

January 23, 2011 As the Web Goes Mobile, Colleges Fail to Keep Up, Chronicle of Higher Ed, Josh Keller "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

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

· But when Stanford's School of Medicine lent iPads to all new students last August, a curious thing happened: Many didn't like using them in class. Officials had hoped to stop printing an annual average of 3,700 pages of course materials per medical student, encouraging them to use digital materials instead. Some students rebelled, and Stanford was forced to resume offering printed notes to those who wanted them. In most classes, half the students had stopped using their iPads only a few weeks into the

The Slow-Motion Mobile Campus

with 10 percent in 2008.

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

Medical-school officials caution that the iPad program is Medical-school officials caution that the iPad program is only six months old. They believe cooperation will improve as they begin a broader rethinking of the curriculum over the next few years....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. If they forget exactly what to do during an emergency, they can pull up a cheat sheet on an iPad showing the steps they should follow.





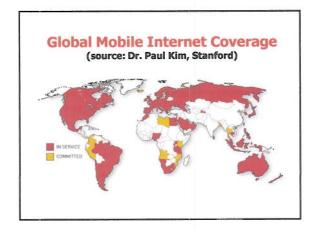
March 13, 2011 iPads Could Hinder Teaching, Professors Say Chronicle of HE, Ben Wieder

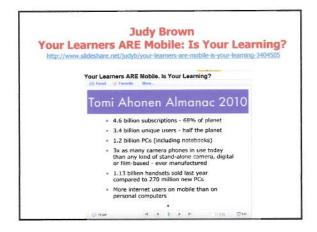




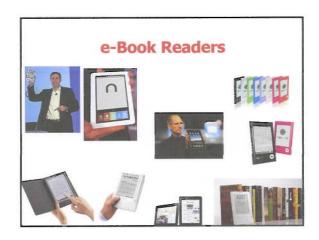
At Pepperdine U. Timothy Lucas, an assistant profe mathematics, shows a class how to use iPads for calculus.

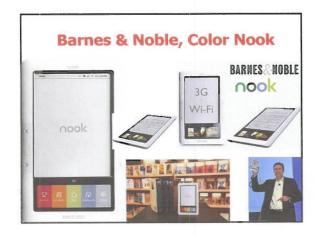
Linda Johnson, an assistant professor of biology at Chatham U., for her plant-physiology



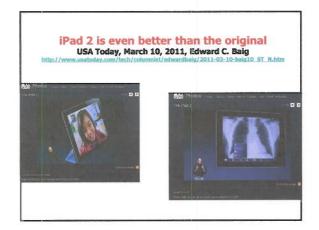






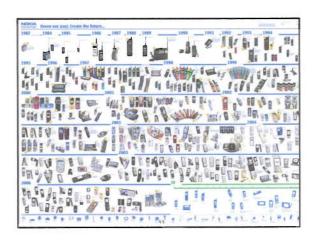


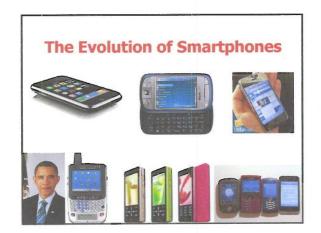








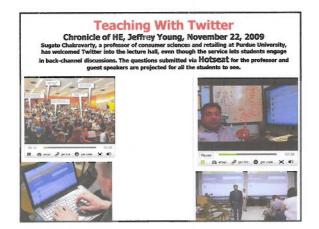








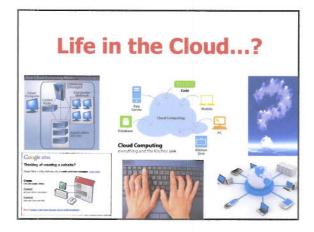














The Slow-Motion Mobile Campus

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.

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.""





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

Solon Hill University will give a new Apple
Plad to every full time student in full 2010.

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The Slow-Motion Mobile Campus

Josh Keller, The Digital Campus, The Chronicle of HE,

May 8, 2011

UNIVERSITY OF WASHINGTON

...expanding wireless and cellular coverage on the campus and making its Web content easier to use on mobile devices, says David R. Morton, director of mobile communications. To involve more students in the college's mobile efforts, Mr. Morton hopes to stage a "development Olympics" in which small teams of students compete to quickly develop the best additions to Washington's iPhone application







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

"I used to use a piece of paper" for taking attendance in class, says David M. Reed, a computer-science professor at Capital U., but he kept losing the sheet. The smartphone app that he wrote to do the job has gained him about \$20,000 on the

iTunes store.

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

1. Taking Attendance

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."

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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 citizenscientists 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

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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)



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

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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. Highend 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.

CourseSmart





CourseSmart Blog (May 19, 2011)

"The role of technology in the learning process continues to evolve, but at a seemingly much slower rate than that of the college student. And, with college students' growing need for flexibility and mobility in their educational experiences, a "classroom" mobile app just may be the future of learning."

CourseSmar

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 celiphone 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

Medicine in particular has embraced smartphones as study aids. 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. On one question, students must decide whether the trouble is with the cardiopulmonary plexus or the arch of the aorta.



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

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Peter H. Abrahams, a professor of clinical anatomy at the U. of Warwick, helped create an app called Aspects of Anatomy. It includes 38 short films of Dr. Abrahams guiding viewers through anatomical models of human organs. Here he points to a model of the bronchial

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

9. Better outreach for extension services.

University extension services have long published detailed brochures meant to help farmers and others who work in agriculture. Now some of those extension services are finding that smartphone apps are an easy way to reach new audiences and offer the fruits of their research at a lower price.





