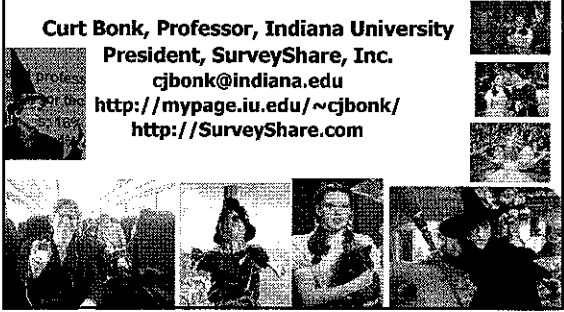**Podcasts and Wikis and Blogs, Oh My!:**
Online Learning is Not in Kansas Anymore
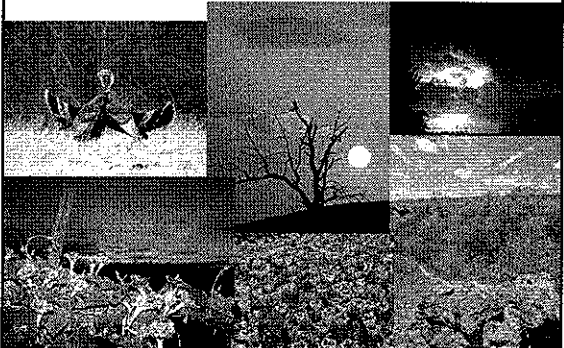
Curt Bonk, Professor, Indiana University
President, SurveyShare, Inc.
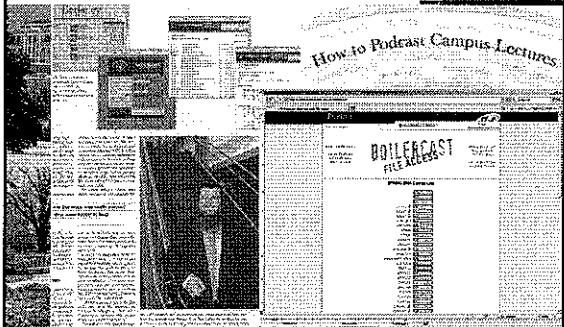**cjbonk@indiana.edu**
http://mypage.iu.edu/~cjbonk/
http://SurveyShare.com

Podcasts and Wikis and Blogs!
Oh My!

E-Learning Not in Kansas?

If it is not in Kansas, can we find e-learning in Indiana?

The Year in Review

BBC NEWS

Fake professor in Wikipedia storm

Internet site Wikipedia has been hit by controversy after the disclosure that a prominent editor had assumed a false identity complete with fake PhD.

The editor, known as Essjay, had described himself as a professor of religion at a private university.

But he was in fact Ryan Jordan, 24, Kentucky who used texts such as Ca has now retired from the site.

Wikipedia is an encyclopaedia open t volunteers worldwide.

'Trust and tolerance'

Under the name Essjay, Mr Jordan er the authority to arbitrate disputes b

The Year of the Ban and the Lawsuit!!!

CNN.com

WORLD

Assault spurs school YouTube ban

Poll #1:
Should kids be allowed to bring mobile phones, MP3 players (iPods) to school?

MiamiHerald.com

Board OK's flip-flops, but iPods are out

Flip-flops are in for high school kids, but for everyone else. Also out: bedroom slippers, unironed clothes, iPods and laptops.

The Year of K-12 Online Learning

TOTAL HALF-CREDIT ENROLLMENTS AT FLVS

(bar chart with values 70,000 / 60,000 / 50,000 / 40,000 / 30,000 / 20,000 / 10,000 / 0 and years 2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006)
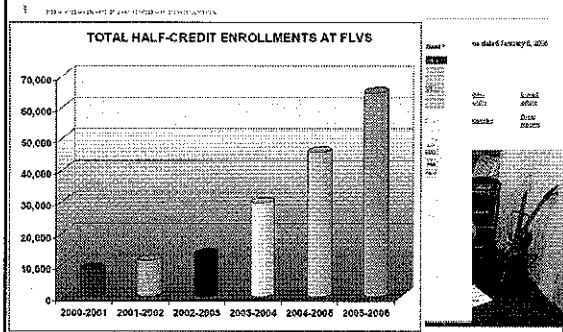
Debates on Quality of Online
Chronicle of Higher Ed, January 5, 2007,
Employers Often Distrust Online Degrees.
By DAN CARNEVALE

Doubts About Distance Education

A survey of 191 managers conducted last year by Vault Inc., a career information company, found that most of them were at least somewhat wary of online degrees.

