

## We're Going Mobile... Apps, Activities, and Adventures

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## Poll #1: Can you hear me ok?

- A. Yes
- B. No



## Poll #2: Can you see me ok?

- A. Yes
- B. No

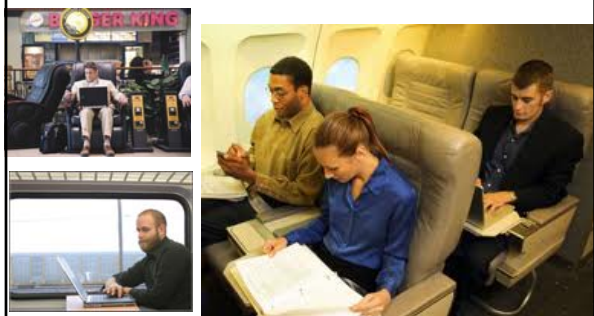


## Poll #3: Do you have a smartphone?

- A. Yes, one
- B. Yes, two or more
- C. No, none



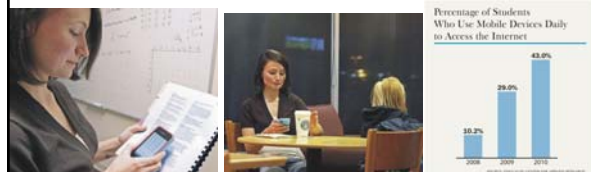
## Are you totally mobile?



### January 23, 2011

As the Web Goes Mobile, Colleges Fail to Keep Up,  
Chronicle of Higher Ed, Josh Keller

<http://chronicle.com/article/Colleges-Search-for-Their/126016/>



"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 for Learning**

MCCSC 6th-graders to get iPads  
 By Debra Nelson  
 October 9, 2011

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

**October 28, 2011**  
**Polar Bear Cams**  
<http://explore.org> <http://www.polarbearsinternational.org/>

**POLAR BEARS INTERNATIONAL**  
 Conservation through research, stewardship, and education

Polar Bears Partnerships Programs Research

**Cameras stream Canadian polar bear migration**  
 Published: October 28, 2011 10:54 AM  
 By The Associated Press. (AP) (AP) (Associated Press)

**June 27, 2012**  
**Remote Animal Streaming**  
 Remote Maine puffin colony up close on HD web cam  
 Clarke Canfield, The Statesman, June 27, 2012  
<http://www.statesman.com/business/technology/remotestreamingpuffincolony-up-close-on-hd-2405257.html>

This still frame from streaming online video, provided by explore.org, the Annenberg Foundation and the National Audubon Society, shows puffins on the shore of Seal Island, Maine, Wednesday, June 27, 2012. The island is the habitat for the largest puffin colony in the U.S.

**June 24, 2012**  
**Primate Intelligence**  
**What Was He Thinking? Study Turns to Ape Intellect**  
 ABC News, SETH BORENSTEIN  
<http://abcnews.go.com/Technology/wireStory/thinking-study-turns-ape-intellect-16638414>

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

**AERA Highlights**

**AERA Journals Go Mobile**

The journals of the American Educational Research Association are now available on websites optimized for mobile devices. The mobile-optimized website went into operation in October and gives users an interface specially designed for the small screens on many phones and other Web-enabled mobile devices.

Features of the mobile site include screen zooming, ColorSync, and anchored full-text content, a mobile-friendly search page, and links among all AERA journals. Full-text articles are available in HTML and PDF format.

The SMEJ Journals Online platform, hosted by Stanford University's HighWire Press, will automatically recognize mobile devices and adjust users to the mobile-optimized site for the desired journal. Each site links through to its full-texted website. If the user prefers, suggested devices include Android phones, BlackBerry phones, the iPad, and the iPhone. Users with iPads, tablets, and other personal computers can access the mobile-optimized site at <http://aerj.aerj.org> but are not automatically directed to them.

AERA members receive complimentary print and online subscriptions to Educational Researcher and one other AERA journal of their choice. Members may purchase additional AERA journal subscriptions as a discount.

For details on how to access our AERA online journals, visit [www.aera.org/journals.htm](http://www.aera.org/journals.htm). For details on how to choose the AERA journals you prefer, visit [www.aera.org/membership.htm](http://www.aera.org/membership.htm).

