





Gloria Kwan listens to her iPod while text messaging a friend who's in class. Chronicle photo by Mike Kepka

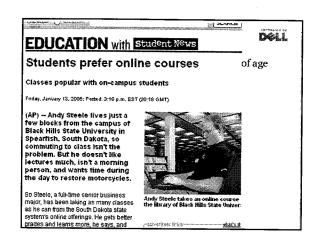


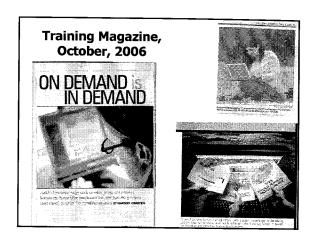
Effects of interactive multimedia in distance learning

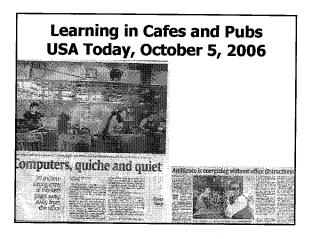
Giti Javidi and Ehsan Sheybani, 2004, In Proceedings of the IASTED International Conference WEB-BASED EDUCATION

"The advancement in technology is shaping every aspect of our life, including education. One decade ago, the Internet was not critical to education. However, now, it has become an integral part of learning process. Internet technology is having a dramatic effect on colleges and universities, producing what may be the most challenging period in the history of higher education."









Yahoo News Love me, love my blog," as Netorati couple-surf BY SARA LEDWITH Thu Aug 3, 8:30 AM ET

- Nick Currie and his girlfriend Shizu Yuasa (R) surf the internet over breakfast in Tokyo in this handout photo. As the Internet evolves -- with its webcams, iPods, Instant Messaging, broadband, wi-fi and weblogs -- its image as a relationshipwrecker is changing. Now a sociable habit is emerging among the Netorati: couple-surfing. (Nick Currie/Handout/Reuters)
- "For my birthday, he upgraded my RAM and I thought it was incredibly romantic," writes Jess.

Behaviorist Interactivity

Simulation: Neomillennial Learner

"The skill to be valued in the twenty-first century is not the length of attention span, but the ability to multitask - to do many things well at once.... [and] the ability to process visual information very rapidly."
 (Rushkoff, 1996:50)





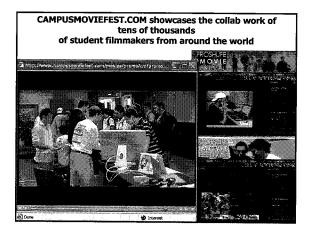
Learner Control: Neomillennial Learner

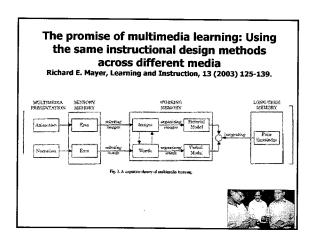
- Xers expect a range of options, in terms of what they learn and how they learn it. They require autonomy and flexibility for their own learning. They demand a variety of instructional methods from which they can choose to learn, e.g., videotapes, self-paced modules, interactive CDs.
 - "Online gives me something to do when I'm bored with the professor."
 - "I respect myself more as a selfteacher."
 - Dziuban, Moskal, & Hartman (2005)

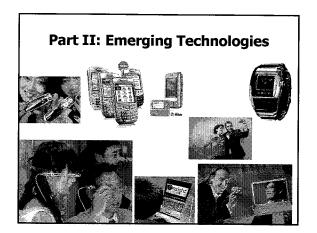
Neomillenial Learning Styles

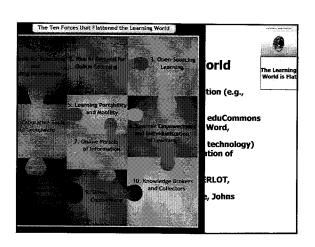
Planning for Neomillennial Learning Styles: Implications for Investments in Technology and Faculty Chris Dede, H*arvard University, Educause, 2005*

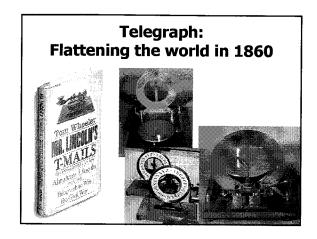
- Fluency in multiple media--value all types of communication, activities, experiences, not a single best medium
- Actively seek, collect, and synthesize experiences, rather than absorb a single best source
- Active learning and collective reflection
- · Non-linear and associated webs of learning
- Co-design of learning experiences for individual needs and preferences not precustomized