Have you ever encountered a job applicant with an online degree?

The Year of Wikipedia Controversy
Chronicle of Higher Ed: January 26, 2007

Co-Founder of Wikipedia, Now a Critic, Starts Spinoff With Academic Editors

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Still More News...
Chronicle of Higher Ed: January 26, 2007

- **Scholarpedia opens—must be invited to write or elected by the public**
  - (after Citizendium by Larry Sanger)
- **Deathswitch for $19.95/year—to send email messages from the grave (sends message every 2 weeks to see if still alive and if no response, goes into worry mode)**
- **MTVU buys RateMyProfessors.com**

Continued Growth of Open Source Courseware

Moodle sites

And also Open CourseWare
Tufts OpenCourseWare Project

Tufts OpenCourseWare

IDP200 Pathophysiology of Infectious Diseases, Fall 2004/2005

Participatory Learning
(e.g., Video Repositories, Wikis)

Accessible Technology

The project aims to build peer-to-peer communications

Negroponte says the new laptop is designed to be kid-friendly

The CM1: Taking technology to the developing world
A revolution in a laptop
By Greg Norman
Sunday 13 August 2006, 18:49
Makka Time, 15:49 GMT

OLPC aims to turn the tide of urban poverty

Online Collaboration Tools
e.g., Skype and Google Talk:

Virtual Worlds/Virtual Reality/MMOG
First Course in a Virtual World (Second Life)
Wednesday, August 30, 2006
Harvard Law School (Charles & Rebecca Nesson)
Chronicle of Higher Ed (open to the public)
http://chronicle.com/daily/2006/08/2006083001t.htm

Digital Books
By Kim Rahn, March 7, 2007, Digital Textbook to

Digital Textbook to Debut

**Online Photos, e.g., FLICKR
(Inc. Magazine, December 2006)**

Nature and Nurture:
An Interactional Model

Technology Pedagogy

People, Society, Culture, etc.

Part I. People, Society, and
Cultures
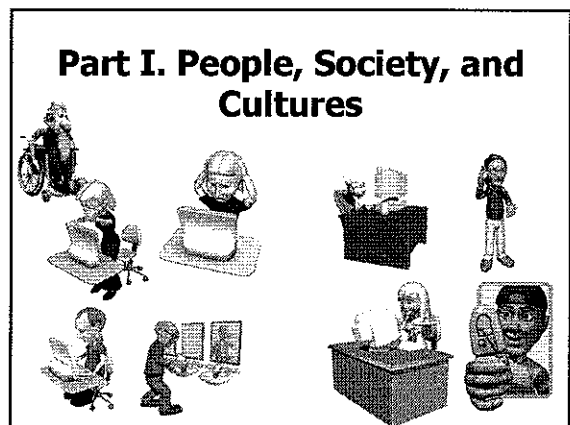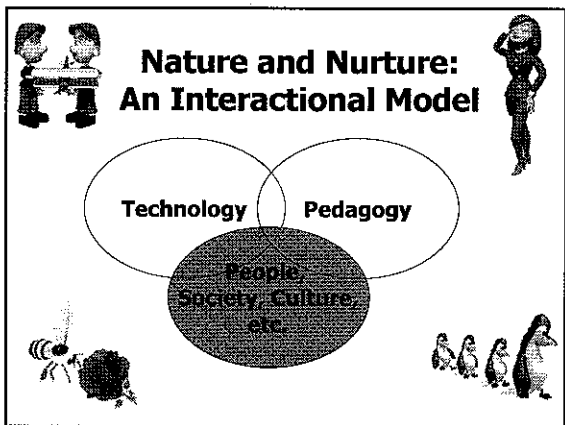
Next Generation of Students

Tech creates a bubble for kids

Tech Creates Bubble for Kids
Alejandro Gonzalez, USA TODAY, Updated 6/20/2006 10:34 AM ET

