Hybrid Learning and the Liberal Arts

Due to a shortage of robots, some of our staff are human and therefore react unpredictably when abused or under pressure.
Five parts

1. Intro
2. Technology
3. Open
4. Demography
5. Details
The arc

1. Traditional higher education
2. Online learning
3. Hybrid learning
Synthesis

- Intentional use of digital technology in the liberal arts class
- Bryn Mawr experiments

Higher Education in the Digital Age
William G. Bowen
Shift to video

Ongoing digitization

Rich media
Ecommerce

Pinterest’s popularity as a sharing destination was most evident on eCommerce sites and apps, where it continued to lead all social networks in shares. Pinterest recently released APIs that will allow businesses to showcase their most popular pins on their own websites and mobile apps, a new development that could help Pinterest increase its lead in ecommerce sharing in particular.

Media/Publishing

While Facebook maintained its lead as the top social network for sharing on Media and Publishing web properties, its lead shrank considerably in Q3, while Twitter and Pinterest continued making significant strides.
My Dad died from cancer at the age of 44. We were still paying off his law school loans. We are the 99%.
Changes in smartphone ownership, 2011–2013
% of all U.S. adults who own...

Source: Pew Research Center’s Internet & American Life Project April 26-May 22, 2011, January 20-February 19, 2012, and April 17-May 19, 2013 tracking surveys. For 2013 data, n=2,252 adults and survey includes 1,127 cell phone interviews. All surveys include Spanish-language interviews.
"PCs are going to be like trucks," Jobs said. "They are still going to be around." However, he said, only "one out of x people will need them."

Design for mobile *first*

### Tablet and e-reader ownership

% of Americans ages 16+ who own e-book readers, tablet computers, and at least one of those devices

<table>
<thead>
<tr>
<th></th>
<th>May-10</th>
<th>May-11</th>
<th>Dec-11</th>
<th>Nov-12</th>
<th>Sep-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-book reader</td>
<td>4%</td>
<td>3%</td>
<td>8%</td>
<td>10%</td>
<td>12%</td>
</tr>
<tr>
<td>Tablet</td>
<td>10%</td>
<td>10%</td>
<td>25%</td>
<td>35%</td>
<td>43%</td>
</tr>
<tr>
<td>Has either tablet or e-book reader</td>
<td>4%</td>
<td>6%</td>
<td>17%</td>
<td>18%</td>
<td>33%</td>
</tr>
</tbody>
</table>

Source: Most recent findings come from Pew Research Center Internet Project Library User survey. July 18-September 20, 2013. N= 6,224 Americans ages 16 and older. Interviews were conducted in English and Spanish and on landline and cell phones. Margin of error is +/- 1.4 percentage points for the total sample.

Note: The 2010 and 2011 surveys were conducted among those ages 18 and older.
- 29% clipped onto clothing
- 28% clipped on wrist
- 18% clipped on shoe
- 15% embedded into clothing
- 12% earbuds/headphones
- 12% glasses
- 12% embedded in jewelry
- 10% upper arm
- 6% around chest
- 4% contact lenses
- 3% tattooed on skin
The growth of open

“Open education is about sharing, reducing barriers and increasing access in education. It includes free and open access to platforms, tools and resources in education (such as learning materials, course materials, videos of lectures, assessment tools, research, study groups, textbooks, etc.)...”
“...Open education seeks to create a world in which the desire to learn is fully met by the opportunity to do so, where everyone, everywhere is able to access affordable, educationally and culturally appropriate opportunities to gain whatever knowledge or training they desire.”

The Moon and Sixpence (version 2)

by W. Somerset Maugham (1874 – 1965)

The Moon and Sixpence is a 1919 short novel by William Somerset Maugham based on the life of the painter Paul Gauguin. The story is told in episodic form by the first-person narrator as a series of glimpses into the mind and soul of the central character, Charles Strickland, a middle-aged English stock broker who abandons his wife and children abruptly to pursue his desire to become an artist.