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

 For instance, the University of Florida's extension service recently released "iPest1," designed to help homeowners (and pest-control professionals) identify and kill pesky critters lurking in their homes. The extension service charges \$1.99 for the app, rather than \$20 for the two booklets the materials drew from, which are sold on the service's Web site. The app has been so popular—with more than 1,000 downloads so far—that the extension service plans to release two sequels, including one that covers stinging and bloodsucking pests.





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

10. Location maps for college tours.

It's an archetypal nightmare that sometimes comes true: A student wanders the hallways of a classroom building on the first day of school with no idea of where to go, knowing that class has already started. Now colleges have an app that might make such scenarios seem quaint. Using the location-tracking features of many smartphones, several colleges have built detailed maps of their campuses that can superimpose a dot showing the user's position, continuously updated.





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

One such app was recently developed by the admissions office at the State University of New York at Stony Brook, working with YourCampus360, a company that produces virtual college tours.

The app can lead campus tours anytime, even when regular tours are not under way. And because the app knows where a visitor is, it is programmed to play prerecorded audio clips about key campus buildings when a user walks within range.







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

11. Class scavenger hunts.

To take advantage of the mobility of smartphones, some professors have sent students outside the classroom, designing scavenger hunts in which phone-based clues quide students to learn through exploration.

Colleges Fleed New Ways to Tap Into Mobile Tech



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

 In March, Stephen Baldridge, an assistant professor of social work at Abilene Christian, sent his students on a campuswide hunt inspired by the TV reality show The Amazing Race—except his Amazing Nonprofit Race had students searching the campus for information about service organizations in the area. To divide up roles and coordinate the assignment, the professor used an app called Heads Up, which was developed at the unive to manage classroom discussions and group projects.





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

12. Better bus schedules (and other services).

...it's not surprising that one of the most popular features of some college smartphone apps is a bus schedule that shows students and professors how long they have to wait. The bus schedules are just one of dozens of campus services on official smartphone apps that many colleges are building. Other features of the apps include ways for students to log in and check their course schedules, grades, homework assignments, and other campus information.

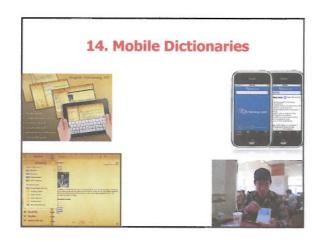


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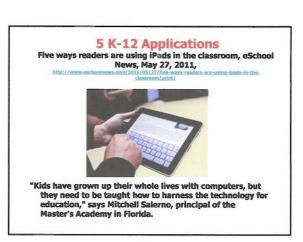
"The key is, a campus has to have a critical mass of Services in the app to make it useful," says Kayvon Beykpour, vice president of Blackboard Mobile, a division of Blackboard that has built apps for many campuses. Then people will want to have the app because they know they're going to use it at some point."

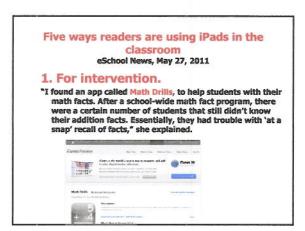








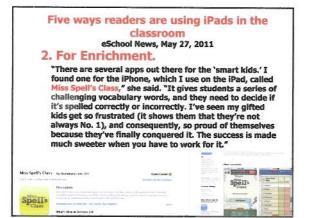


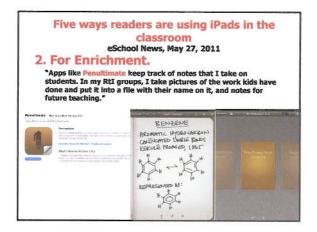


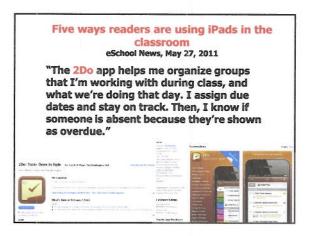
Eschool News, May 27, 2011

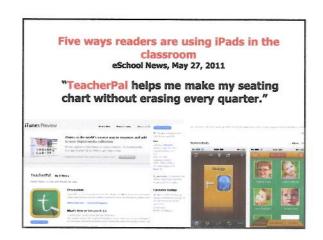
1. For intervention.

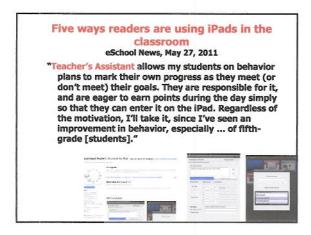
"I put those few students on the iPad app, which gave them the opportunity to practice and then to test themselves. It kept track of their scores and showed their improvement. I've had students BEG me to allow them to practice their facts—under normal circumstances, what fifth-grader do you know [who] 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

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/

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 account and the student of the student was created for small account and the student was created for small account account and the student was created for small account and the student was created for small account account account was created for small account account account was created for small account account was created for small account account account account was created for small account account account was created for small account ac















http://cvipads,wordpress.com/ipad-organization/

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.)





Pushing Mobile Around the Global...







"A" is for App, Anya Kamenetz, Fast Company, April 2010





Seeds of Empowerment, India, Paul Kim, Stanford