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

**Smartphones: Teaching Tool or Brain Candy?**  
 As smartphones become ubiquitous, educators debate how to take advantage of their unique strengths for learning while minimizing their disruptive influence.

**Smartphones as Learning Tool**

Smartphones are learning tools, and they can be used to enhance learning. They can be used to access content, communicate, and collaborate. They can be used to create content, and they can be used to share content. They can be used to track progress, and they can be used to provide feedback. They can be used to personalize learning, and they can be used to make learning more engaging.

**BRAIN CANDY**

**May 4, 2012**  
 Flexible displays bend what's possible for computers,  
 Jon Swartz, USA Today  
[http://mediagallery.usatoday.com/Flexible+screen+displays/G3657\\_A12064](http://mediagallery.usatoday.com/Flexible+screen+displays/G3657_A12064)

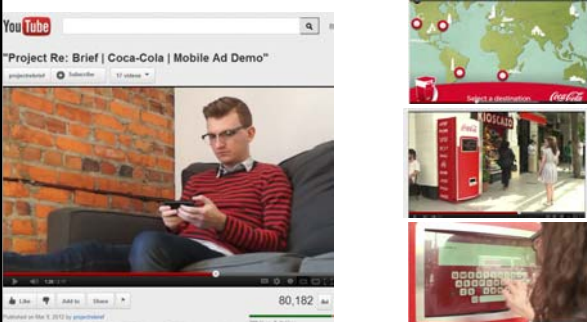


Components of the wrist-worn display prototype developed at HP Labs are shown in this illustration. When completed, the device will incorporate a working flexible display powered by solar cells.

**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](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>

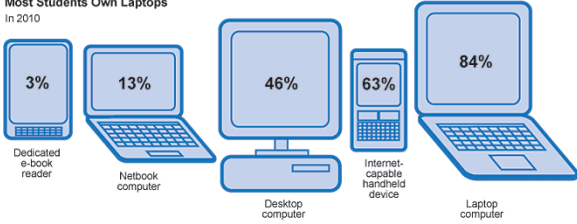


**March/April 2011**  
 Educause Review Mobile Devices,  
 Jim Davis and Rosemary A. Rocchio

"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/article/Info-Tech-on-Campuses/127405/>

Most Students Own Laptops  
 In 2010



Device Type	Percentage
Dedicated e-book reader	3%
Netbook computer	13%
Desktop computer	46%
Internet-capable handheld device	63%
Laptop computer	84%

**Do we need laptops anymore?**



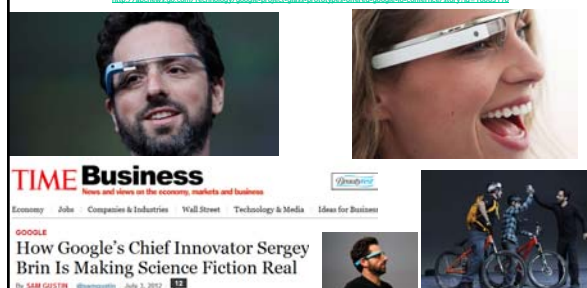
Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012



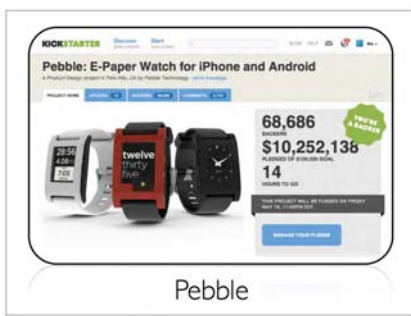
Tablets Gaining On Laptops

June 27, 2012

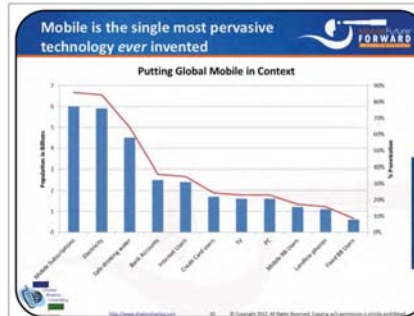
Google Glass  
 ABC News, Google I/O Conference: Project Glass Prototype For Sale



Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012



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**Did You Know...**

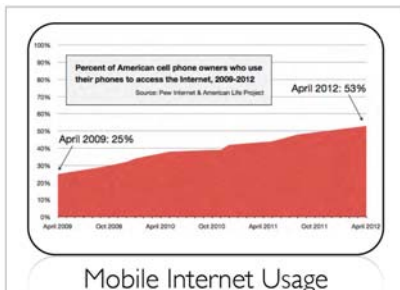
- Mobile is the fastest growing industry ever
- 88% American adults have cellphone, 57% laptop, 19% eBook reader, 19% tablet
- Smartphones are used by 50.4% of US consumers
- Data now over 85% of the mobile traffic in the US
- 66% of organizations are investing in mobile technologies for their employees
- We spend > 1/3 of our time on mobile apps than desktop web
- The average person has cellphone within reach 14 hours a day
- US mobile phone owners pick up device 150x per day
- US smartphones have average 41 apps - up from 32 last year

Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

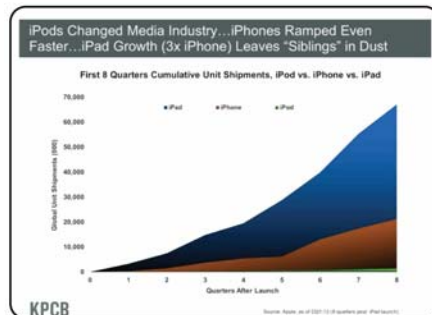
**Rate Of Change**

- 1.4 M PCs worldwide - 1.4 M mobile phones annually
- By 2016 there will be approximately 7.3 billion people on earth -- and 10 billion mobile connected devices [Cisco]
- It took Japan's most popular social network (mixi) 4.5 years to move from 14% to 85% mobile traffic [Kleiner 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]

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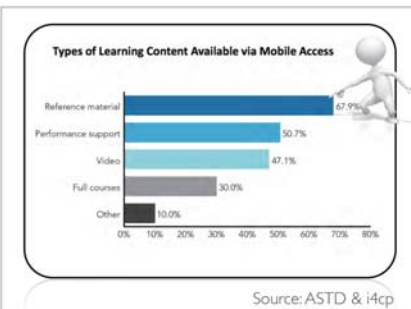


Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

### Here Today

- 360° cameras
- Anticipation
- Augmented reality
- Biometrics
- Charging options
- Face recognition
- Gestures
- Gimbal Geofence
- Language translation
- Location-aware
- M2M
- NFC
- QR codes
- Sensors
- Voice recognition
- Wearable

Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012



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### SEPARATION ANXIETY


- 55% of women would rather leave home without makeup
- 29% of smartphone users would begin to miss their smartphone in less than an hour without it
- 11% of Americans with smartphones would rather leave home without their pants than their phone
- 28% would leave the house without a credit card
- 7% of Americans would begin to miss their smartphone in less than an hour without it
- 11% of Americans with smartphones would rather leave home without their pants than their phone
- 28% would leave the house without a credit card
- 7% of Americans would begin to miss their smartphone in less than an hour without it

THEY THINK THEY COULD GO ABOUT 2 HOURS LONGER THAN WOMEN before they'd begin missing their phone

Nomophobia


**Poll #4:**  
**Do you suffer from nomophobia?**

A. Yes  
B. No




**Poll #5:**  
**Do any of your immediate family members suffer from nomophobia?**

A. Yes  
B. No




**Poll #6:**  
**Do you think Dr. Grace Lin should research nomophobia?**

A. Yes  
B. No



NBC's 2012 London Olympics second screen and streaming apps for Android and iOS launch today  
By Richard Lattin | Updated on 08/29/2012



Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012

	Beijing 2008	London 2012
Smartphones	139.3 million	657 million
Facebook	90 million	901 million
Twitter	< 1 million	300 million
Tweets / day	1.1 million	140 million
Tablets	0	54.8 million
App store downloads	300+ million	25+ billion

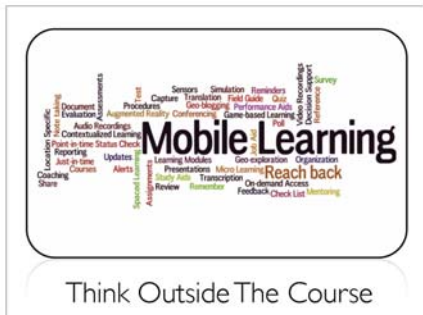
Sources: Nielsen, eMarketer, Forrester, Apple

