

The Flat World Swung Open: How Web Technology Is Revolutionizing Training and Education

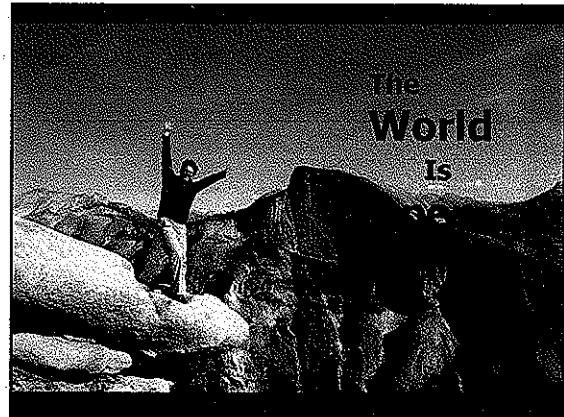
Curtis J. Bonk, Professor, Indiana University
President, SurveyShare
cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>



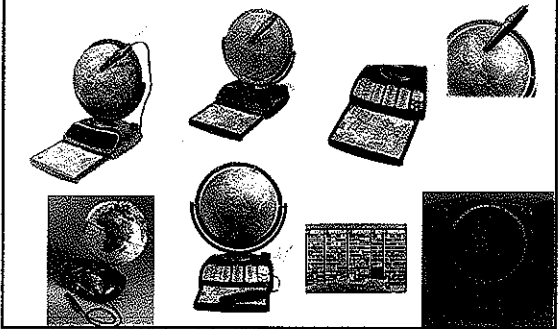
The Ten Forces that Flattened the World

Triple Convergence: (1) new economic
players, (2) playing fields, and (3) processes.

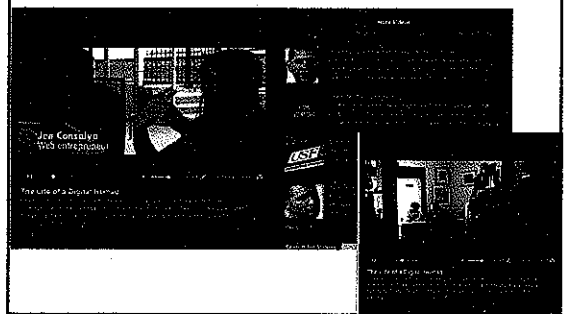
1. 11/9/89: Berlin Wall came down
2. 8/9/95: Netscape went public
3. Work Flow Software (e.g., PayPal and eBay)
4. Open-Sourcing (Self organ collob communities; Mosaic, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (e.g., Walmart)
8. Insourcing (UPS fixing Toshiba laptops)
9. In-forming (e.g., Google, Yahoo!, MSN Web Search)
10. The Steroids: Digital, Mobile, Personal, and Virtual (wireless, file sharing, VoIP, video camera in phone)



Oregon Scientific Smartglobe



The Life of a Digital Nomad, July 24, 2009, Washington Post
<http://www.washingtonpost.com/wp-dyn/content/video/2009/07/24/VI2009072402475.html?sid=ST2009072502431>



UCLA Summer Digs Program
 Dig in, archaeology fans! UCLA blogs to offer front-row seat at archaeology digs, Meg Sullivan, 6/25/2008

Michael Perham & Zac Sunderland, Summer 2009
 (each age 17;; youngest person to sail solo around the world...and blog on it, use Skype, YouTube, take videos, post pictures)

David Thomas, Archeologist, La Trobe University, Australia (Discovery News)

College technology 'catching up' with students
 By Kathleen Gray and Robin Erb, USA TODAY, October 6, 2009

Senior Emily Smak, 20, tries out the treadmill workstation in one of the study lounges in the new Education and Human Services Building at Central Michigan University. There is a new iMac computer attached to it so students can get a little exercise while doing homework or other things on the computer.