Telegraph:
Flattening the world in 1860

4
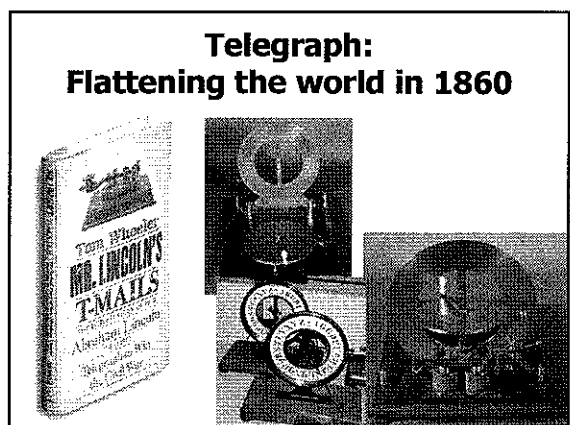
Eighth-grade students Tayler Bernholtz, left, Amy Lostroh and Kelsey Cardiff check out a weblog discussion related to the Civil War historical-fiction book 'Guerrilla Season' At South Valley Junior High School in Liberty, Mo. (Blogging now begins young USA Today, By Ashley Bleimes, USA TODAY, November 15, 2006, 12D). http://www.usatoday.com/life/2006-11-14-blogs-education_x.htm

Schools of the 1880s

I'm a librarian

Technology of the 1980s

Radio Shack TRS-80 Model III	
Introduced:	July 1980
Price:	US $699 base model
	US $2495 w/ 32K, dual drives.
CPU:	Zilog Z-80, 2.03 MHz
RAM:	4K, 48K max.
Ports:	Cassette tape, expansion, serial
Display:	12-inch B/W monitor, 64 X 16 text
Storage:	0, 1, or 2 internal 178K floppy drives
	External cassette @ 500 / 1500 baud
OS:	BASIC in ROM, TRS-DOS on disk

Entice Students with Technology Giveaways

Gateway M275 tablet PC, Winona State University, Maryville State University. The schools will provide the tablet computers to full-time students who do not have laptops from previous programs.

Blackberry 7510 PDA, University of Maryland The school has begun handing out the wireless personal digital assistants to faculty and more than 950 full-time graduate students in the Smith School of Business.

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."

Increased Broadband Access

Total broadband subscriptions, percentage of OECD, top 5 countries, June 2005

Korea 9%
Japan 15%
Germany 6%
United Kingdom 6%
United States 31%
Rest of OECD 33%

Legend:
— Canada
— Japan
— United States
— United Kingdom
— France
— OECD
— Germany
— Italy
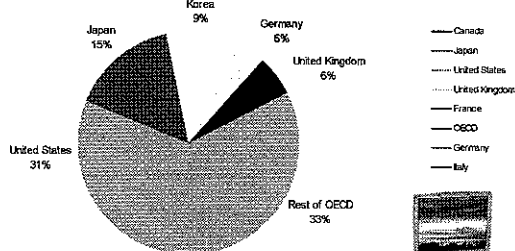
Source : OECD

Singapore and Taipei
(Intel Press Release, 2006)

- Singapore, the island city-state in Southeast Asia, is about to complete a major new public/private project that will see large chunks of the 270 square mile city provided with Wi-Fi access by the end of 2008. The entire city, indoors and out, is due to be covered by 2015.
- In the coldest capital in Canada, the city residents of Iqaluit (pop. 6,000) enjoy free wireless from one free hotspot (with two more due soon to cover the suburbs), while Taipei, Taiwan (pop. 2.6 million) has a few more—over 4,000 hotspots that provide coverage for 90 percent of the city.

The Learning World has become Flat!

The Learning World is Flat

You.

USA Today, October 3, 3006

Totally wireless on campus
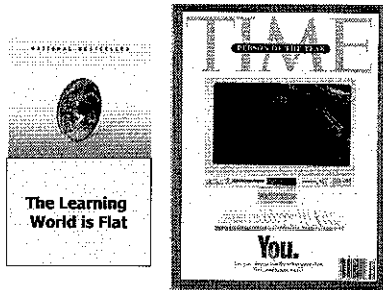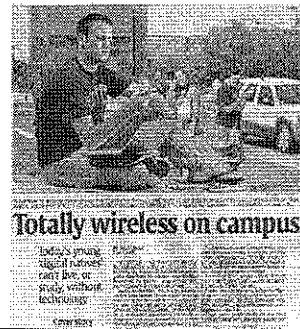
Top 5 "In" Things on Campus
June 7, 2006, USA Today

iPods knock over beer mugs

Learning in Cafes and Pubs
USA Today, October 5, 2006

Computers, quiche and quiet

All learning in one's own hands?