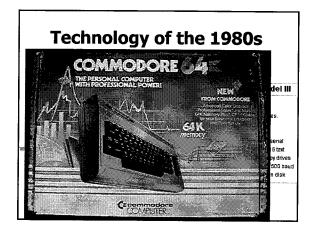


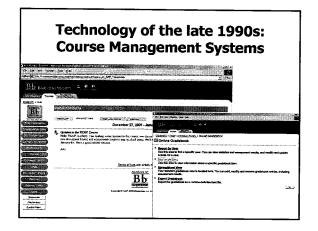


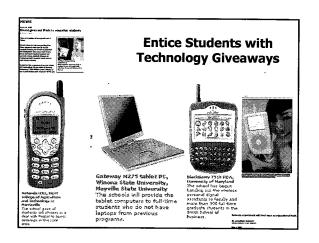






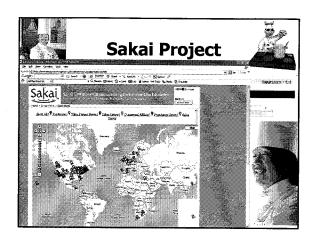


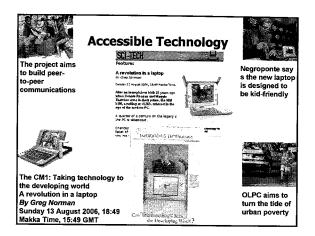




Next-Generation Course Management Systems, Educause Quarterly, Number 1, 2003, Colleen Carmean & Jeremy Haefner A very good thing has grown very

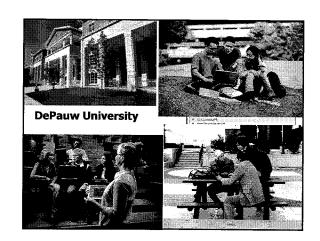
"A very good thing has grown very large, very quickly, and few faculty are speaking or being heard in the discussions of what an ideal CMS might look like in maturity."
"Difficult choices lie ahead both for CMS vendors and for institutions of higher learning."



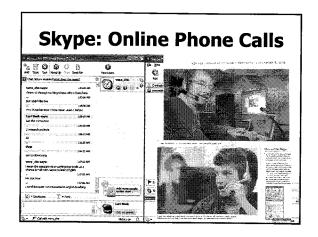


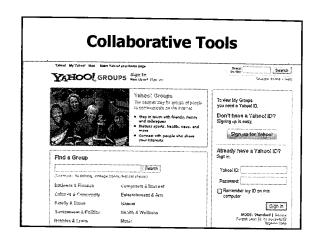












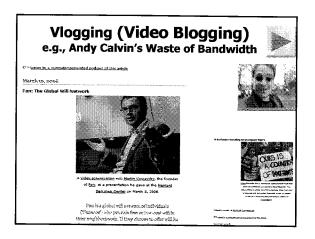


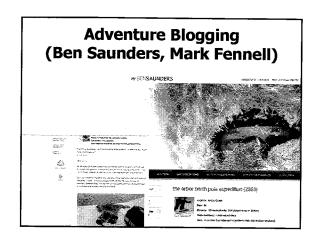
Blogging Questions

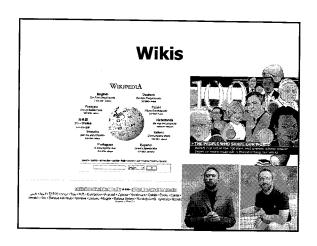
- 1. Who has a blog? Any for a specific class?
- 2. Who regularly reads other people's blogs?
- 3. Who assigns blogging tasks?
- 4. Who has created a video blog?
- 5. Who thinks it is an utter waste of time to blog?