Poll #1: Bonk's Web Addiction Questionnaire (check all that apply)

1. Own 2 or more cell phones with Internet access.
2. Own 2 or more laptop computers with wireless connections.
3. Check email in the morning, noon, and at night.
4. Suffer from nervous tension when you cannot get on email.
5. Are checking email, updating your Facebook account, or text messaging right now.

Grandpa George (Goronja)
 (West Allis, Wisconsin, built tractors 40+ years)

Charles Wedemeyer
Learning at the Back Door (1981)
Nontraditional Learning

Poll #2: If you had to pick your favorite way to learn, what would it be like?

- Face-to-face (FTF)
- Fully online
- Blended (combining online and FTF)
- Television, correspondence, or radio
- Self-study and self-service

WE-ALL-LEARN:
Ten Forces that Opened the Learning World

- Web Searching in the World of e-Books (i.e., Darwin)
- E-Learning and Blended Learning
- Availability of Open Source and Free Software (e.g., Moodle)
- Leveraged Resources and OpenCourseWare (e.g., MIT)
- Learning Object Repositories and Portals (i.e., shared content)
- Learner Participation in Open Info Communities (YouTube)
- Electronic Collaboration and Interaction (sync and async)
- Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)

Audience Participation!

1. WE

2. ALL

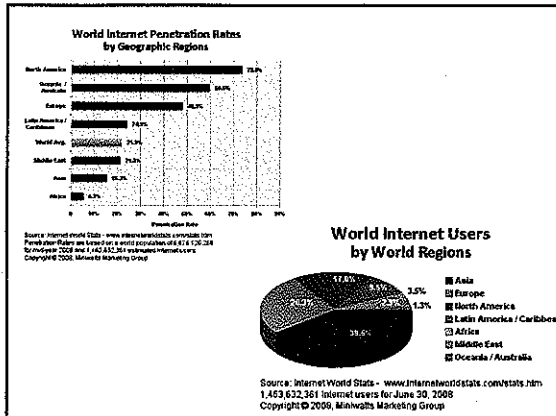
3. LEARN!!!

Triple Learning Technology
Convergence of
"WE-ALL-LEARN"

1. **Pipes:** The availability of tools and infrastructure for learning.
2. **Pages:** The availability of free educational content and resources (OER—Open Educational Resources).
3. **Participatory Learning Culture:** A move towards a culture of open access to information, international collaboration, and global sharing.

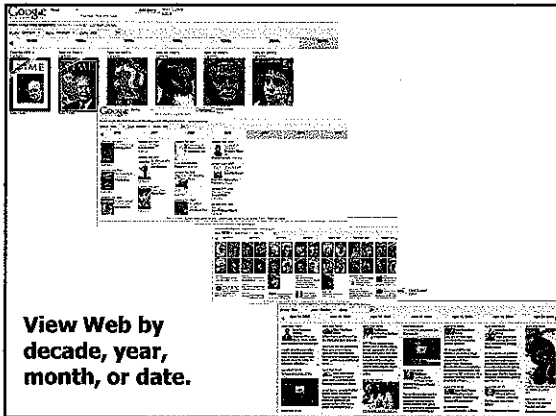
4th P? Processing Speed
 Scientists develop fastest computer
 June 9, 2008, H. JOSEF HEBERT, AP

- To put the computer's speed in perspective, it has roughly the computing power of 100,000 of today's most powerful laptops stacked 1.5 miles high, according to IBM. Or, if each of the world's 6 billion people worked on hand-held computers for 24 hours a day, it would take them 46 years to do what the Roadrunner computer can do in a single day.



Norm Kamikow
Editor in Chief, CLO, April 2009, page 4

- Recently, I read a startling statistic: More than 53 trillion digital pages will exist online by 2010.
- I found this metaphor, based on commonly accepted measures of time, explaining order of magnitude between a million, a billion and a trillion. A million seconds was 12 days ago. A billion seconds ago, it was roughly May 1977, a span of 32 years. A trillion seconds ago, the Stone Age started.



