


Masterclass #3: We're Going Mobile... Around the Global

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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 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

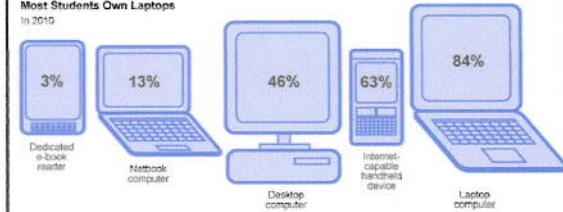
**Educause Review Mobile Devices,
Jim Davis and Rosemmmary A. Rocchio**

"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%

August 2011

**Seeds for Empowerment in Argentina
<http://tecnologia.profesional.com/notas/120528-Telecom-y-la-cuna-de-Google-y-Yahoo-grabaron-smartphones-educativos-en-escuelas-argentinas>**



October 3, 2011 MCCSC 6th-graders to get iPads, Herald Times, Bethany Nolan

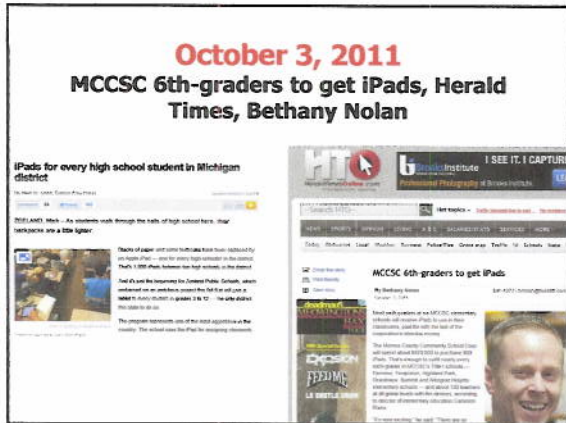
iPads for every high school student in Michigan district

By Bethany Nolan
October 3, 2011

Chairs of paper and some full-size have been replaced by the iPad. ... and for every high schooler in the district. That's 1500 iPads, believe it or not, in the district.

That's one for the teachers to use, plus the iPads, which are used as an archive over the fall. It will also be used as a class set in the iPad. ... the iPad will be used to go on.

The iPad is the most popular of the most popular in the world. The iPad is the most popular in the world.



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

<http://www.usatoday.com/tech/story/2011-10-05/apple-iphone-4s/5067498/1>

Apple unveils iPhone 4S; but no iPhone 5

By Jonathan O'Connell, USA TODAY
October 5, 2011

Apple makes college easier to access

CUPERTINO, Calif. — Apple's new iPhone won't see any design awards. It looks exactly like the old one. And reaction to its debut was mixed, in part because it wasn't the iPhone 5 that was widely anticipated.

But Apple executives insist that the 4S packs a lot of punch and unveiled a host of new features for the phone on Tuesday at Apple headquarters here. In addition, they unveiled the first iPhone app, the 4S, which they unveiled the first iPhone app, the 4S, which they unveiled the first iPhone app, the 4S.



October 28, 2011 Polar Bear Cams

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

Cameras stream Canadian polar bear migration

Published October 28, 2011 10:00 AM
By The Associated Press, AP/WIDE WORLD, Associated Press

explore.com

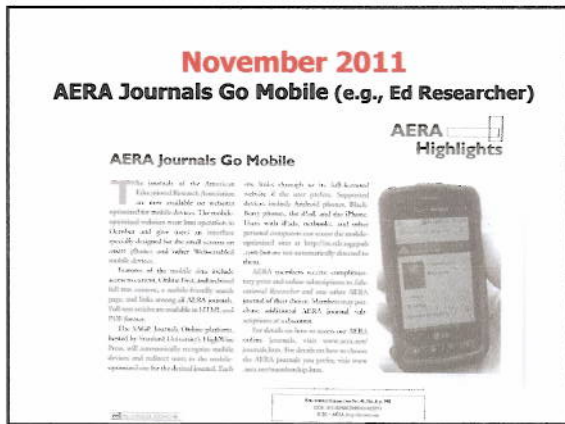


November 2011 AERA Journals Go Mobile (e.g., Ed Researcher)

AERA Journals Go Mobile

Highlights


While inside of the American Educational Research Association, an easy-to-use mobile device is available for researchers. The mobile device is available for researchers. The mobile device is available for researchers. The mobile device is available for researchers.