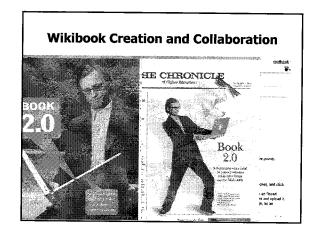
Use of Weblogs (especially English writing class)

- 1. Instructor or Tutor blog: resources, information,
- Learner blog: reflections, sharing links and pics, fosters ownership of learning
- 3. Partner blog: work on team projects or activities
- 4. Class blog: international exchanges, projects, PBL
- 5. Revision: review and explode sentences from previous posts, add details
 6. Nutshell: summarize themes or comments
- across blogs
- Blog on blog: reflections on feelings, confusions, and experiences with blogs

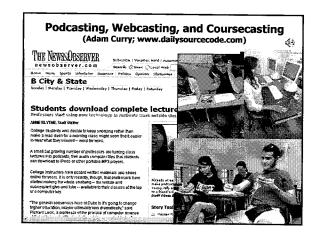


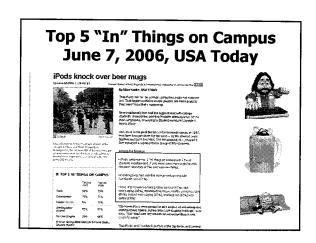














Brandon Hall, Chief Learning Officer Magazine, July 2006

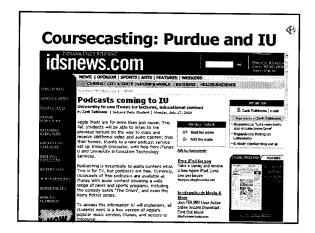
"Podcasts provide a way to distribute an audio or video episode via the Internet for playback at any time on any MP3 device or PC. Podcasts allow training in the form of event capture, new product information, sales tips, orientation, etc. to be delivered on a just-in-time, just-enough basis to anyone anywhere."

Learning TRENDS by Elliott Masie - September 18, 2006. #402 - Updates on Learning, Business & Technology. 52,889 Readers - http://www.masie.com - The MASIE Center.

Fingertip Knowledge Podcast & Transcript: One of my focus points these days is Fingertip Knowledge. You and I and most of our colleagues are increasingly using search engines, from Google to Corporate Intranets, to "walk" our way to the information or knowledge that we need.

Podcast (and Transcript) about the implications of Fingertip Knowledge and the Learning Field:

http://www.learning2006.com/university/ (Duration: 20 Minutes)



Podcasting and Coursecasting (Adam Curry; www.dailysourcecode.com)

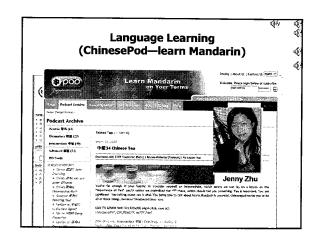
"Just the word 'podcast' scares a lot of teachers away," Ms. Schrock said. "There are a lot of misconceptions."

"All you need is a computer, access to the Internet and a microphone that you can buy at Toys 'R' Us," Mr. Warlick said. "I listen to podcasts on my computer." (NY Times, Jan 25, 2006)







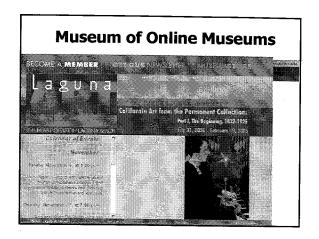


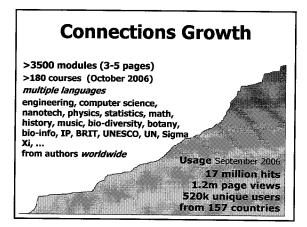
Educational Applications of Podcasting

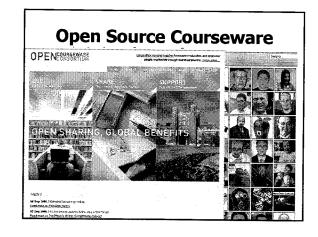
- 1. Recordings of lectures (Coursecasting)
- 2. Supplemental textbook or entire book
- 3. Student projects
- 4. Interviews
- 5. Language lessons
- 6. Oral reports
- 7. K-12 classroom interactions
- 8. Downloadable library of resources
- 9. Recordings of performances

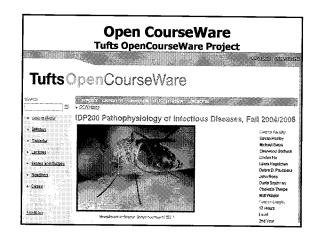


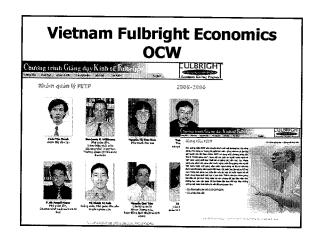
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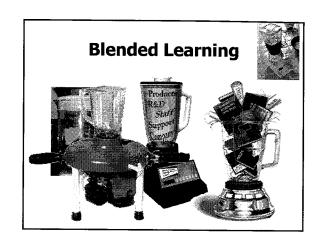






Sharing Questions (future)

- How will such learning objects of today be viewed in 100 or 200 years?
- What new technologies will emerge and be used for knowledge sharing?
- Will online sharing become expected of all faculty members around the planet?
- If so, how will that change the face of higher education?
- What collaborations are possible between corporate world and OOPS, OCW, MERLOT, etc.?



