Masterclass #3: We're Going Mobile... Around the Global
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January 23, 2011
As the Web Goes Mobile, Colleges Fall to Keep Up,
Chronicle of Higher Ed, Josh Keller
http://chronicle.com/articles/Colleges-Struggle-to-Keep-Up/121761/1

"I used it to sign up for classes. I used it to check e-mails," says Laura Patterson, a junior at Nevada State College, about her iPhone. "I used it all the time, for everything." More than 40 percent of all college students, like Nevada State's Laura Patterson, used mobile devices to get on the Internet every day last year, compared with 10 percent in 2008.

March 13, 2011
iPads Could Hinder Teaching, Professors Say
Chronicle of HE, Ben Wieder

At Pepperdine U. Timothy Lucas, an assistant professor of mathematics, shows a class how to use iPads for calculus. Linda Johnson, an assistant professor of biology at Chatham U., for her plant-physiology

March/April 2011
Educause Review Mobile Devices,
Jim Davis and Rosemary A. Rocchio

"Mobile use of the Internet is on target to surpass fixed use by 2014. Three-fourths of all college/university students have purchased or intend to purchase an Internet-enabled handheld device within the next year. The smartphone market is changing almost monthly."

May 13, 2011
The Digital Campus
The Chronicle of HE
http://chronicle.com/articles/Info-Tech-on-Campuses/127489/

Most Students Own Laptops

<table>
<thead>
<tr>
<th>Device</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktop</td>
<td>3%</td>
</tr>
<tr>
<td>Laptop computer</td>
<td>13%</td>
</tr>
<tr>
<td>Notebook computer</td>
<td>46%</td>
</tr>
<tr>
<td>Tablet computer</td>
<td>63%</td>
</tr>
<tr>
<td>Smartphone</td>
<td>84%</td>
</tr>
</tbody>
</table>

August 2011
Seeds for Empowerment in Argentina
http://chronicle.com/articles/Colleges-Struggle-to-Keep-Up/121761/1
October 3, 2011
MCCSC 6th-graders to get iPads, Herald Times, Bethany Nolan

October 5, 2011
Apple unveils iPhone 4S, USA Today

October 28, 2011
Polar Bear Cams

November 2011
AERA Journals Go Mobile (e.g., Ed Researcher)

February 2012
Smartphones: Teaching or Brain Candy?, Campus Technology

Alex in Dar es Salaam
February 14, 2012
Per Paul Kim, Director, Seeds for Empowerment: "Children in Njombe, Tanzania learning English with mobile videos and writing stories. (Mobile Task Based Learning Workshop - Seeds of Empowerment). No electricity for 3 straight days, but we keep going!"

Mobile Exercise Learning

We are becoming increasingly mobile learners?

The Evolution of Smartphones
Will expert advice (and happiness) be a button away? (e.g., Live Happy Practitioner Directory)

Kakaotalk
http://www.kakao.com/talk/en

Museum of London's Streetmuseum App Puts Historic Photos in Perspective
Written by Chris Cowen, June 1, 2010

"Hundred of images from the Museum of London's extensive collections showcase both everyday and momentous occasions in London's history, from the Great Fire of 1666 to the swinging sixties."

Constant Text Messaging

Barnes & Noble, Color Nook

June 9, 2010

TwitterPeek:
Restricted to Twitter.

WikiReader:
Updating can be a pain.
Do we need laptops anymore?

We Are Going Mobile!
(e.g., iPhone, low cost wireless devices)
15m people/month India
40,000/week Rwanda
60,000 earthlings/hour
(per Paul Kim, Stanford, 2009; Nokia Research Lab

The Slow-Motion Mobile Campus

ABILENE CHRISTIAN UNIVERSITY
"In 2006, the Texas university was the first to give all new students their choice of an iPhone or an iPod Touch. William J. Rankin, an associate professor of English who helps lead the project, says 85 percent of faculty members report using the devices in the classroom at least once a week. Such efforts have to be about fundamentally rethinking the way we do teaching and learning," Mr. Rankin says. "If it’s just about giving out a device, it’s not going to last. It can’t be a marketing initiative or a recruiting initiative."

Judy Brown
Your Learners ARE Mobile: Is Your Learning?
http://www.slideshare.net/yourlearnersaremobileisinlearning/2468556

Tomi Ahonen Almanac 2010
- 4.5 billion subscriptions - 66% of planet
- 3.4 billion unique users - half the planet
- 1.2 billion PC's (including smartphones)
- 3x as many cameras around as are today
- more than any kind of stand-alone camera, digital or film based - ever manufactured
- 1.17 billion handsets sold last year
- contains 270 million new PCs
- More internet users on mobile than an internet home

Military Mobile Learning (See: the U.S. Army Learning Concept for 2015; 2011, January 15).
http://www.youtube.com/watch?v=56D9841L4s (4.26 minutes)

College tech ‘catching up’ with students
Kathleen Gray & Robin Erb, USA TODAY, October 5, 2009
Abilene Christian University: ...about 2,800 students and 70% of the 250 professors use the Apple technology for instructional purposes.
- Art students use app to draft sketch and send it to the teacher and other students for advice before starting the real art pieces.
- A drama teacher takes video of the lead dancer in a production and sends that along to other students for rehearsal.
The Slow-Motion Mobile Campus

DUKE UNIVERSITY
Duke gave iPads to all incoming students in 2004 but scaled back the program two years later. Tracy Futhey, chief information officer, says campus officials are now focusing on improving Duke’s mobile application and making existing campus data available on new platforms.

