We’re Going Mobile...
Apps, Activities, and Adventures
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Global Mobile Internet Coverage
(source: Dr. Paul Kim, Stanford)

The world’s hottest smartphones, CNN,
September 20, 2012

Poll #1:
Do you have own smartphone?
A. Yes, one
B. Yes, two or more
C. No, none

October 6, 2012
In defense of my stupidphone, CNN,
Jessica Ravitz

September 10, 2012
CNN Radio
How mobile tech affects the family
Have smartphones killed boredom?
Seven ways mobile phones have changed lives in Africa, CNN, Stephanie Busari, September 14, 2012

Cell phone culture: How cultural differences affect mobile use, CNN, Naomi Canton, September 28, 2012

Poll #2: Do use the Internet when on a plane, train, or when in the airport?


Rate Of Change
- 1.4 M PCs worldwide - 1.4 M mobile phones worldwide
- By 2016 there will be approximately 7.3 billion people on earth – and 10 billion mobile connected devices (Cisco)
- It took [China’s] most popular social network (Sina) 4.5 years to move from 14% to 85% mobile traffic [Forbes Perkins]
- October 2011: 1.1 billion page views on The Weather Channel and 1.3 billion on mobile
- At the start of 2009: 13% using Facebook on mobile - just over 2.5 years later over 50% (TechCrunch)

Mobile Internet Usage

Percent of American cell phone owners who use their phones to access the Internet, 2009-2012
Source: Pew Internet & American Life Project
Poll #3: Do you suffer from nomophobia?
March 13, 2011
iPads for Learning

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

SETON HILL UNIVERSITY
April 10, 2010: Seton Hill University, Greensburg, PA, 2,100 students an iPad and freshmen a 13-inch MacBook Pro laptop ($500 student tech fee).

Lessons on iPad
(e.g., ShowMe: http://www.showme.com/)

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

How to turn Wikipedia into an e-book, John D. Sutter

Social Books (e.g., Subtext)
Poll #4:
Which of these mobile ideas might you use?
A. Class roster
B. Course calendar
C. Digital flashcards
D. Course blogging
E. Internet searching

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

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 squirrel, possum, or other critter they see along the highway...the research team built an iPhone app to let citizen-scientists 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).
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4. Recording Notes
Aaron Delwiche, an associate professor of communication at Trinity, often uses the camera built into his Android phone to snap a picture of his whiteboard before he erases 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. Gannod, director of mobile learning at Miami University, in Ohio, recommends Thinking Space for Android devices, MindBlowing for the iPhone, and Popplet for the iPad. Mr. Delwiche, of Trinity University, likes Mindet. "It’s great when organizing papers or project 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
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.

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.

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.
December 16, 2010
Introducing Word Lens
http://www.youtube.com/watch?v=h2OK1x1YNRo

13. Twitter
Some ideas from Educause Review March/April 2011, David Parry, “Teaching Mobile Literacy”
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://cameraseverywhere.us/)

14. Custom News (Zite and Flipboard)
(Personalized Online News and Magazine on iPad, March 9, 2011 and August 10, 2010, USA Today)
http://www.zite.com/
http://www.usatoday.com/printedition/money/20100811/flipboard11_st.art.htm

http://www.youtube.com/watch?v=KD9NGAV3-3k (4:26 minutes)

16. Tutoring and Mentoring
April 7, 2011, Expert Tutors as Mobile Apps (e.g., Tutor.com)

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

Stanford University: Weston McBride (right) and Andrew Bellay 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. (Note: it verifies attendance by checking students’ GPS locations when they check in to class.)
Poll #6: Which of these mobile activities did you like best?
A. Custom News
B. Language Training
C. Mobile Referenceware
D. Mobile Tutoring
E. Twitter

Where are we headed?
Smaller, thinner, lighter, and new interfaces for mobile

May 4, 2012
Flexible displays bend what’s possible for computers, Jon Swartz, USA Today
http://mediagallery.usatoday.com/Photos/screen-displays/3657.A2064
Components of the wrist-worn display prototype developed at HP Labs are shown in this illustration. When completed, the device will incorporate a working flexible display powered by solar cells.

September 4, 2012
The truth about India’s $35 computer
Deccan Herald, Prasanto K. Roy,
http://www.deccanherald.com/content/83738/truth-indias-35-computer.html

June 27, 2012
Google Glass
ABC News, Google I/O Conference: Project Glass Prototype For Sale
http://abcnews.go.com/Technology/google-project-glass-prototypes-offered-google-io-conference/story?id=16663176

May 4, 2012
"Top Gear presenter James May meets his virtual self", BBC
http://news.bbc.co.uk/2/hi/programmes/click_online/9718563.stm

May 8, 2012
"Project Re: Brief | Coca-Cola | Mobile Ad Demo"
http://www.youtube.com/watch?v=45Z-GevoYB8&feature=relmfu

Smartphone of the future will be in your brain, CNN, Stewart Scott-Curran and Tim Lampe, October 6, 2012
http://www.cnn.com/2012/10/05/opinion/curran-lampe-mobile-phones/index.html

Readers: Are we headed for a smartphone zombie apocalypse?, CNN, Nicole Saidi, October 4, 2012

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

Questions and Comments?