Future Directions of Blended Learning (Bonk, Kim, & Zeng, 2006, Chapter 39) Percent of Student Learning that is Blended Percent of Student Learning that is Blended Discourse of Student Learning that is Blended Learning that is Blended Learning that is Blend

Emergence of Blended Learning Systems in Higher Ed

In 2002 the President of Pennsylvania State University said that the convergence between online and residential instruction was "the single-greatest unrecognized trend in higher education today."

Young, J. R. (2002, March 22). 'Hybrid' teaching seeks to end the divide between traditional and online instruction. Chronicle of Higher Education, pp. A33.

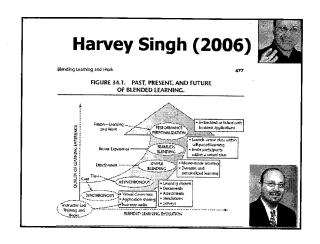
Blending Online and F2F Instruction

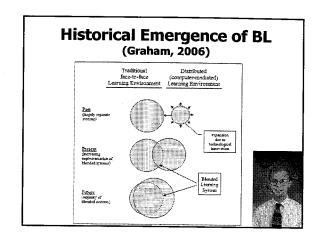
 "Blended learning refers to events that combine aspects of online and face-to-face instruction" (Rooney, 2003, p. 26; Ward & LaBranche, 2003, p. 22)

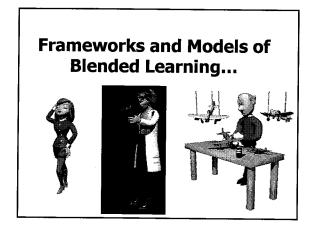
The Sloan Consortium

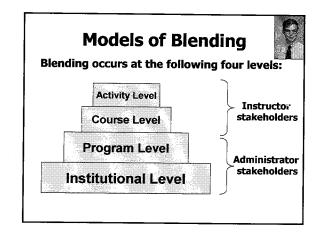
(2003). Sizing the Opportunity: The Quality and Extent of Online Education in the U.S., 2002 and 2003 http://www.sloan-c.org/resources/sizing_opportunity.pdf

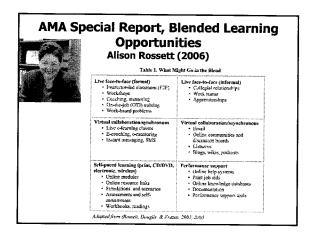
- Traditional: 0% online technology
 - (all content in writing or orally)
- Web facilitated: 1 to 29% online
 (Web syllabus or tasks supplemental)
- Blended/Hybrid: 30-79% of content is delivered online & some FTF meetings
- Online: 80+% of content is online





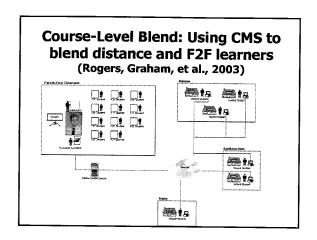


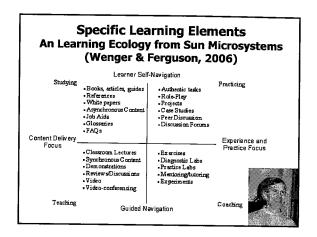


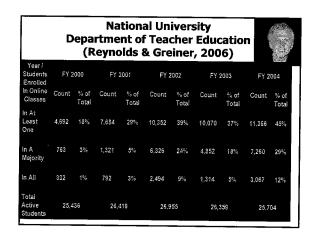


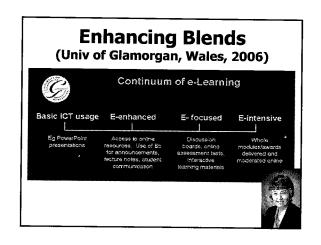
AMA Special Report, Blended Learning
Opportunities
Alison Rossett (2006)

1. Anchor Blend: Start FTF, then online
2. Bookend Blend: Three part: e.g.,
online preassessments, then FTF,
and then online post assessments
3. Field Blend: Assets, resources, and
choices including perhaps FTF









10 Predictions for Blended Learning • From: Bonk, C. J., & Kim, K. J. (in press). Future directions of blended learning in higher education and workplace learning settings. To appear in C. J. Bonk & C. R. Graham (Eds.). Handbook of blended learning: Global Perspectives, local designs. San Francisco, CA: Pfeiffer Publishing.