**Museum of London's Streetmuseum App Puts Historic Photos in Perspective**  
Written by Chris Cameron, June 1, 2010  
"Hundreds 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"

iPhone Screenshots



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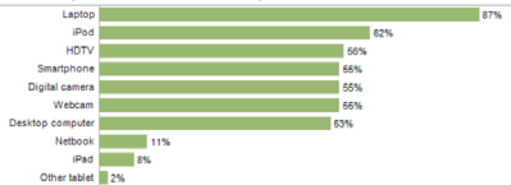


**Digital Tools, Almanac of HE 2012 Chronicle of HE, August 31, 2012**

<http://chronicle.com/article/Almanac-2012-Technology/133769/>

**Student Ownership of High-Tech Devices, 2011**

Laptops are nearly ubiquitous on campuses, and just over half of students own desktop computers. In addition, 8 percent of students had acquired iPads by June 2011, even though the devices had been available for only 14 months at the time of the survey.



Note: Results are from a survey of a nationally representative sample of 3,000 college students from 1,179 institutions, conducted in June 2011.

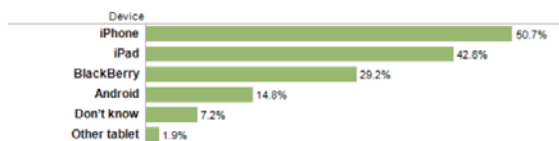
Source: Educause Center for Applied Research

**Digital Tools, Almanac of HE 2012 Chronicle of HE, August 31, 2012**

<http://chronicle.com/article/Almanac-2012-Technology/133769/>

**Use of Mobile Devices by College Presidents, 2011**

Attraction to new technology might seem to skew young, but campus leaders adopted the iPad much more quickly than students did.



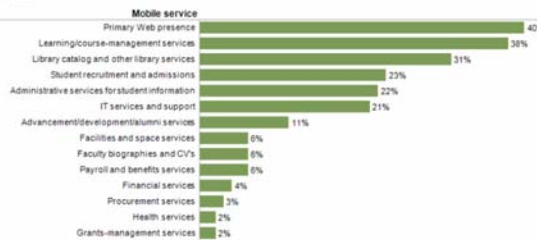
Note: Results are based on responses to a survey conducted in the summer of 2011. Data were gathered from a representative sample of 209 higher-education institutions. Multiple responses were allowed. Source: Educause Center for Applied Research

**Digital Tools, Almanac of HE 2012 Chronicle of HE, August 31, 2012**

<http://chronicle.com/article/Almanac-2012-Technology/133769/>

**Mobile-Enabled Services at Colleges, 2011**

Student-focused services are far more likely to be formatted for mobile phones than are staff-focused services. Hover over bars for detailed data.



Note: Results are based on data gathered from a representative sample of 209 higher-education institutions in the summer of 2011. Source: Educause Center for Applied Research

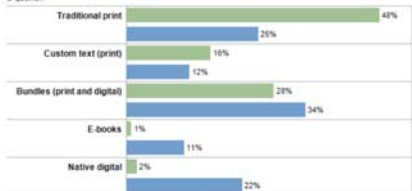
**Digital Tools, Almanac of HE 2012 Chronicle of HE, August 31, 2012**

<http://chronicle.com/article/Almanac-2012-Technology/133769/>

■ 2011-12  
■ Projection for 2016-19

**Share of Revenue for College Bookstores From E-Books and Other Course Materials**

Though e-books represent only a tiny percentage of course-materials sales now, interests expected to grow gradually, and they could represent more than 50 percent of the market in five to seven years. Over the same period, the share of sales held by traditional print texts is expected to shrink from nearly half to a quarter.



Note: Current shares of sales are based on data from more than 840 college bookstores owned by Follett Higher Education Group. Details do not add up to 100 percent because of rounding. Source: Follett Higher Education Group

**College tech 'catching up' with students**

Kathleen Gray & Robin Erb, USA TODAY, October 6, 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

Josh Keller, The Digital Campus, The Chronicle of HE,  
May 8, 2011

#### DUKE UNIVERSITY

Duke gave iPods 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

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).

