Mobile Devices

for learning

Tuesday, October 13, 2009 Technology Briefing: Mobile Devices for Learning

M + W = 24/7

Tuesday, October 13, 2009 If we wrote it as an equation, this idea would be

M + W = 24/7

Miniaturization plus Wireless equals 24-hour access 7 days a week. From anywhere.



We see students in the library, but not using the books -- they are instead working with their project group to research a new idea from sources available only online.



Tuesday, October 13, 2009 Working adults use their laptops to learn at a distance, enjoying full human interaction with the rest of the class.



Tuesday, October 13, 2009 Young students go home with a bookshelf of new stories and texts on their iPod or Kindle.



Tuesday, October 13, 2009 College students review illustrated podcasts from their professors as they commute to campus.



Tuesday, October 13, 2009 Students in the chemistry lab analyze reactions frame by frame through video shot with a Flip camera.



Tuesday, October 13, 2009 As the tools shrink smaller, the intellectual resources available to them grow broader.



Next to the iPod on the table in front of me is a projector of the same size. I connect the two with a short cable and I can present slides to my seminar anywhere. And show student work. With one miniature device in each pocket, the portable professor can be quick on the draw, ready to shoot ideas onto the nearest wall.



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The same iPod houses hundreds of books, from *The Odyssey* to *Paradise Lost* to *Programming with PHP/ SQL*. As well as video of Zeffirelli's *Romeo and Juliet*, music of Wagner's *The Flying Dutchman*, and dozens of podcast lessons in learning Chinese. And an animated school bus for beginning readers, along with an interactive number line for learning fractions.



What's on the iPods of your students right now? If you had your druthers, what would you want to see on there?



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What are they?

They are devices smaller than a breadbox that let students learn. The list includes laptop computers, iPods, Kindles, SONY Readers, small digital cameras, data probes, and some smart cell phones. The world is full of mobile digital devices, that's for sure; but few of them are used for learning. Most are used for entertainment and personal communication. But they harbor the potential to be used for serious academic purposes.



What do they do?



What do they do?



What do they do?



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What do they do?

Literature Quiz Brilliant! Final score is: 9/10 tap for new quiz

What do they do?



What do they do?



What do they do?



What do they do?



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How much do they cost?

The least-expensive iPods an video cameras cost about \$100; the most expensive smartphones cost \$300. The most popular mobile device, the iPod Touch -- really an iPhone without the phone -- costs about \$200. Only the Blackberry and the smartphones require a monthly fee; the others are free to use.

MODULE OUTLINE GLOSSARY ANIMATIONS

MODULE 3: RADIOGRAPHIC CONTRAST

Section 3: Influencing Factors

3.8 Contrast Media French and Italian Renaissance Literature

There are two cate(media to consider: i media (usually air) a media, such as bari Negative contrast m decrease the absor photons by an anat is generally an incre contrast (higher cor black or very dark s media are used to i absorption of x-ray anatomic area. The increase in radiogra contrast) by adding



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Screen 08 of 11

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What are the system requirements?

To use these devices in school you need a robust, standards-based wireless network. Even more important (and sorely lacking in most schools), you need a robust, standards-based online curriculum that can be displayed on the mobile devices and takes full advantage of their possibilities.



Tuesday, October 13, 2009

Who are the market leaders?

Among young people, Apple's iPod and iPhone products have captured the bulk of the market share. In some communities, upwards of 80% of high school and college-age people own one of these devices. Among working adults, the Blackberry is the market leader among smartphones, with Palm in second place. Single-purpose devices such as the Kindle or the Sony Reader have yet to penetrate the mass market.

Are You Ready for Mobile Learning?

Pros and Cons of iPods in School,

The Mobile Curriculum

New iPod rules touch off heated debate

No ipod, blackberry use in school proposed,

An iPod for School?,

High-Tech Cheating: What every parent needs to know,

Mobile Devices: Facing Challenges and Opportunities for Learning,

Northridge Electronic Devices Policy

iPod touch. Touching student lives in the classroom

Tuesday, October 13, 2009 Why are mobile learning devices controversial in school? Read these articles *pro* and *con* to find out.

	iPod Touch	Kindle	Sony Reader	Flip camera	Blackberry	iPhone	Smart phone	Zune
Read a book	•	•	•			•		
Browse the web	•	•			•	•	•	•
Play a podcast	•					•		•
Send an instant message	•				•	•	•	
Take a picture	•							
Record video				•	•	•	•	•
Display maps	•					•	•	
Work through a tutorial	•					•		
Take a quiz	•					•		
Compose an essay	•				•	•		
Read today's newspaper	•	•	•		•	•		
Record audio	•			•		•	•	