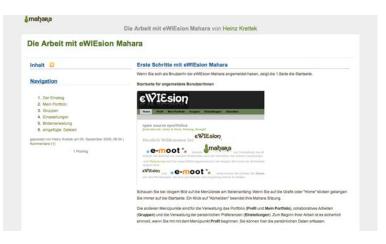


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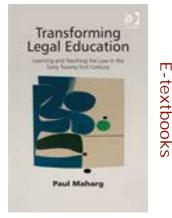
Sim case management



My e-portfolio







so is this how it might it look?



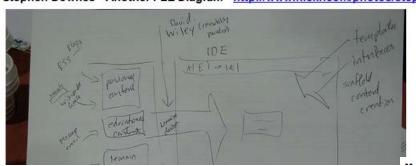
Web/pod/quickcasts



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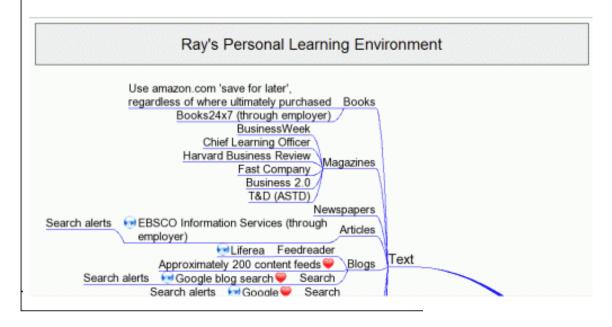


Stephen Downes - Another PLE Diagram - http://www.flickr.com/photos/stephen_dowr AJ Cann, PLE Presentation - http://www.microbiologybytes.com/tutorials/ple/ple5.html





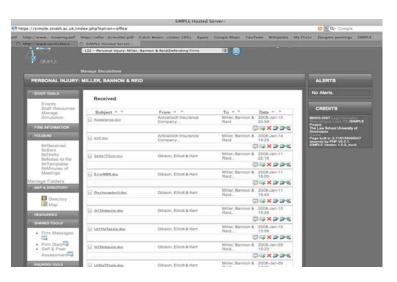
Ray Sims' PLE page - http://simslearningconnections.com/ple/ray_ple.html 22



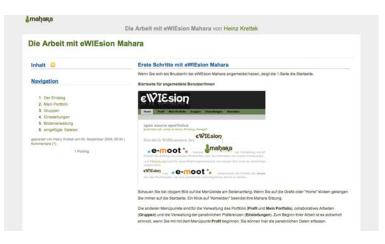


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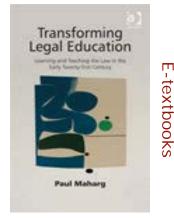
Sim case management



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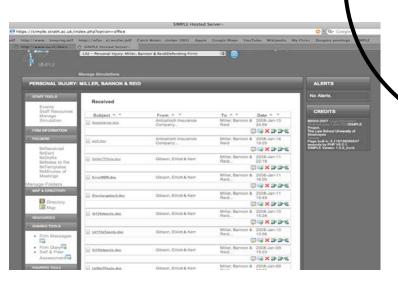
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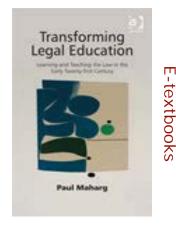
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My e-portfolio







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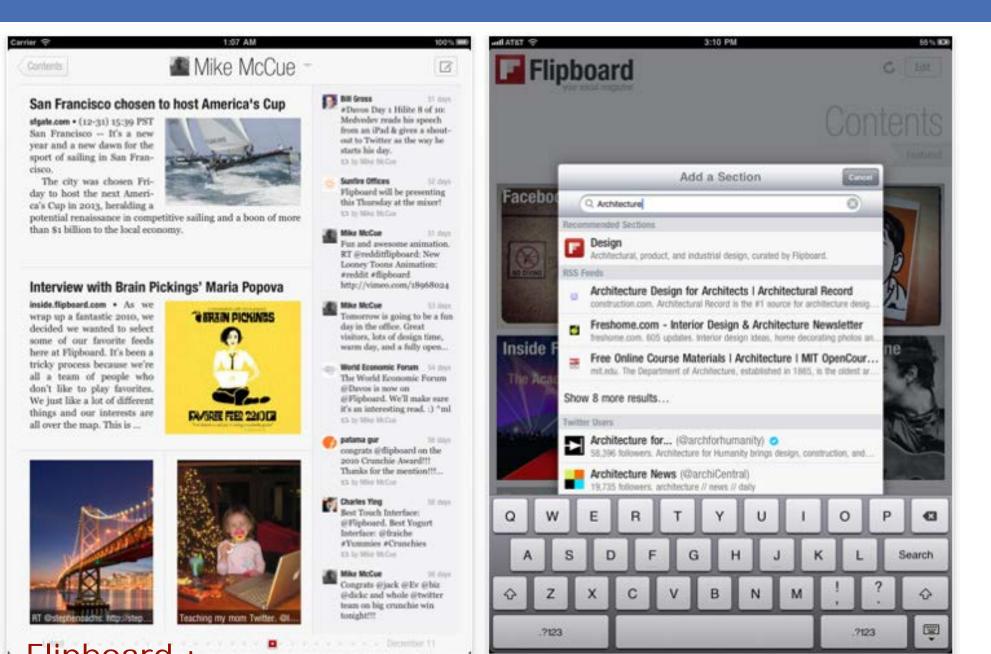
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learning as aggregation + high impact practices