Josh Keller, The Digital Campus, The Chronicle of HE,  
May 8, 2011

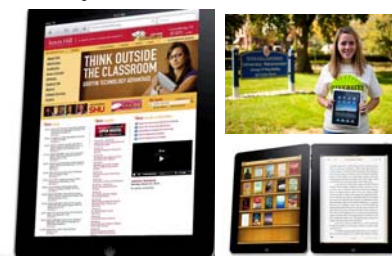
#### An iPad for Everyone

Seton Hill University will give a new Apple iPad to every full-time student in fall 2010.

Reed M. 2010: The Philadelphia side of the university's Seton Hill Technology Advantage Program. The new program provides students with the best in technology and collaborative learning tools, ensuring that Seton Hill students will be ready to enter the workforce, career, or those seven those that have not yet been created.

For more information on the Seton Hill Technology Advantage Program, please visit the website: [www.setonhill.edu/technology](http://www.setonhill.edu/technology)

[Continue to our website](#)



**Some Ideas from Educause Review**  
March/April 2011, Scott Perkins and Michael Casdorff, 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

**Poll #7:**  
**Which of these ideas interests do you the most?**

- A. Class roster
- B. Course calendar
- C. Digital flashcards
- D. Course blogging
- E. Internet searching



**Some Ideas from Educause Review**  
March/April 2011, Scott Perkins and Michael Casdorff, 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."





## Top Smartphone Apps to Improve Teaching, Research, and Your Life

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### 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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### 3. Reading Scholarly Articles

"Instead of clicking print when saving an article for later reading, many professors now send the document to their phone or tablet computer. Those I talked with cited a range of apps 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 Parry, an assistant professor of emergent media and communications at the University of Texas at Dallas, said he uses Dropbox for both scholarly reading and keeping track of documents for the courses he teaches." (for syllabus storage and deadlines)



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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.



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### 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.



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### 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 MindJet. "It's great when organizing papers or project ideas," he said.



## Top Smartphone Apps to Improve Teaching, Research, and Your Life

By Jeffrey R. Young, January 2, 2011, Chronicle of HE

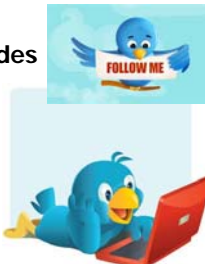
### 7. Multimedia study guides on the go.

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.



### Poll #8: Which of these mobile activities did you like best?

- A. Collect Data
- B. Multimedia Study Guides
- C. Plan Lectures
- D. Record Notes
- E. Take Attendance



### 8. Medical Training



### Top Smartphone Apps to Improve Teaching, Research, and Your Life,

By Jeffrey R. 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




An app called Aspects of Anatomy brings flashcards into the YouTube age. Designed by a professor at the U. of Warwick, in Britain, the software includes three- to seven- minute videos. Medical students can, say, review a dissection of the thorax and upper limb while on a break.

### iPads in Medical Training: Videos of Procedures

The Slow-Motion Mobile Campus, Josh Keller, The Digital Campus, The Chronicle of HE, May 8, 2011

- 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 R. Young, January 2, 2011, Chronicle of HE


#### 9. Clickers/Student Response Systems

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. Mobile Referenceware

August 18, 2011, HowStuffWorks, iPhone App, USA Today, Marc Saltzman

### 12. Language Training

(October 27, 2011)

HAWAII ARMY WEEKLY

Online language training ups the ante on promotion points

### December 16, 2010

#### Introducing Word Lens

<http://www.youtube.com/watch?v=h2OfQdYrHRs>

### 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/>)

### Some Ideas from Educause Review

March/April 2011, David Parry, "Teaching Mobile Literacy"

#### CAMERAS EVERYWHERE

WHO IS WATCHING AND WHERE?