Generation raised on Internet comes of age
Online interaction considered just normal part of life

Interactivity

Simulation: 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).

Behaviorist Interactivity

Online PowerPoint?

Simulation: Xer

- Conditioned to expect immediate gratification (they grew up with drive-through fast food, remote controls, automatic teller machines and microwave ovens), and an expectation that learning should be stimulating and fun (Sesame Street). Generation Xers crave stimulation and expect immediate answers and feedback.

Simulation: Xer

- Genxers have a rapid-fire information consumption capability. Rushkoff argues that many of the things for which this generation is maligned, such as short attention spans and lack of ability to concentrate on a single task at once are not problems but actually brilliant coping mechanisms for a world overloaded with information.

Simulation: Xer

- "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)

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

Bonk's Addiction Q'er

1. Who has 2 or more cell phones with Internet access?
2. Who has 2 or more laptop computers with wireless connections?
3. Who is on email in the morning? At noon? Who does it at night?
4. Who suffers from nervous tension when you cannot get on email?
5. Who is on the Web right now?

"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

INFORMATION TECHNOLOGY

E-Mail is for Old People

Money

Generation Y: They've arrived at work with a new attitude

By Stephanie Armour, USA TODAY

They're young, smart, brash. They may wear flip-flops to the office or listen to iPods at their desk. They want to work, but they don't want work to be their life.

This is Generation Y, a force of as many as 70 million, and the first wave is just now embarking on their careers — taking their place in an increasingly multigenerational workplace.

Generation Y

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 relationship-wrecker 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.**

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, self-paced modules, interactive CDs.
  - "Online gives me something to do when I'm bored with the professor."
  - "I respect myself more as a self-teacher."
    - Dziuban, Moskal, & Hartman (2005)

Neomillenial Learning Styles
Planning for Neomillennial Learning Styles: Implications for Investments in Technology and Faculty
Chris Dede, *Harvard 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 pre-customized

CAMPUSMOVIEFEST.COM showcases the collab work of tens of thousands of student filmmakers from around the world

Dual Coding Theory

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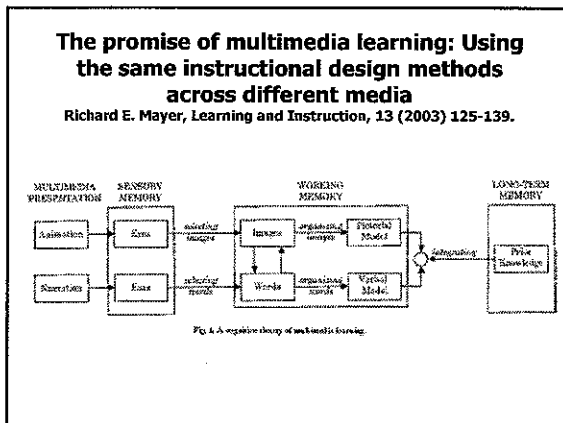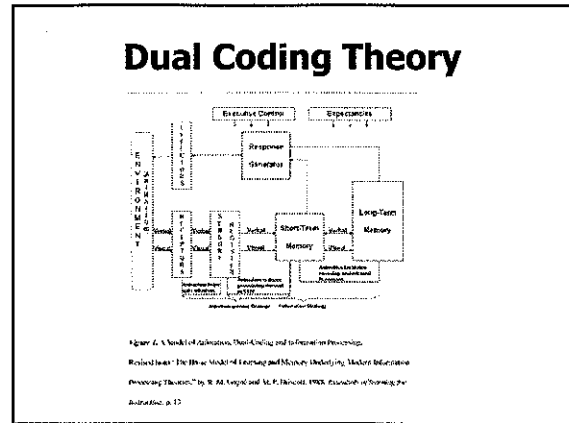
Verbal and Visual Systems

- **The verbal system specializes in processing and storing linguistic information (words, sentences, etc.,). Information is stored in discrete, sequential units. In contrast, the visual system specializes in processing and storing image or 'picture-like' representations.**

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.

10

Stop and Share: Top Three

Part II. Technology Trends: Podcasts and Wikis and Blogs, Oh My!!!!