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

Smartphones: Teaching Tool or Brain Candy?

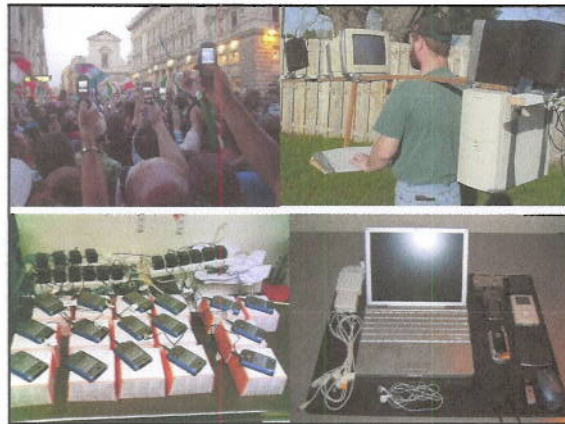
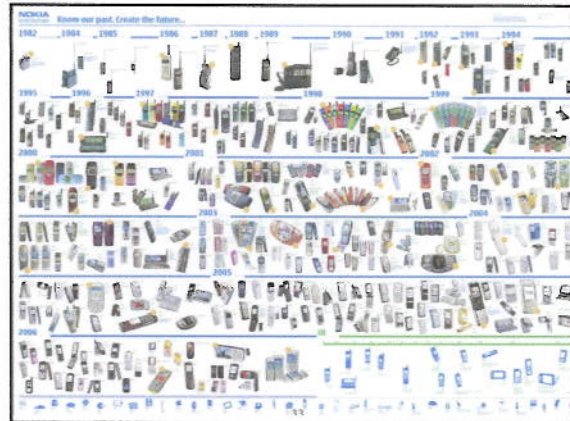

As smartphones become ubiquitous, educators believe there is both advantage of their unique strengths to learning and, concerning their dangers to education.




Alex in Dar es Salaam



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!!"




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)**

The image shows a desktop browser window displaying the 'Live Happy Practitioner Directory' website. To the right of the browser are two smartphone screens. The left phone shows a list of practitioners, and the right phone shows a detailed profile for 'Clayton Hagan, PhD', including his credentials and a photo.

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

KakaoTalk

The advertisement features the KakaoTalk logo and a screenshot of a text message conversation on a smartphone. Below the phone are two buttons: 'Download on the App Store' and 'GET IT ON Google Play'.

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

The image displays two screenshots from the Streetmuseum app. The left screenshot shows a map of London with red pins indicating historical locations. The right screenshot shows a street view of Carnaby Street with a historical photo overlaid on the modern street scene.

Constant Text Messaging

A collage of six images illustrating the use of mobile phones and text messaging. The images show people in various settings: a woman at a laptop, a person holding a phone, a group of people sitting together, and close-ups of hands using mobile devices.

June 9, 2010

Force is with new GPS units

TwitterPeek: Restricted to Twitter.


WikiReader: Updating can be a pain.

The image is a collage of various mobile devices and applications. It includes a GPS unit, a WikiReader device, and several smartphones. Text overlays provide information about these devices and their limitations.

Barnes & Noble, Color Nook

The advertisement shows the Barnes & Noble Color Nook device in several configurations. It is shown as a tablet, a smartphone, and a small device. The text 'BARNES & NOBLE nook' is prominently displayed. The background features a bookstore interior and a man holding the device.

Do we need laptops anymore?