### 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.usatoday.com/printedition/money/20100811/flipboard11_st.art.htm)

**15. Military Mobile Learning** (See: the U.S. Army Learning Concept for 2015; 2011, January 15). <http://www.youtube.com/watch?v=KD9NGAV3-3k> (4:26 minutes)



**Judy Brown, Keynote talk, "Learning in Hand With Mobile Technology," Wisconsin Distance Teaching and Learning Conference, August 10, 2012**

The Army sees mobile computing as a game-changer:

*"Memorizing is less important than referencing information so perishable knowledge (such as infrequently used procedural information) should not be taught in the schoolhouse, but instead converted to applications."* (p.22)

<http://www-tradoc.army.mil/tpubs/pams/tp525-8-2.pdf>

Army Learning Concept 2015

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

tutor.com  
4,112,447 lessons and counting

**Tutor.com To Go™ Releases the First Education App that Connects Students to an Expert Tutor**

NEW YORK, April 7, 2011 - Tutor.com, the largest online tutoring and homework help service, today announced a new series of apps for the Apple® iPhone™, iPad™, and iPod touch™. The apps are designed to enable the service to connect to expert tutors for real-time help on the iPhone, iPod touch or iPad. The mobile app is free to all Tutor.com account holders.

Now, with the introduction of mobile, a significant step has been taken to expand Tutor.com's service. This new series of apps, which are used by more than 10 million students and 100,000 tutors, will bring students to a part of their resources. Tutor.com, according to the latest research, is the largest provider of online tutoring and homework help. Mobile phone users who may have a connection to:

**Tutor.com To Go™**  
for iPhone, iPad & iPod Touch

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

SIGNAL PATTERNS

**Live Happy iPhone Practitioner Directory**

For practitioners, therapists, and coaches interested in reaching a highly engaged audience through an essential mobile technology, iPhone application.

Get included in the Live Happy Practitioner Directory

iPhone Practitioner Directory

Enter to Live Happy

**June 3, 2012**  
**Tutor/Mentor Connection (Chicago)**  
<http://www.tutormentorprogramlocator.net/InteractiveMap.aspx>

T/MC Program Locator

Search this interactive map to find locations of volunteer based tutoring and mentoring programs in the Chicago area.

Results: T/MC program Match Count: 113

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

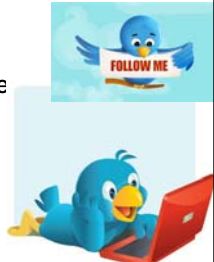
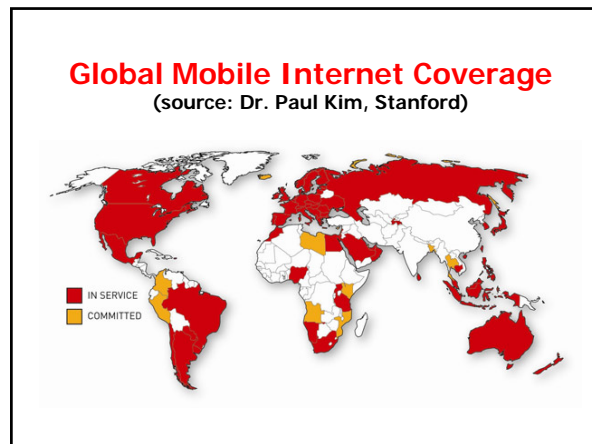
Josh Keller, The Digital Campus, The Chronicle of HE, May 8, 2011

**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. The application, which is supported by Stanford, verifies attendance by checking students' GPS locations when they check in to class.



**Poll #9:**  
**Which of these mobile activities did you like best?**

- A. Custom News
- B. Language Training
- C. Mobile Referenceware
- D. Mobile Tutoring
- E. Twitter

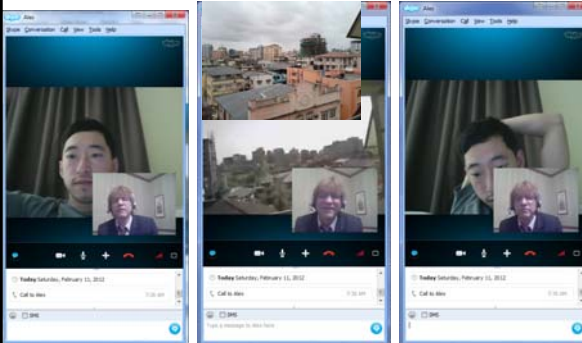
**Pushing Mobile Around the Global...**



**August 2011**  
**Seeds for Empowerment in Argentina**  
<http://tecnologia.profesional.com/notas/120526-Telecom-y-la-cuna-de-Google-y-Yahoo-prueban-smartphones-educativos-en-escuelas-argentinas>