SETON HILL UNIVERSITY
The Greensburg, Pa., university has drawn widespread press coverage since it gave iPads and MacBook Pros to all full-time incoming students last fall. Students pay a $500 technology fee each semester. JoAnne W. Boyle, Seton Hill’s president, calls the iPad a “magical device” that could be a “transformative learning tool on campus.”

SETON HILL UNIVERSITY
April 10, 2010: Seton Hill University, 2,100 students an iPad and freshmen a 13-inch MacBook laptop.

Some Ideas from Educause Review
March/April 2011, Scott Perkins and Michael Casdorph, Georgia Health Sciences University, “The Digital Swiss Army Knife”

1. Attendance
2. Class roster
3. Class assignment due dates
4. Course calendar
5. Deliver course videos
6. Digital flashcards
7. Course blogging
8. Internet searching

Some Ideas from Educause Review
March/April 2011, Scott Perkins and Michael Casdorph, Georgia Health Sciences University, “The Digital Swiss Army Knife”

Perkins: “I think that mobility makes it a little less important for us to work on mastery of content during those class minutes.”

Top Smartphone Apps to Improve Teaching, Research, and Your Life
By Jeffrey R. Young, January 2, 2011, Chronicle of HE

1. Taking Attendance (David M. Reed, a computer-science professor at Capital U.). Calling roll may not seem like an activity that needs an upgrade..."I used to use a piece of paper," he said. "What would happen is invariably I would lose that piece of paper halfway through the semester."
2. Collecting Data
A professor at the University of California at Davis is asking drivers to help him with his research on roadkill by logging any dead squirrels, prairie, or other critters they see along the highway...the research team built an iPhone app to let citizens who participate at the scene, it's more convenient, and it gives the researchers better data, because a phone's GPS feature can send along exact location coordinates (and the app encourages users to take a picture with the phone's camera).

3. Reading Scholarly Articles
"Instead of clipping print when saving an article for later reading, many professors now send the document to their phone or tablet computer. These I read with cited references designed for the task, though Dropbox was cited most frequently. The commercial app is available for iPhones, iPads, and for smartphones or tablets running Google's Android operating system. David Terry, an associate professor of emergent media and communications at the University of Texas at Dallas, said he uses Dropbox for both scholarly reading and managing track of documents for the courses he teaches." *(For syllabus storage and deadlines)*

4. Recording Notes
Aaron Delbridge, an associate professor of communication at Trinity, of course uses the camera built into his Android phone to take pictures of his whiteboard before he leaves it. When he breaks the class into groups for a project, the photos remind him who was on each team and what they came up with. High-end whiteboards offer a function to print out or e-mail their contents, but some professors say their phone cameras do just as well.

5. Using Textbook Tools
Cellphone screens are tiny...CourseSmart, a company that sells electronic versions of textbooks from major publishers, offers a free iPhone app to read books purchased through its service. It may not be ideal for long reading sessions, but it could be a handy way for professors to look over the material to remember what their students are reading.

6. Planning Lectures
Brainstorming for classroom talks has gone high-tech with "mind mapping" software that encourages arranging thoughts and ideas in nonlinear diagrams...the touch-screen interface of smartphones or tablet computers enhances the process, letting scholars toss around ideas with a flick of the finger. Gerald C. Garmo, director of mobile learning at Miami University, in Ohio, recommends Thinking Space for Android devices, MindManager for the iPhone, and Popplet for the iPad. Mr. Delbridge, of Trinity University, likes MindJet. "It's great when organizing papers or projects ideas," he said.

7. Multimedia study guides on the go...
A cellphone screen may seem too small to use as a study aid. But then again, those screens are about the same size as standard 3 by 5 index cards, an age-old format for flashcards. So the space can be just right when it's time to cram for a test. Unlike paper flashcards, though, a smartphone can display video clips, audio, and interactive features that go far beyond flipping a card over to see an answer.
8. Medical Training

- iPads in Medical Training: Videos of Procedures
  - Stanford's School of Medicine lent iPads to all new students. Medical students spend most of their third and fourth years in hospitals, working with patients...can watch a video in the hospital showing how to conduct a complex procedure right before they are about to perform it. In an emergency, they can pull up a cheat sheet on an iPad showing the steps they should follow.