aggregation

Aggregates:

- Social media
- **▶** RSS
- ▶ Google Reader
- Customized ToC
- Photos, videos

into an online magazine format.

See also The Future of the Book:

http://vimeo.com/151423 35

First name:	Last name:
Email address:	
Create username:	
Create password:	
Get started or	Connect with Facebook



Stay Connected

The whole family can stay connected online by sharing photos, videos and stories in one place.



Blog!

Start a blog that the whole family and friends can follow. Post photos, videos, and more.



Share photos & videos. Schedule events. Have discussions.

Share Privately

A social website that puts families and privacy first. You decide who can join and participate in your family group.



Events & Calendaring

Keep an online family calendar to remember and plan reunions, birthdays and other family events.



Less than \$10

Each family group is \$9.95 for the first year and only one person pays for the entire group.



Social Integration

Share your photos, videos, and more with Facebook, Twitter, tumblr, and other services.



A great archive

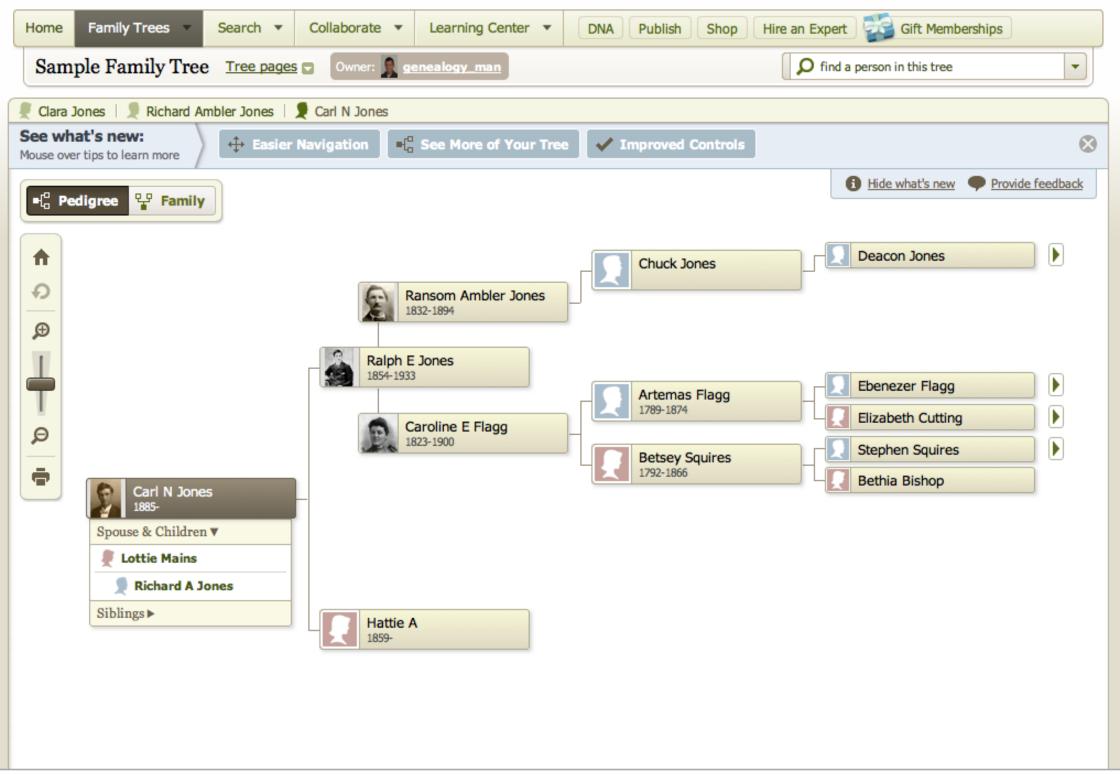
Unlimited storage space and SiteSafeSM technology keep all of your family memories safe and secure. No matter what.