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(1) Blogs, (2) Wikis, and (3) Podcasts

- **Definitions**
- **Leading Figures**
- **Instructional Ideas**
- **Research, Data, and Other Examples**

Trend #1: Blogging (75,000 new blogs each day, USA Today, March 27, 2006)

join the **DISCUSSION**

	Hosted Blogs Created	Growth Rate
2000	136,000	
2001	950,000	606%
2002	2,160,000	126%
2003	5,010,000	131%
2004	10,300,000	105%

Scholars who Blog, Chronicle of Higher Ed, (Glenn Reynolds, instapundit.com; Stephen's Web, www.downes.ca)

INSTAPUNDIT.COM

Stephen Downes (2004)

"A blog...is and has always been more than the online equivalent of a personal journal...But a blog is also characterized by its reflection of a personal style, and this style may be reflected in either the writing or the selection of links passed along to readers. Blogs are, in their purest form, the core of what has come to be called *personal publishing.* (p. 18)."

Not Just an American Phenomenon

canada.com
WHERE PERSPECTIVES CONNECT

Tuesday • October 10 • 2006

China says number of blogs tops 34 million with 55 million regular readers

Canadian Press

Tuesday, September 26, 2006

BEIJING (AP) - The number of blogs in China has topped 34 million, more than 30 times as many as the country had four years ago, news reports said Tuesday.

Some 17.5 million people in China consider themselves Web log writers, while 55 million regularly read them, newspapers and the Xinhua News Agency said, citing a report by the government's China Internet Network Information Centre.

Web logs are hugely popular in China, where the government controls all media and the Internet offers most people the only public forum for expressing opinions. Most blogs deal with pop culture, travel, family matters and other nonpolitical subjects.

Educational use of Blogs

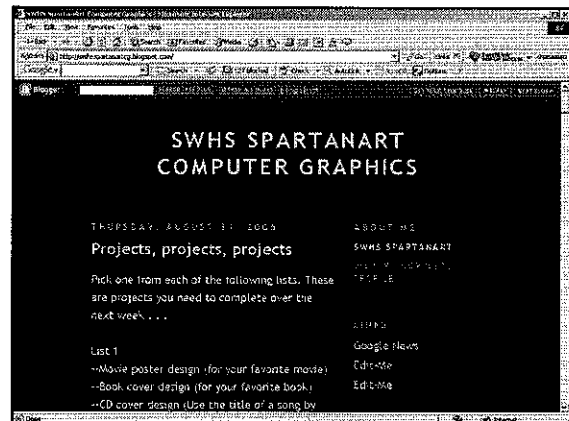| For instructors	For students
• **Professional practice**	• **Reflections or journals**
• **Networking and knowledge sharing**	• **Dialogue with peers**
• **Course management tool**	• **Group work**
▪	• **Communicate with instructor**
	▪ ... ...

- Libby Nicole Ingrassia, a techie-turned-teacher at KIPP Houston High School, operates a blog called Notesgirl. More and more teachers are going online to talk about their profession, but unlike Ingrassia, who is open about her blog, many keep their identities secret.
- SHARON STEINMANN: HOUSTON CHRONICLE
- Jan. 29, 2007, 1:01PM
  A new school of bloggers
  A growing number of teachers are expressing their views — but most do it anonymously
- By JENNIFER RADCLIFFE
  Copyright 2007 Houston Chronicle

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, space to chat**
2. **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**
7. **Blog on blog: reflections on feelings, confusions, and experiences with blogs**

Blogger Software:
You have many choices!

1. Blogger: http://www.blogger.com/
2. Diaryland: http://www.diaryland.com/
3. Live Journal: http://www.sixapart.com/livejournal/
4. Movable Type:
   http://www.sixapart.com/movabletype/
5. Pitas: http://www.pitas.com/
6. TypePad: http://www.sixapart.com/typepad/pricing
7. Xanga: http://www.xanga.com/

New Pew Survey Defines Today's Bloggers
Jimmy Moore, July 22, 2006

- Among the different kinds of blogs out there, here is the breakdown:
- Personal life - 37 percent (can you say MySpace.com?)
- Political - 11 percent
- Entertainment - 7 percent
- Sports - 6 percent
- News/Current Events - 5 percent
- Business - 5 percent
- Technology - 4 percent
- Religion/Faith - 2 percent
- Health - 1 percent

Pew Research Group
New Pew Survey Defines Today's Bloggers
Jimmy Moore, July 22, 2006

- Most bloggers are young, 18-30 year olds
- Most bloggers spend hours on Internet per day
- Most bloggers share their personal experiences
- Most bloggers write daily or almost daily
- Most bloggers LOVE to write and are good at it
- Most bloggers never published their writings b4
- Most bloggers have a full-time job (and it's not blogging!)