Blended Learning Trend #1.
Mobile Blended Learning

• Increasing use of mobile and handheld will create rich and exciting new avenues for blended learning.

Blended Learning Trend #2.
Greater Visualization, Individualization, and Hands-on Learning

 Blended learning environments will increasingly become individualized; in particular, emphasizing visual and hands-on activities.

Blended Learning Trend #3. Self-Determined Blended Learning

 Blended learning will foster greater student responsibility for learning.
 Decisions about the type and format of blended learning will be made by students instead of instructors or instructional designers. Learners will be designing their own programs and degrees.

Blended Learning Trend #4. Increased Connectedness, Community, and Collaboration

 Blended learning will open new avenues for collaboration, community building, and global connectedness. It will become used as a tool for global understanding and appreciation.

Blended Learning Trend #5. Increased Authenticity and On-Demand Learning

Blended learning will focus on authenticity and real world experiences to supplement, extend, enhance, and replace formal learning. As this occurs, blended learning will fuel advancements in the creation and use of online case-learning, scenarios, simulations and role play, and problem-based learning.

Blended Learning Trend #6. Linking Work and Learning

 As blended learning proliferates, the lines between workplace learning and formal learning will increasingly blur. Higher education degrees will have credits from the workplace and even credit for work performed.

Blended Learning Trend #7. Changed Calendaring

 The calendar system or time scheduling of learning will be less appropriate and predefinable.



Blended Learning Trend #8. Blended Learning Course Designations

 Courses and programs will be increasingly designated as blended learning paths or options.

Blended Learning Trend #9. Changed Instructor Roles

• The role of an instructor or trainer in a blended environment will shift to one of mentor, coach, and counselor.

Blended Learning Trend #10. The Emergence of Blended Learning Specialists

 There will emerge specialist teaching certificates, degree programs, and resources or portals related to blended learning courses and programs.

10 Implications for Blended Learning in Higher Education



Implication #1. Faculty are More Mobile

• Faculty can deliver instruction and participate in class from more locations.

Implication #2. Student Expectations Rise

 Students will be used to having more choices and selections so their expectations will rise.

Implication #3. More Corporate University Partnerships

 Create more opportunities for learning at multiple locations; and hence, more training partnerships.

Implication #4. Changes Strategic Planning for Technology

 Technology plans must more directly address instructional technology options and not focus simply on administrative systems.

Implication #5. Courses will Increasingly Become Modular

 Blending of face-to-face and online technologies will segment pieces of content and lead for more interoperable modules.

Implication #6. Less Predefined Schedules

 When faculty are teaching and students are learning is less clear. New norms and measurement scales will emerge.

Implication #7. Classroom Costs will Rise and Fall

 There will be increases in technologies made available for instruction but decreases in facilities needed.

Implication #8. Customized Training and Education

 There will be increasing focus on providing the learner with what he or she needs and wants.

Implication #9. Jump Starts Faculty into Online and Allows Others to Resist

 Some faculty will try out elearning in a small, supplemental way and have success.

Implication #10. Scheduling Courses Becomes More Complex

 The more course options that there are, the more complex course scheduling becomes.

Six Important Challenges and Issues

- 1. The role of live interaction
- 2. Role of learner choice and self regulation
- 3. Models for support and training
- 4. Digital Divide
- 5. Cultural adaptation
- Finding balance between innovation (creativity) and production (need for cost reduction)

A Challenge for the Future Strengths of Environment



Weaknesses of Environmen

One of our challenges is to determine the **strengths and weaknesses** of the two archetypal environments and use those to develop solutions that really do take advantage of the "best of both worlds."

A Final Quote:

It's a long, long road... With many a winding turn. That leads us to who knows where?...

It's a long, long road From which there is no return While we're on the way to there Why not share

(The Hollies, 1969; He Ain't Heavy, He's My Brother; B. Scott - B. Russell)







Ok...it is the end...or is it?