- Gutenberg e-text
- Wikipedia – W. Somerset Maugham
- Wikipedia – The Moon and Sixpence
- LibriVox’s The Moon and Sixpence Internet Archive page
- Zip file of the entire book 212 MB
- RSS feed · Subscribe in iTunes

Total running time: 7:42:10
In addition to the readers, this audio book was produced by:
Book Coordinator: Barry Eads
Dedicated Proof-Listener: Joy Easton
Meta-Cordinator/Cataloging: James Christopher

LibriVox Forum Page

mp3 and ogg files

- 01 – Chapter 1 – 00:15:27  
  [mp3@64kbps - 7.4MB]  
  [mp3@128kbps - 14.8MB]  
  [ogg vorbis - 11MB]
  Read by: Chip

- 02 – Chapters 2 and 3 – 00:14:07  
  [mp3@64kbps - 6.7MB]  
  [mp3@128kbps - 13.5MB]

Open...

- Educational resources (OER)
- Courseware (OCW)
- Courses (MOOC)
- Teaching
# MOOCs

<table>
<thead>
<tr>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>Potential Future Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Connectivist branch MOOC (Siemens, Downs, Cormier, Groom, et al.)</td>
<td></td>
<td></td>
<td>Revenue Models</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Credentialing, Badges or Accreditation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Udemy (starting in 2010)</td>
<td></td>
<td></td>
<td>Course Completion Rate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Student Authentication</td>
</tr>
<tr>
<td>CCK08</td>
<td>ds106</td>
<td></td>
<td>LAK11</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stanford branch of MOOCs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MIT OpenCourseWare (starting in 2002)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MITx (MIT) 6.002x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>edX (Harvard and MIT)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Open...

- learning tools (Moodle)
- Assessment (badges)
- access scholarly communication
- learners
- universities
Why open?

- Cost and flexibility
- Improving content, learning
- Outreach and visibility
- Participate in innovation
[1] Course Continuous Improvement
- Technology
- Learning activities
- Learning objectives
- Program curriculum map

[2] Personal Learning Network
- Discovery
- Exploration
- Practices
- Sharing
- Benchmarking

[3] Faculty Professional Development
- Assessment strategy
- Conversations
- OER co-construction
Open and liberal education

- Early adopter phase
- Ex: OA - Trinity, Oberlin, Bucknell, Hope
- Why not mainstream?
  - Awareness
  - Less cost pressure
  - Wrong scale
Demographic contexts

- distance learning grows
- rise of the net generation
You are the first class of the ‘Net Generation’ or if you prefer – The Networked Generation.

You breathe bits of information as easily as my generation breathes air.

As members of the Net Generation, you are entering a world that needs you...."
“... But be aware that much of this world will find your ways of working, learning and socializing quite bizarre. You are digital natives. We – the grey beards, the baby boomers and the gen X-ers – are digital immigrants and our practices will need to evolve rapidly to keep up with yours.”

John Seely-Brown
University of Michigan commencement, 2005

(http://www.johnseelybrown.com/UM05.pdf)
“[R]esearchers Ian Jukes and Anita Dosaj refer to this disconnect as the result of poor communication between “digital natives,” today’s students and “digital immigrants,” many adults. These parents and educators, the digital immigrants, speak DSL, digital as a second language.”

Apple web page
“In the case of the "digital generation," the class, ethnic, and geographic biases could not be more obvious...

Even at elite universities, many are not rich enough to be all that digital. Like the rest of us, they will use a tool if the tool works for them and they can afford it. If not, then not.”

Siva Vaidhyanathan, University of Virginia, December 2007

Enrollment decline?

Figure 1: Percent Change from Previous Year, Enrollment by Sector (Title IV, Degree-Granting Institutions)
At School
Blended learning in practice

- Migrate presentations out of class
  - Video, audio, other multimedia
  - Produce or use
  - Turn video into text
  - Audio sped up
Blended learning in practice

- Increase in-class activities
  - Discussion
  - Hands-on work
  - Small group work
- Re-integrate
Advantages

- Increased classroom engagement
- Better use of digital tools
- Best of both worlds
Advantages

- Possible democratic goods via open
- Quick research turnaround contributes to class
- Quick assessment aids learning
Challenges

- Disaggregation of instructor and content
  - Politics + labor
  - “ + content
  - Video as prep for f2f
  - Wanting to add content on the fly

- Tech challenges
  - Quality – no peer review
  - Video privileged
Challenges

- Reification, stasis of content
- Already being done in the humanities
- Change student expectation
- Sustainability of open
What next?

- Increasing, unremarked growth
- Possible backlash
- Decline of term
- Automation
Email: bryan.alexander@gmail.com

Web: http://bryanalexander.org