Classrooms go high-tech
By Erin Stewart
Deseret Morning News
March 6, 2007

One of Michelle Tanner's deaf students at Gerald Wright Elementary holds an iPod and watches a video of her signing the week's vocabulary words.
(Michelle is a a teacher with the Utah Schools for the Deaf and the Blind at Gerald Wright Elementary)

Vlogging (Video Blogging)
e.g., Andy Calvin's Waste of Bandwidth

Adventure Blogging
(Ben Saunders, Mark Fennell)

Adventure Blogging:
North Pole Marathon

Business Blogs

Trend #2. Wikis

WIKIPEDIA

Change it, it's a Wiki!

Unencyclopedia

UnBooks:Travel guide to New Jersey

New York City

Philadelphia
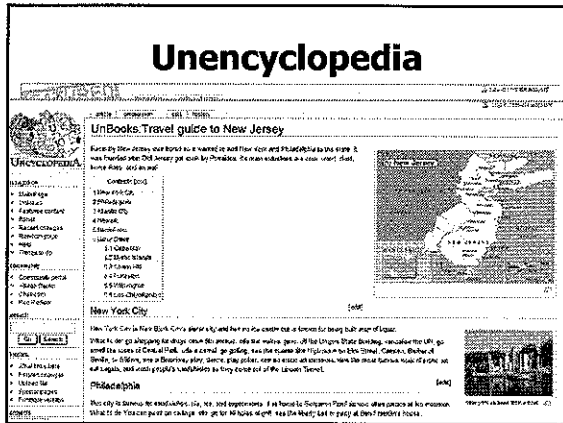
Brandon Hall, Chief Learning Officer Magazine, July 2006

"A wiki is a collection of Web pages that can be easily viewed and modified by anyone, providing a means for sharing learning and collaboration."
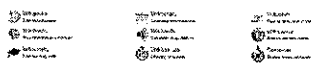

Brandon Hall, Chief Learning Officer Magazine, July 2006

"Wikis can be used to create content on-the-fly, as a repository for information and for archiving group learning. Benefits include speed, simplicity and a sense of ownership among participants."

For Teachers New to Wikis

- Wikis are free, online writing spaces.
- Wikis use simple formatting rules, so no HTML understanding required.
- Highly collaborative composing and creativity
- Authors do not claim ownership
- Published online
- Wikis provide a history and anyone can revisit prior versions of text

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How use in teaching

1. Provide space for free writing
2. Debate course topics and readings
3. Share resources (websites, conferences, writing, etc.)
4. Maintain group progress journal
5. Require group or class essay
6. Have student revise Wikipedia pages
7. Write a wikibook

Wiki Resources/Options

- Wikipedia
- Wikibooks
- Wiktionary
- Wikiversity
- Wikispecies
- Wikiquote
- Wikinews

15

Wikiasari - Wikipedia Founder Launching a Google Rival

What is a wiki?

- Ward Cunningham, in 1995

- The name, wiki, is based on the Hawaiian term *wikiwiki,* meaning "quick"

- What I Know Is

Wiki Questions

1. Who regularly reads Wikipedia articles just for fun?
2. Who regularly reads Wikibooks?
3. Who seeks Wikipedia for content?
4. Who has edited or written new articles on Wikipedia or Wikibooks?
5. Who thinks it is ok for college students to cite from Wikipedia?

Wiki Software

- Wiki software is a type of collaborative software that runs a Wiki system.
  - Java based:
    http://sourceforge.net/projects/friki
  - Perl based (Twiki)
    http://twiki.org/
  - PHP based
    http://www.qwikiwiki.com/
  - PHP & MySQL
    http://www.mediawiki.org/

Wiki farm

- A "Wiki farm" refers to a server or a collection of servers that provides wiki hosting, or a group of wikis hosted on such servers.
  - http://www.seedwiki.com/
    (public, WYSIWYG)
  - http://pbwiki.com/
    (password-protected, text editor)
  - http://www.jot.com/
   (password-protected, WYSIWYG)

How to choose?

