

A Different Generation??? Multitasking...
"YOUNG AND WIRED," Katherine Seligman, San Fran
Chronicle, Sunday, May 14, 2006



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

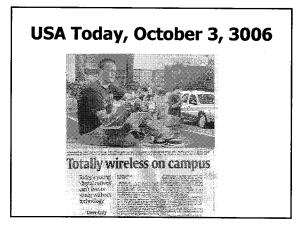


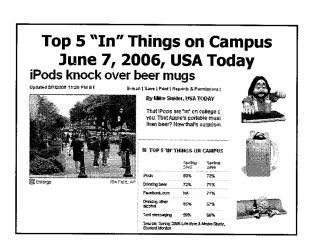
"YOUNG AND WIRED, Computers, cell phones, video games, blogs, text messages -- how will the sheer amount of time spent plugged in affect our kids?"

Katherine Seligman, San Fran Chronicle,
Sunday, May 14, 2006



Harker student Stephanie Lil (wearing a false nametag), during language class, recording her voice in Spanish for the teacher to evaluate later. Chronicle photo by Mike Kepka



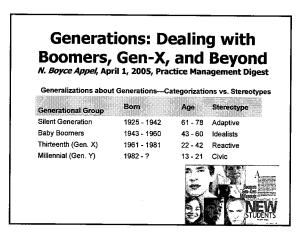




Yahoo News

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

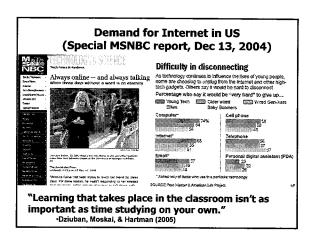
Nick Currie and his girlfriend Shizu Yuasa
 (R) surf the internet over breakfast in Tokyo in this handout photo. As the Internet evolves -- with its webcams, iPods, Instant Messaging, broadband, wi-fi and weblogs --. "For my birthday, he upgraded my RAM and I thought it was incredibly romantic," writes Jess.





Better Technology in High Schools Raises Students' Expectations, George Washington Univ., Sept 22, 2006, Chronicle of HE, JEFFREY R. YOUNG

 Just a few aisles down at the bookstore, Meenoch Kim, another freshman, said upper-level classrooms in her high school, back in Knoxville, Tenn., also had Smart Boards. She prefers PowerPoint presentations over writing on chalkboards, she said, because instructors' handwriting is "messy," and she often cannot read it.

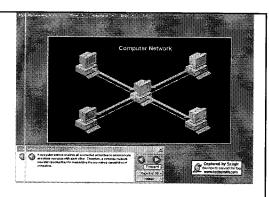


Generation Raised on the Internet Comes of Age, MSNBC, Dec., 13, 2004, Martha Irvine

• For 21-year-old William Herbert, the Internet has replaced newspapers and TV weather reports (he visits Weather.com every morning). He pays his bills online, registers for classes, books airline and train tickets, checks TV listings, buys movie tickets and gets travel directions.

Behavioristic Interactivity





Online PowerPoint?

Interaction: Boomer

- Life experienced at a slower pace promotes an expectation of "it's ok to wait." Learning experienced from an early age as lecture with drill and practice without stimulation/response. Gaming as part of a learning context may be considered less effective because it is less "serious" and in some cases can be distracting.
- Older people prefer less interaction than younger people in distance education (Kearsley, 1995).

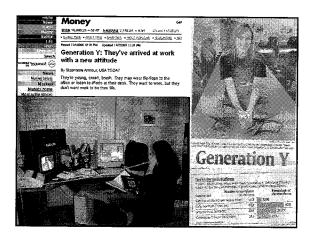
Interactivity Online

- Animations in small files (Macromedia (Adobe) Flash)
- Capture desktop activities (Matchware Screencorder)
- · Collaborative writing (Writely.com, Jotspot)
- Desktop audio recordings (Audacity; iLife)
- Group Forums (Yahoo! Groups, Google Groups)
- Instant Messaging (AIM, MSN, Yahoo!)
- Noncollaborative writing (Blogger, Pitas)
- Photo Storage (Flickr)
- PP Slides with animation and narration (Articulate)
- VoIP (Skype and Google Talk) voice and text
- · Web meetings (Ivisit)
- Wikis (PB Wiki, MediaWiki)



Interaction: Xer

 "The skill to be valued in the twentyfirst 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: Boomer

 The traditional instructor-focus is what is expected. The instructor determines what is important to learn and how it should be learned. Consistency and control are maintained with the "tell me, tell me, tell me" approach.

Learner Control: Xer

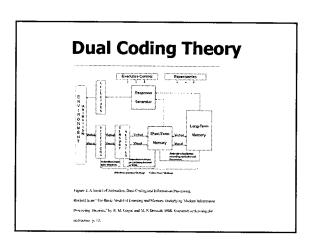
- Xers expect a range of options, in terms of what they learn and how they learn it.
 They require autonomy and flexibility for their own learning. They demand a variety of instructional methods from which they can choose to learn, e.g., videotapes, selfpaced modules, interactive CDs.
 - "Online gives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

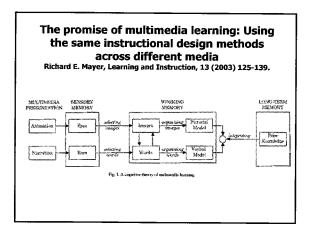
Neomillenial Learning Styles

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







The promise of multimedia learning: Using the same instructional design methods across different media

Richard E. Mayer, Learning and Instruction, 13 (2003) 125-139.

A review of research on the design of multimedia explanations:

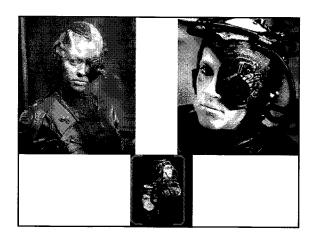
- (a) a multimedia effect: in which students learn more deeply from words and pictures than from words alone—in both book-based and computer-based environments,
- (b) a coherence effect: in which students learn more deeply when extraneous material is excluded rather than included—in both book-based and computer-based environments,

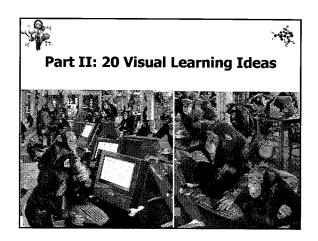
The promise of multimedia learning: using the same instructional design methods across different media
Richard E. Mayer, Learning and Instruction, 13 (2003) 125-139.

- (c) a spatial contiguity effect: in which students learn more deeply when printed words are placed near rather than far from corresponding pictures—in both book-based and computer-based environments, and
- (d) a personalization effect: in which students learn more deeply when words are presented in conversational rather than formal style—both in computer-based environments containing spoken words and those using printed words.

What can we say about visual learning then???

- It is everywhere!!!!!!!!
- Resistance is futile!!!!!!!





Ok, Million Dollar Question: How can you address visual learners online?