Share from Anywhere

Get the free MyFamily for iPhone app and keep your family updated on the fly, wherever you are.







Carl N Jones
Birth 3 Jun 1885 in Richmond, Chittenden, Vermont
Death

■ View his family tree

View family members

More options ▼

Overview

Facts and Sources

Media Gallery

Comments







Family Home

Carl Jones

Photos (2)

Stories (0)

Audio (0)

Video (0)

Timeline (View details)



<u>Birth</u>

Richmond, Chittenden, Vermont

4 source citations ▼



Residence

Richmond, Chittenden, Vermont

1 source citation ▼



Residence

Richmond, Chittenden, Vermont

1 source citation ▼



1920

Age: 35

<u>Residence</u>

Richmond, Chittenden, Vermont

1 source citation ▼

Family Members

Parents



Ralph E Jones 1854 – 1933





1859 -

Show siblings ▶

Spouse & Children



Lottie Mains 1888 – 1950



Richard Ambler Jones
1905 –

Family group sheet

Source Information

view details

→ 1900 United States Federal Census

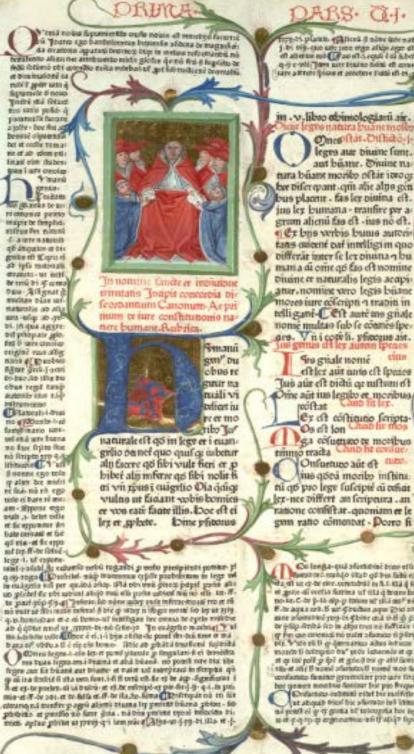


1 citation provides evidence for Name, Birth, Residence

-National United States Federal Consus

aggregation...

Think of aggregation as a genealogy of knowledge where there is textura and the development around them of debate, analyses (glossa) which change more quickly than the textura.



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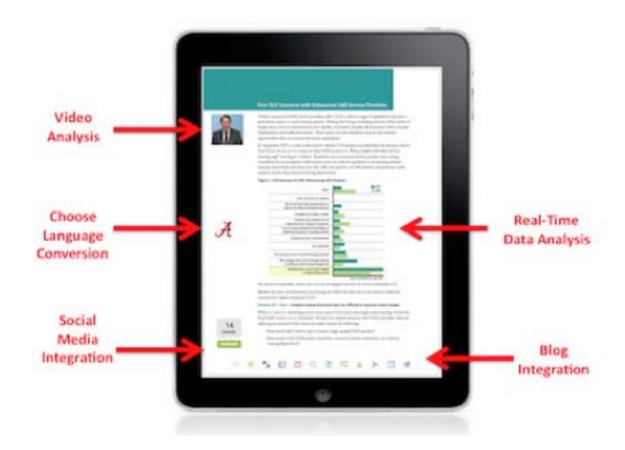
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but in real time...



Jonathan Kantor, White Paper Company, http://www.whitepapercompany.com/blog/?p=4895



big project!

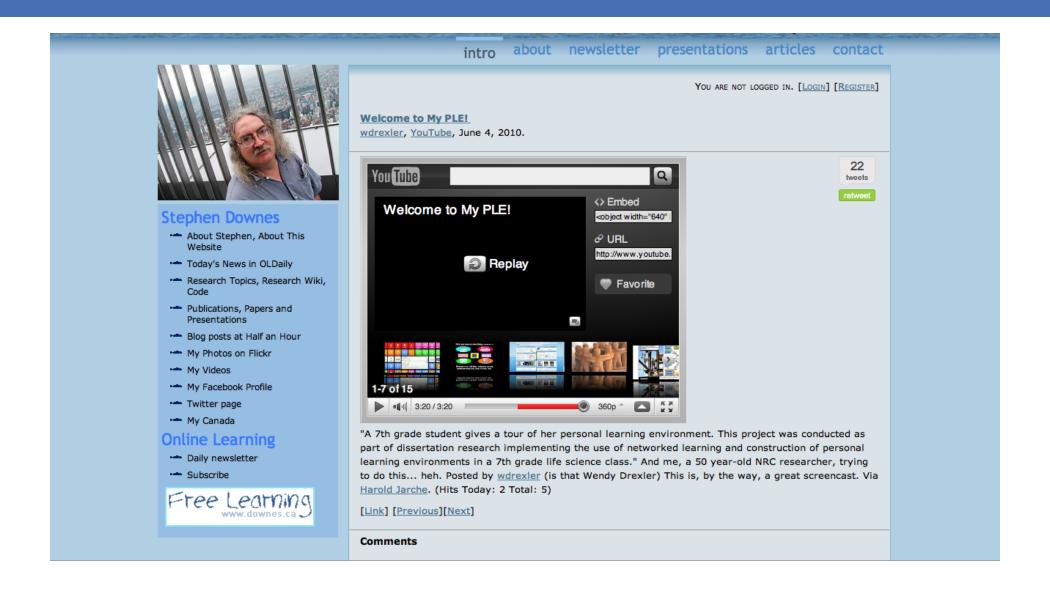
... and until then, our pilot project will be turn this