- Source code (Text editors vs. WYSIWYG)
- Access control (password vs. open to public)
- Editing control (various levels of editing controls)
- Free vs. license fee
- RSS awareness
- Advanced features (spell-check, emoticons, blogging, polling , calendar)

Compare Wikipedia and Wikibooks

http://en.wikipedia.org/wiki/Special:Statistics
http://en.wikibooks.org/wiki/Special:Statistics

Characteristic	Wikipedia	Wikibooks
1. Date Launched	January 15, 2001	July 10, 2003
2. Historical Statistics (as of March 24, 2007):	8,104,148 pages 6.4 million articles 1,703,263 articles in English 250 languages 121,944,043 edits 15.05 edits per page 700,001 media files 3,932,542 registered users 1,155 system admins	71,800 pages 24,985 modules or chapters Over 1,000 books, the largest category in English 120 languages 817,941 page edits 11.26 edits per page 55,110 registered users, 36 system admins

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Wikibook Research

Gender of Wikibookians

Female 2%

Male 98%

☐ Male
☐ Female
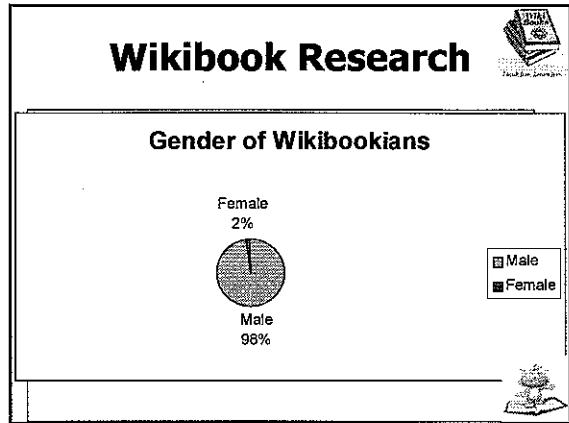
Wikibook Creation and Collaboration

Sample Wikibooks
http://en.wikibooks.org/wiki/Main_Page

Sample Junior Book (Dinosaurs)
http://en.wikibooks.org/wiki/Main_Page

Stanford Debuts Wiki of All Things Stanford
October 10, 2006
Campus Technology

Wiki Novels

REUTERS

Publisher launches its first "wiki" novel

LONDON (Reuters Life!) - Fancy trying your hand at penning a novel...

[article text illegible]

The novel "A Million Penguins" went live on Thursday and its first lines were already being written...

TWO OF YOUR CUSTOMERS HAVE BEEN ON HOLD FOR 2H
**WHO DO YOU HELP FIRST?**

AVAYA
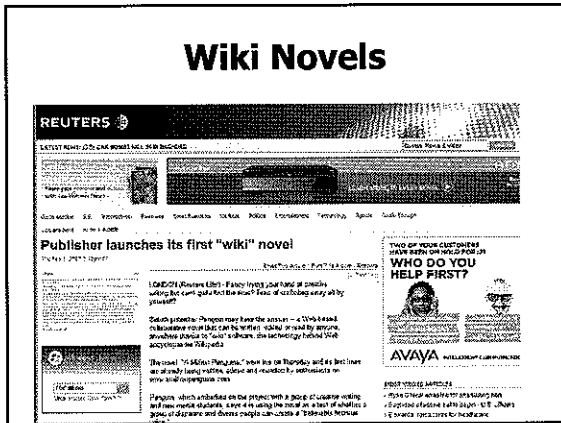
MIT Launches Center for Collective (Wiki) Intelligence, October 10, 2006
Campus Technology

- **MIT** opens the doors this week of the MIT Center for Collective Intelligence (CCI), which has set the ambitious goal to understand how to harness the power of large numbers of people – connected via the Internet and other technologies – to solve a range of business, scientific, and societal problems.
- CCI Director Thomas Malone said the recent successes of "Google and Wikipedia suggest that the time is now ripe for many more such systems." Malone, author of "The Future of Work," said the Center's research will address, "how can people and computers be connected so that – collectively – they act more intelligently than any individuals, groups, or computers have ever done before?"