Judy Brown

Your Learners ARE Mobile: Is Your Learning?

<http://www.slideshare.net/judyb/your-learners-are-mobile-is-your-learning-3404505>

Your Learners ARE Mobile. Is Your Learning?

Tomi Ahonen Almanac 2010

- 4.6 billion subscriptions - 68% of planet
- 3.4 billion unique users - half the planet
- 1.2 billion PCs (including notebooks)
- 3x as many camera phones in use today than any kind of stand-alone camera, digital or film-based - ever manufactured
- 1.13 billion handsets sold last year compared to 270 million new PCs
- More internet users on mobile than on personal computers

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
http://news.yahoo.com/s/afp/20090308/bs_afp/indiaeconomytelecom



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)



The Slow-Motion Mobile Campus

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

ABILENE CHRISTIAN UNIVERSITY


"In 2008, 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."

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."



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

An iPad for Everyone

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

March 31, 2010 - The iPad revolution is off to a heady start. Seton Hill University's "Think Outside the Classroom" program, the first of its kind, provides students with the best in technology and software to bring to class, ensuring that Seton Hill students will be among the first to use the iPad in their classrooms.

For more information about the "Think Outside the Classroom" program, please visit the website at www.setonhill.edu/technology.

Continued on next slide.



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

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.

CourseSmart

Are Mobile "Classroom" Apps the Future of Collegiate Learning?



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 Poppet 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.



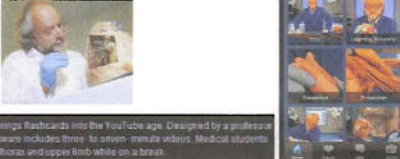
8. Medical Training



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. Language Training (October 27, 2011)

HAWAII ARMY WEEKLY

Online language training ups the ante on promotion points

by October 27, 2011 | 1 Comment



For military professionals, the mobile device, like the iPad, promotes more and better training at the U.S. Army. Call us today. Today's mobile devices are promotion points by using the Army's new mobile device content. Provided by Dr. J. Curtis, Ph.D.

12. 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"



13. 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/story/tech/innovation/2010/08/10/flipboard11_start.htm



14. 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)



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

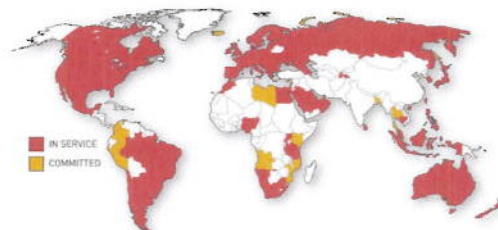
Josh Keller, The Digital Campus, The Chronicle of HE, May 8, 2011

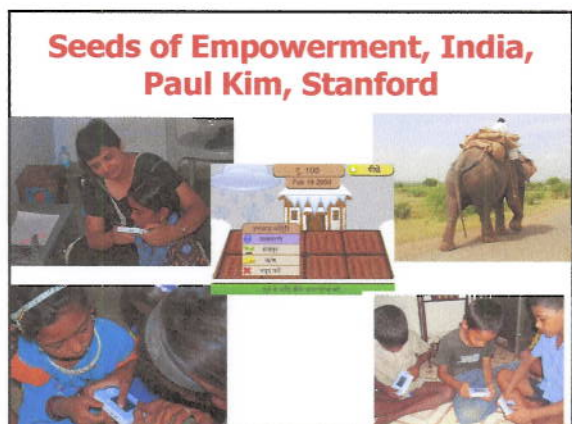
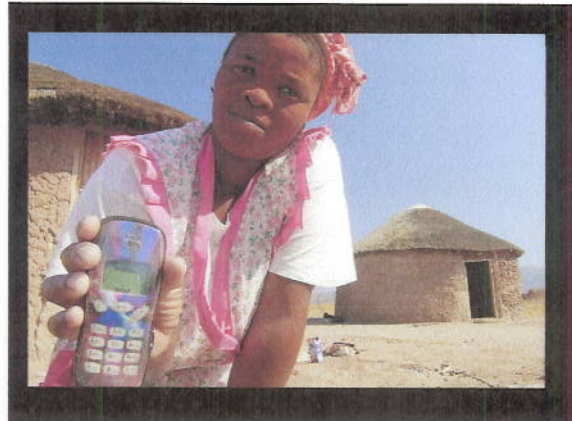
- **Stanford University:** Weston McBride (right) and Andrew Bellay created an iPhone application that rewards students for attending class. Students with better attendance records will receive cheaper campus meals, and eventually discounts on bigger-ticket items like student loans and car insurance.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