functionality:

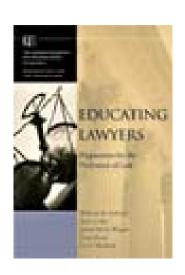


▶ into a portal for professional learning that can do all of the above + allow for user-centred aggregation.

anyone else thinking along these lines?



signature pedagogies (Lee Shulman)



Sullivan, W.M., Colby, A., Wegner, J.W., Bond, L., Shulman, L.S. (2007) *Educating Lawyers. Preparation for the Profession of Law*, Jossey-Bass, p. 24

Surface structure

 Observable, behavioural features

Tacit structure

 Values and dispositions that the behaviour implicitly models

Deep structure

 Underlying intentions, rationale or theory that the behaviour models

Shadow structure

 The absent pedagogy that is, or is only weakly, engaged



transforming the pedagogy...?

Experience of...

- · law in the world
- interdisciplinary trading zones
- creative, purposeful acts

Ethics in...

- an integrated curriculum
- habitual action
- reclamation of moral spaces in the curriculum

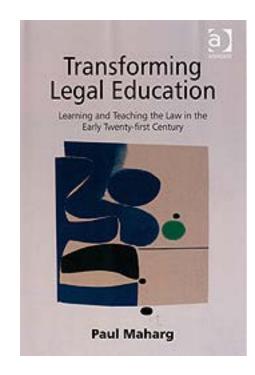
Technology for...

- our discipline, our curricula
- learner-centred control
- transactional learning

Collaboration

between...

- students
- institutions
- academic & professional learning
- open-access cultures



transforming the pedagogy...?

Ariell Song. Full fadom five thy Father lies,
Of his bones are Corrall made:
Those are pearles that were his eies,
Nothing of him that doth fade,
But doth suffer a Sea-change
Into something rich, and strange:
Sea-Nimphs hourly ring his knell
Harke now I heare them, ding-dong bell.

The Tempest, I.ii.460-68



transforming the pedagogy...?

Invitation to contribute to two book series:

- 1. Digital Games and Learning, eds Sara de Freitas & Paul Maharg, Routledge. 10 books, five years
- 2. Emerging Legal Learning, eds Paul Maharg, Caroline Maughan, Elizabeth Mertz, Ashgate Publishing. At least 9 books, three years.



iPad links

- iPadLawyer blog: http://ipadlawyer.co.uk/
- The Hytech Lawyer: http://hytechlawyer.com/?category_name=lawyer-ipad-apps
- TabletLegal: http://www.tabletlegal.com/lawyer-ipad-apps-intro/
- Mobile apps for law students: http://law.uakron.libguides.com/mobileapps
- ▶ Sui Generis a New York law blog: http://nylawblog.typepad.com/suigeneris/2011/04/ipad-apps-forlawyers.html
- Legal iPad: http://legal-ipad.com/
- the chetson firm, pllc: http://legal-ipad.com/
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 - http://press.eversheds.com/content/Detail.aspx?ReleaseID=1805 &NewsAreaID=2



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Simshare: http://www.simshare.org.uk

Slideshare: http://www.slideshare.net/paulmaharg

Acknowledgements

Thanks to:

- Reynolds, R. (March 2011) Digital Textbooks Reading the Tipping Point in US Higher Education: A Revised Five-Year Forecast. Accessible at: http://info.xplana.com/report/pdf/

Xplana_Whitepaper_2011.pdf.

- A collection of PLE diagrams, http://edtechpost.wikispaces.com/PLE+Diagrams

- Jonathan Kantor, White Paper Company, for slide XX -

http://www.whitepapercompany.com/blog/?p=4895