- Top Smartphone Apps to Improve Teaching, Research, and Your Life
  By Jeffrey B. Young, January 2, 2011, Chronicle of HE
  Peter H. Abrahams, a professor of clinical anatomy at the University of Warwick, in England, recently released a video reference—manual app called Aspects of Anatomy for the iPhone. The software quizzes students by presenting them with medical scenarios, and asks them to name the relevant body part...It includes 38 short films of Dr. Abrahams guiding viewers through anatomical models of human organs.

9. Clickers/Student Response Systems

- Top Smartphone Apps to Improve Teaching, Research, and Your Life
  By Jeffrey B. Young, January 2, 2011, Chronicle of HE
  Professors at the mobile-device summit at Abilene Christian stressed that more study needs to be done on whether these services improve education and are worth the cost. Some research done at Abilene Christian on the clicker application, for instance, showed that while students liked the ability to take quizzes by phone, their grades did not improve compared with those of a control group that did not use the clicker approach.

10. Mobile Dictionaries

- (September 2010, Chronicle of HE)

11. Language Training

- (October 27, 2011)

1. In class say “I am not sure, look it up.”
2. Have students tweet on class activities.
3. Have students text each other during class.
4. Have students take pics with phone to document cameras in their daily life, share those photos with each other, and make a map of all the cameras (http://cameras everywhere.us/)


14. Military Mobile Learning (See the U.S. Army Learning Concept for 2015; 2011, January 15) http://www.youtube.com/watch?v=NO/ge8Y63-A&feature=related

15. Discounts for Attending Classes The Slow-Motion Mobile Campus


- Stanford University: Weston McBride (right) and Andrew Belley created an iPhone application that rewards students for attending class. Students with better attendance records will receive cheaper campus meals, and eventually discounts on bigger-ticket items like student loans and car insurance. The application, which is supported by Stanford, verifies attendance by checking students’ GPS locations when they check in to class.

Global Mobile Internet Coverage
(source: Dr. Paul Kim, Stanford)
Pushing Mobile Around the Global...

Seeds of Empowerment, India, Paul Kim, Stanford
Seeds of Empowerment, India, Paul Kim, Stanford

West Bank, Palestine

Powering the device on bicycle
PocketSchool on Two Wheels

Stories about love, forgiving, unity, peace, reality in Africa

Seeds of Empowerment
"Kids have grown up their whole lives with computers, but they need to be taught how to harness the technology for education," says Mitchell Saleme, principal of the Master's Academy in Florida.

1. For Intervention.

"I put those few students on the iPad app, which gave them the opportunity to practice and then to test themselves. It kept track of their scores and showed their improvement. I've had students beg me to allow them to practice their facts under normal circumstances, what fifth grader do you [who] wants to practice their facts? I'll take it! Each student has showed improvement in the quick recall of facts, and they want to. It can't get much better than that."

2. For Enrichment.

"Apps like Penultimate keep track of notes that I take on students. In my RTI group, I take pictures of the work kids have done and put it into a file with their name on it, and notes for future teaching."

"The 2Do app helps me organize groups that I'm working with during class, and what we're doing that day. I assign due dates and they stay on track. Then, I know if someone is absent because they're shown as overdue."
"TeacherPal helps me make my seating chart without erasing every quarter."

3. For assistive technology.
One reader, Eva, said she uses the iPad to help a boy in her classroom who has autism. Supposedly, the iPad was the only tool that could engage him for any length of time with his speech therapist. "Upon first seeing it, he stared at it for a few seconds then reached for it," she explained. "We gave him the iPad and he immediately started mimicking us by pushing all the right buttons to see the interactive app. We love it so much that his mother, with the help of a therapist, wrote a mini-grant to one of the local organizations so that he could have one of his own."

4. For digital literacy.
Every one of the 270 students at the Master's Academy in Oviedo, Fla., will receive a school-issued iPad next school year...The Christian school is paying for the iPads, because school officials hope to teach students to "engage the digital world productively," said Mitchell Selerno, the high school's principal, in an interview with the Orlando Sentinel. School officials hope to give students the skills expected of them both in college and in the workplace. The iPads will not replace all textbooks, but they will allow students to do much of their school work online, reduce reliance on paper, and give teenagers access to resources not available in class.

5. For organizing resources—and for reading.
"The way I create folders on my classroom iPad is by organizing them with a student focus in mind. For example, I created folders labeled 'Free Write' and 'Free Math' so students know what they are allowed to use when they are finished with their writing or math assignment," he explains. "I also create specific folders for lessons or units of study. The folder labeled 'Earth' on our classroom iPad was created for small group instruction or extra practice for students who need additional work in earth science.

Mr. Barrett's iPad
http://cvipads.wordpress.com/ipad-organization/

Beau Barrett, a teacher at Crestview Elementary School, writes on his blog how to organize the iPad's various resources for classroom use with students, and the teacher, in mind. (You can see screenshots and read more about Barrett's iPad use on his blog.)
Where are we headed?

Life in the Cloud...

Smaller, thinner, lighter, and cheaper devices

Share Your Top Ten Lists:
1. How you are using mobile.
2. How you might use mobile.

Final Poll: Is your brain mush?
1. Yes.
2. No.
3. Not sure yet...

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/