- ### WE-ALL-LEARN:
- Ten Forces that Opened the Learning World
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 10. Networks of Personalized Learning (Blogs, RSS)
 11. TEC-VARIETY
 12. R2D2

Opener #1. Web Searching in the World of e-Books. What happens then?

WE

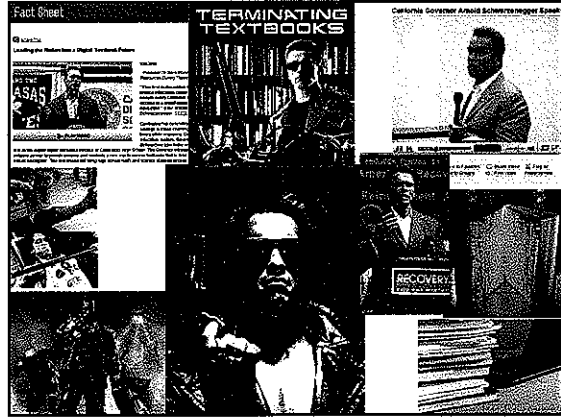
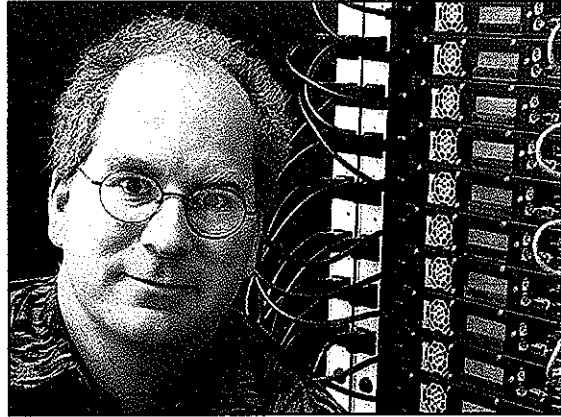
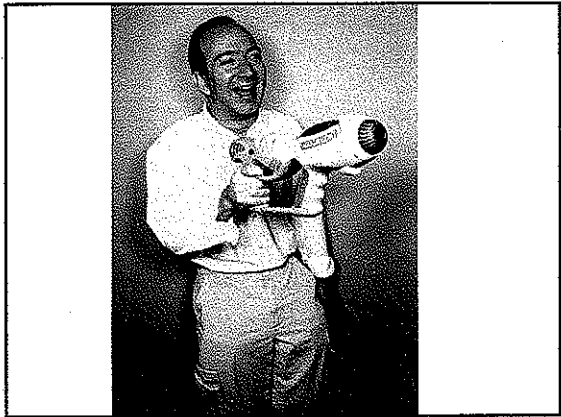
ALL

LEARN!!!

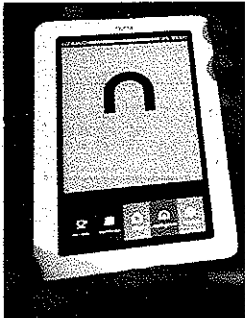
Opener #1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)



Marissa Mayer leads the company's product management efforts on search products - web search, images, news, books, products, maps, Google Earth, Google Toolbar, Google Desktop, Google Health, Google Labs and more. She joined Google in 1999 as Google's first female engineer and led the user interface and web server teams at that time. Her efforts have included designing and developing Google's search interface, internationalizing the site to more than 100 languages, defining Google News, Gmail, and Orkut, and launching more than 100 features and products on Google.com.



