

## 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: Have you attended an online learning conference in the past?

- A. Yes, many
- B. Yes, a couple
- C. Yes, one
- D. No, none



## 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 get iPads  
By Anthony 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

### August 2011 Seeds for Empowerment in Argentina

<http://tecnologia.iprofesional.com/notas/120526-Telecom-y-la-cuna-de-Google-y-Yahoo-prueban-smartphones-educativos-en-escuelas-argentinas>



### October 28, 2011 Polar Bear Cams

<http://explore.org>; <http://www.polarbearsinternational.org/>



**Cameras stream Canadian polar bear migration**  
Published October 28, 2011  
By The Associated Press, AP/WIDE WORLD (Associated Press)

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



**Smartphones: Teaching Tool or Brain Candy?**  
An emerging consensus among educators, educators debate how to take advantage of their unique strengths for learning while recognizing their disruptive influence.

### 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)

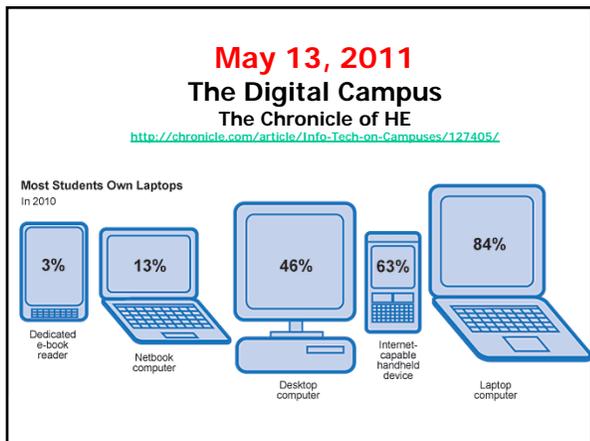


Top Gear presenter James May meets his virtual self

**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."**



NBC's 2012 London Olympics second screen and streaming apps for Android and iOS launch today

**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

**Barnes & Noble, Color Nook**

## Do we need laptops anymore?



## 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.



## The Slow-Motion Mobile Campus

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

### 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."



**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 #4:**  
**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**

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).



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

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

**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)



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

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

**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.



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

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

**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.



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

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

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

- Collect Data
- Multimedia Study Guides
- Plan Lectures
- Record Notes
- 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?

Subscribe to the RSS Feed  
Enter keyword... Search

**The Project**  
Disclaimer: We the Cameras Everywhere group are not responsible for how the information we provide is used in any way or means. Our purpose is strictly informative and is meant to make aware of the invasion of privacy in our lives. Society is being watched, we just want you to know about it.  
[Read more](#)

**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)**

Personalized iPad magazine gets smarter as you use it.

**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)**

**YouTube**  
Testing smart phones in the field  
3,018 videos  
4,974 likes

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

**tutor.com**  
4,912,877 sessions and counting

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

**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** Discover the Best Fit!

**Live Happy iPhone Practitioner Directory**

**Practitioners**  
Cindy Hojnik, PhD  
Jean Freeman, MA, LPAT  
Johnathan Katz, MA, LMFT

**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 programs Match Count: 115

### 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.



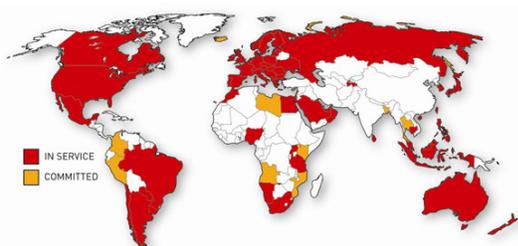
### Poll #6: Which of these mobile activities did you like best?

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

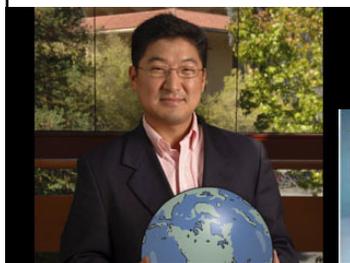


### Global Mobile Internet Coverage

(source: Dr. Paul Kim, Stanford)



### Pushing Mobile Around the Global...



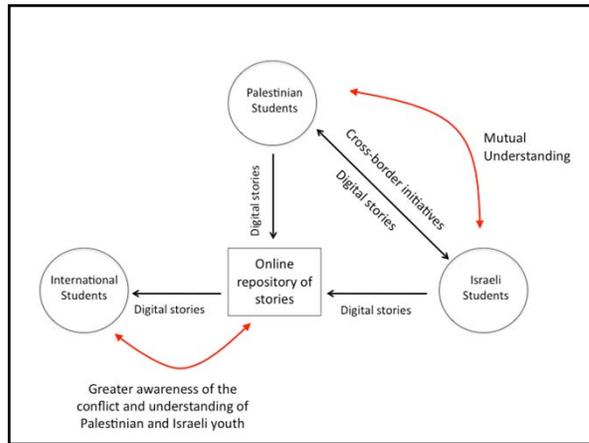
### Alex in Dar es Salaam



**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."

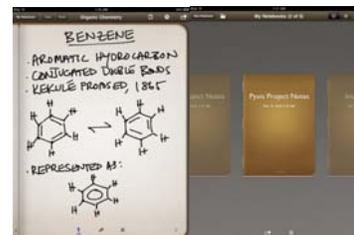


## Five ways readers are using iPads in the classroom

eSchool News, May 27, 2011

### 2. For Enrichment.

"Apps like **Penultimate** keep track of notes that I take on students. In my RTI groups, 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."



## Five ways readers are using iPads in the classroom

eSchool News, May 27, 2011

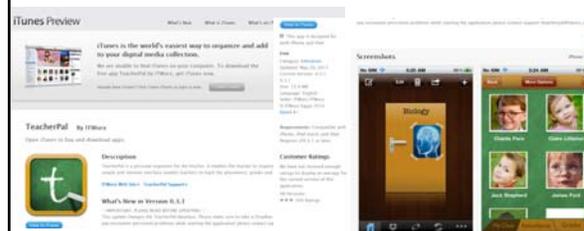
"The **2Do** app helps me organize groups that I'm working with during class, and what we're doing that day. I assign due dates and stay on track. Then, I know if someone is absent because they're shown as overdue."



## Five ways readers are using iPads in the classroom

eSchool News, May 27, 2011

"**TeacherPal** helps me make my seating chart without erasing every quarter."



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

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. Regardless of the motivation, I’ll take it, since I’ve seen an improvement in behavior, especially ... of fifth-grade [students].”



### 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.”



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

eSchool News, May 27, 2011

#### 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 Salerno, 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.



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

eSchool News, May 27, 2011, Beau Barrett, Crestview iPads, <http://cvipads.wordpress.com/>

#### 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 work.”



### Mr. Barrett’s iPad

<http://cvipads.wordpress.com/ipad-organization/>

#### 5. For organizing resources—and for reading.

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.)



### Poll #7:

#### 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 #8. 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.

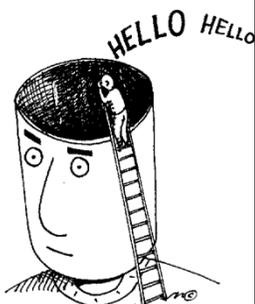


## Poll #9: Is your brain mush?

- 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?