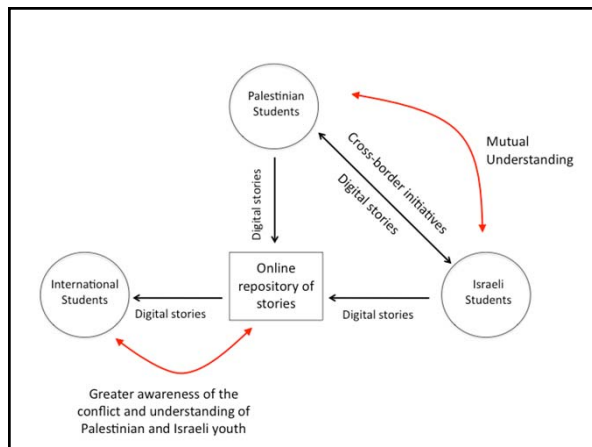
**Alex in Dar es Salaam**



**February 2012**  
**Pocket School and SMILE: Stanford Mobile Inquiry-based Learning Environment**

**February 14, 2012**  
 Per Paul Kim, Director, Seeds for Empowerment: "Children in Newala, 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!!"

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



**Powering the device on bicycle**  
**PocketSchool on Two Wheels**

**5 K-12 Applications**  
 Five ways readers are using iPads in the classroom, eSchool News, May 27, 2011,  
<http://www.eschoolnews.com/2011/05/27/five-ways-readers-are-using-ipads-in-the-classroom/print/>

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

**Five ways readers are using iPads in the classroom**

eSchool News, May 27, 2011

**1. For intervention.**

"I found an app called **Math Drills**, to help students with their math facts. After a school-wide math fact program, there were a certain number of students that still didn't know their addition facts. Essentially, they had trouble with 'at a snap' recall of facts," she explained.



**Five ways readers are using iPads in the classroom**

eSchool News, May 27, 2011

**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 know [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."



**Five ways readers are using iPads in the classroom**

eSchool News, May 27, 2011

**2. For Enrichment.**

"There are several apps out there for the 'smart kids.' I found one for the iPhone, which I use on the iPad, called **Miss Spell's Class**," she said. "It gives students a series of challenging vocabulary words, and they need to decide if it's spelled correctly or incorrectly. **I've seen my gifted kids get so frustrated** (it shows them that they're not always No. 1), and consequently, so proud of themselves because they've finally conquered it. The success is made much sweeter when you have to work for it."



**Five ways readers are using iPads in the classroom (seating charts, 2Do, marking goals)**

eSchool News, May 27, 2011

"**Teacher's Assistant** allows my students on behavior plans to mark their own progress as they meet (or don't meet) their goals. They are responsible for it, and are eager to earn points during the day simply so that they can enter it on the iPad."



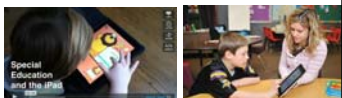
**Five ways readers are using iPads in the classroom**

eSchool News, May 27, 2011

**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."



**Poll #10:  
Which of these mobile activities did you like best?**

- A. Assistive Technology
- B. Digital Literacy
- C. Enrichment
- D. Intervention
- E. Organize Notes



## Where are we headed?



## Life in the Cloud...?

## Smaller, thinner, lighter, and new interfaces for mobile



## Poll #11. How many ideas did you get from this talk?

- A. 0 if I am lucky.
- B. Just 1 or 2.
- C. Do I hear 3-5? 3!!!!
- D. 6-10.
- E. More than 10.

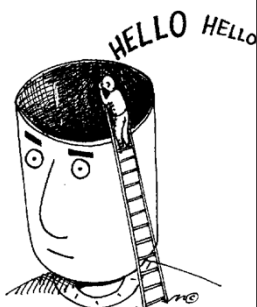


## Poll #12: Is your brain mush?

- 1. Yes.
- 2. No.
- 3. Not sure yet...



Heh... my brain is turning into mush. Gotta take some time off.



Slides at: [TrainingShare.com](http://TrainingShare.com)  
 Papers: [PublicationShare.com](http://PublicationShare.com)  
 Book: <http://worldisopen.com/>

## Questions and Comments?