Barnes & Noble unveils its e-reader, USA Today, October 21, 2009
<http://blogs.usatoday.com/technology/live/2009/10/barnes-noble-unveils-its-e-reader.html>



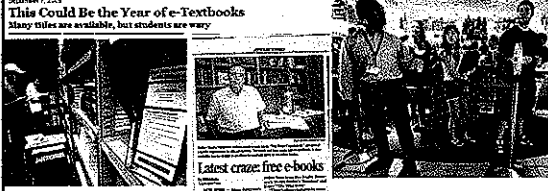
USA TODAY Money
Barnes & Noble unveils new e-reader: the 'nook'

By **Mike Greenberg, AP News Writer**

It's a device that's smaller than a book, but it's packed with the same amount of text as a book. It's also a device that's smaller than a book, but it's packed with the same amount of text as a book. It's also a device that's smaller than a book, but it's packed with the same amount of text as a book.

This Could Be the Year of e-Textbooks
Many titles are available, but students are wary.
 Jeffrey Young, September 7, 2009

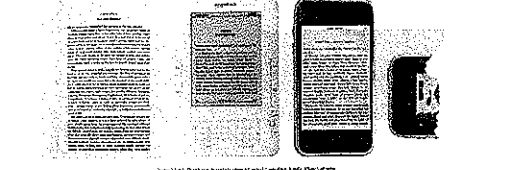
September 7, 2009
This Could Be the Year of e-Textbooks
 Many titles are available, but students are wary.



Sign of the times: At the San Diego State U. bookstore, a poster exhorts students to "Buy This Textbook as an eTextbook."

E-books: 4 choices (Paperback, Kindle, iPhone, or iPod listening)

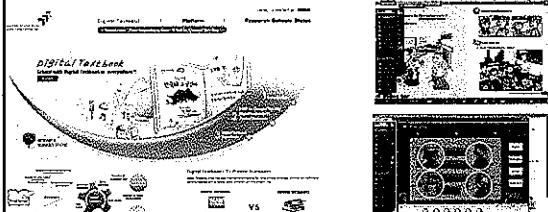
Reading Dickens Four Ways
 How 'Dickens' lives in multiple text formats




Digital Textbook in Korea
 dictionary, email and forums, games, simulations, hyperlinks, multimedia, authoring, data search, study aids, evaluation, etc. (112 schools as of 2009; free for all schools by 2013)

<http://www.dtbook.kr/eng/index.jsp>


http://teachertube.com/members/newVideo.php?Video_Id=105496&Item=Digital_Textbook_in_Korea