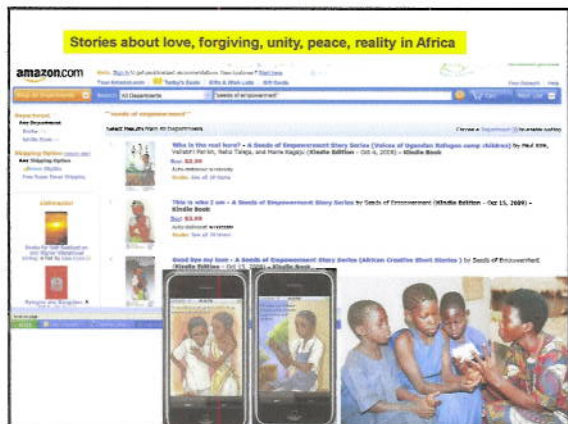
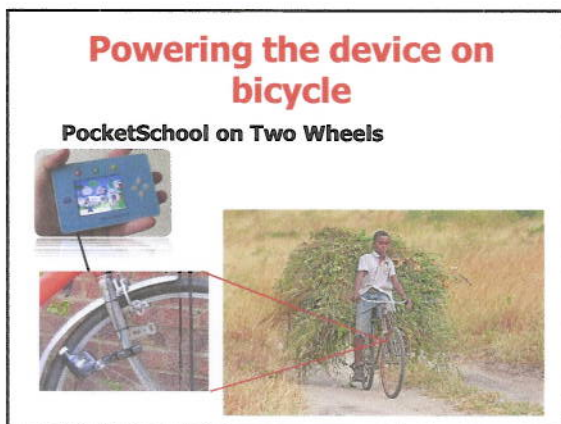
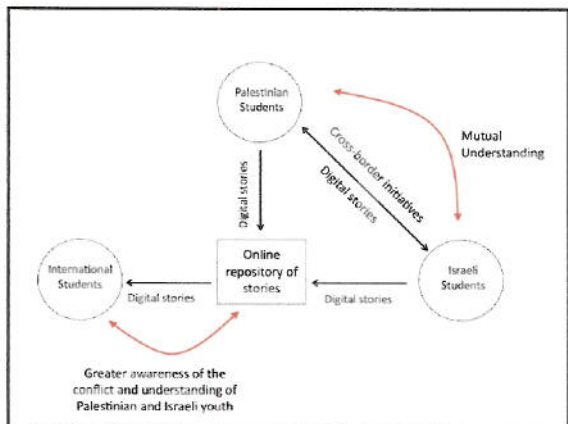
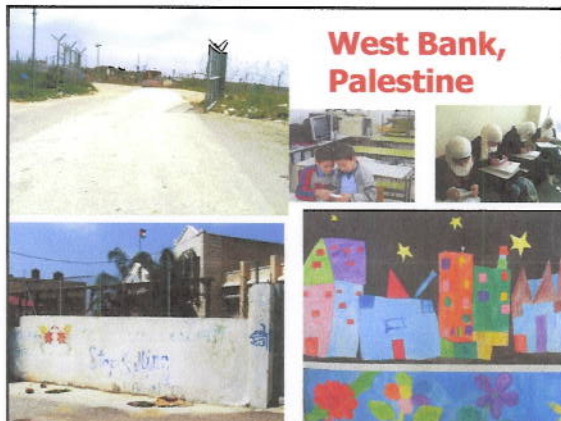
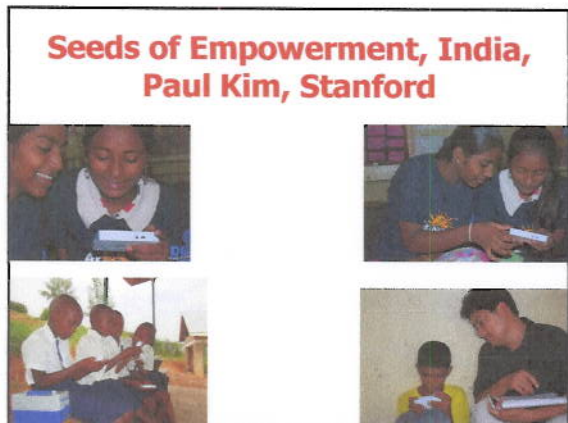