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3. Podcasting
Chronicle of Higher Education
February 9, 2007

Organizational with Podcasts

Podcasting, Webcasting, and Coursecasting
(Adam Curry; www.dailysourcecode.com)
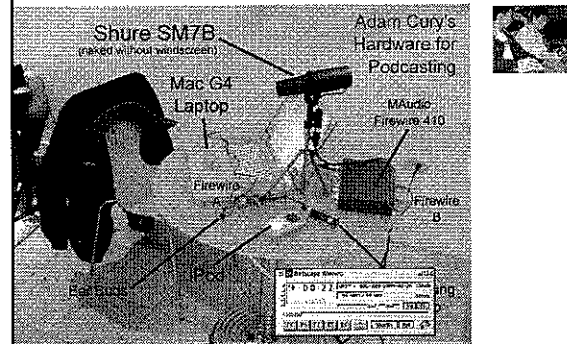
Brandon Hall, Chief Learning Officer Magazine, July 2006

"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."


Podcast Questions

1. Who has listened to a podcast?
2. Who listens to a certain podcast on a regular basis?
3. Who has created a podcast?
4. Who has created a vodcast?
5. Who thinks podcasting is simply more talking heads?

Playfuls.com
July 15, 2006

- Nielsen/NetRatings announced that 6.6 percent of the U.S. adult online population, or 9.2 million Web users, have recently downloaded an audio podcast. Also 4.0 percent, or 5.6 million Web users, have recently downloaded a video podcast. These figures put the podcasting population on a par with those who publish blogs, 4.8 percent, and online daters, 3.9 percent. However, podcasting is not yet nearly as popular as viewing and paying bills online, 51.6 percent, or online job hunting, 24.6 percent.

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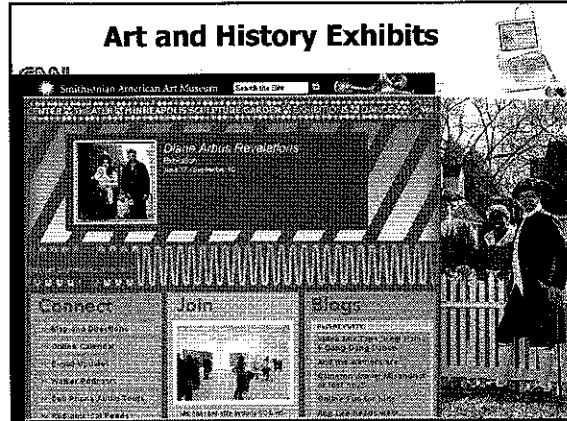
Learning TRENDS by Elliott Masie - September 18, 2006.
#402 - Updates on Learning, Business & Technology.
52,889 Readers - http://www.masie.com - The MASIE Center.

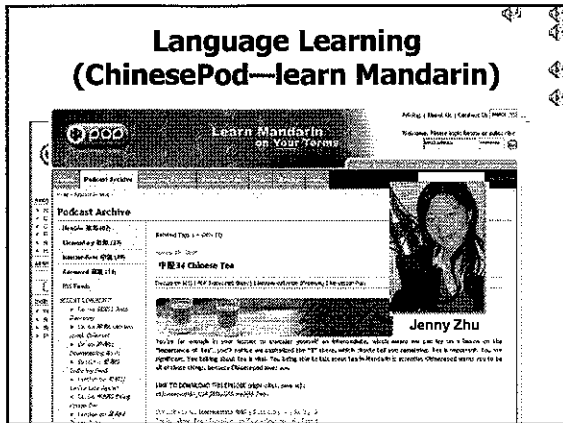## Podcasting

I have listened closedly

BobCasts!

- **PODCASTING THE WORD OUT. The interdepartmental Podcast Group at Broward Community College (FL) has implemented a specialized program highlighting key technology events and programs at the college. The "bobCasts" are named for Associate Professor of Speech and Communications Robert Buford, who leads the Podcast Group in its larger mission to foster podcasting throughout the multiple campuses of BCC.**

Podcasting and Coursecasting
(in schools—kids have power!)

"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)

Language Learning
(ChinesePod—learn Mandarin)

Jenny Zhu

Podcasting
http://itunes.stanford.edu/

Listen: iTunes, PodcastAlley

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

Poll: Which interests you the most?

a. Podcasts
b. Wikis
c. Blogs
d. All Three!
e. Do not yet know

Podcasts and Wikis and Blogs Oh My!
(Find papers as PublicationShare.com
archived Talks at TrainingShare.com)

James Bonk