Global Mobile Internet Coverage

(source: Dr. Paul Kim, Stanford)







SEEDS OF EMPOWERMENT

Be a part of the story

Kamukhi Deywara
Consultant Designer for Science (Kenya)

Kamukhi Deywara is continuing her service year at Limba-Bach Central High School. Her interests lie in developing creative and engaging activities to improve conditions in underdeveloped areas, especially for education for underserved children and women's empowerment. She began working with Seeds of Empowerment in the summer of 2010 to develop a nature-based learning curriculum to teach rural students about scientific concepts like diversification and seed power.

Alvin Kiko Kim
Curriculum Designer


Alvin Kim attends Piko Alto High School. He seeks quality education, and he desires that technology of Seeds of Empowerment because he is interested in ideas that are currently unavailable to them.

Alex Bank
Associate Director of Multimedia Design

Alex Bank graduated from Indiana University in 2010 with a BA in Sociology and a Minor in Studio Art. He has worked for IU's Center for Evaluation and Education Policy (CEEP), the IU School of Education, and has recently moved to Chicago, Illinois to pursue a Mastering degree in film and video. Though his interests are far ranging, he has always maintained a particular passion for art, people, and helping those in underdeveloped positions. Ultimately, he wishes to continue his passion to help make a positive difference in as many lives as possible.

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."

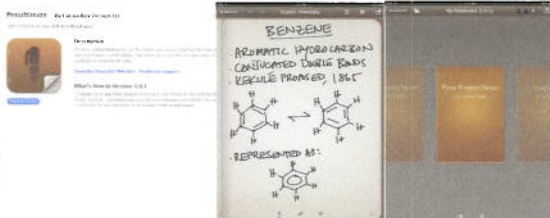


Five ways readers are using iPads in the classroom

eSchool News, May 27, 2011

2. For Enrichment.


"Apps like **Penultimate** keep track of notes that I take on students. In my REI 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 reading."



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

5. For organizing resources—and for reading.

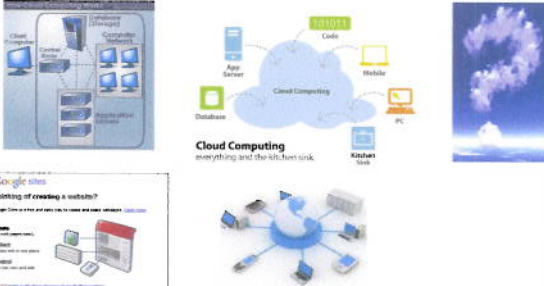
Beau Barrett, a teacher at Crestview Elementary School, writes on his **blog** how to organize the iPad's various resources for classroom use with students, and the teacher, in mind. (You can see screenshots and read more about Barrett's iPad use on his blog.)



Where are we headed?



Life in the Cloud...?




Cloud Computing
everything and the kitchen sink

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/>