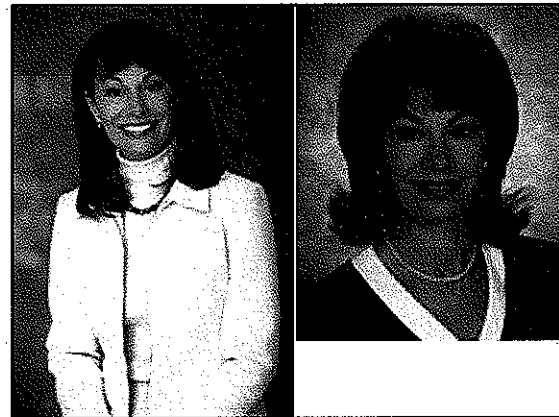
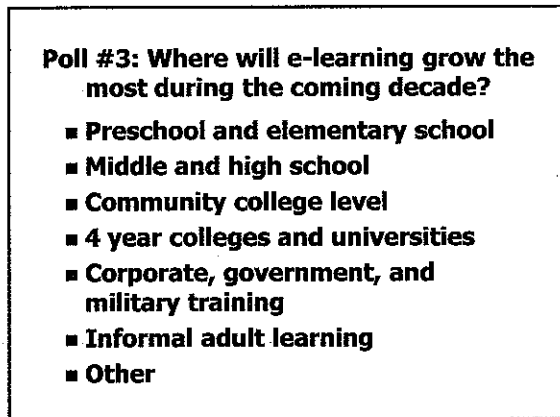
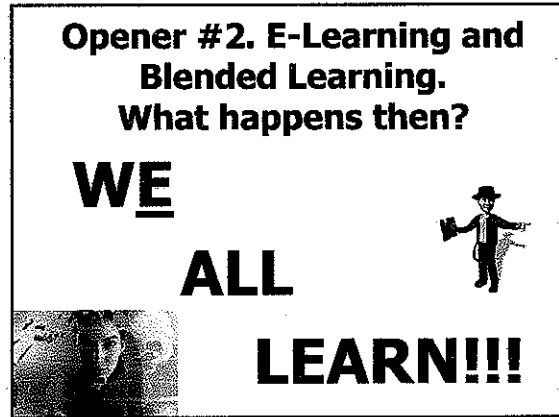
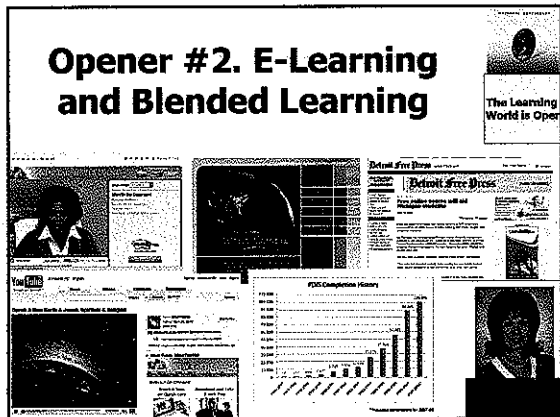
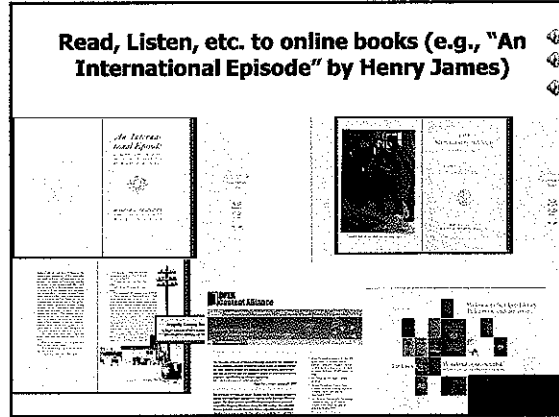


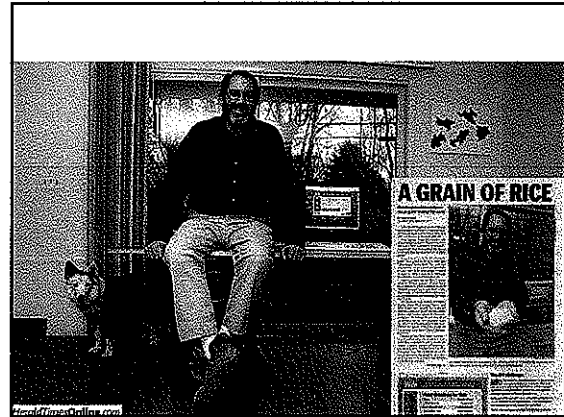
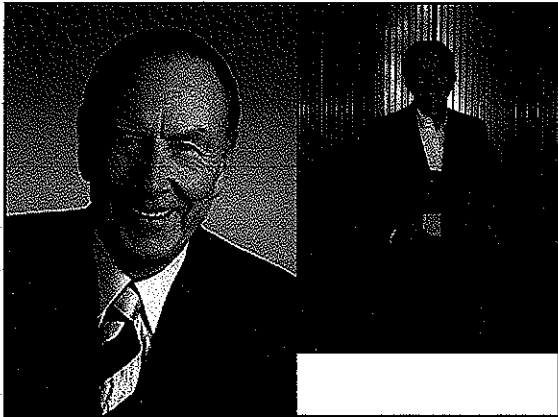
Free Online Books
 (Terry Anderson and Fathi Elfoumi, eds. *Theory and Practice of Online Learning*; Canada: Athabasca University, 2004),
http://cde.athabascau.ca/online_book/, 55,000 downloads in first year)



Global Text Project (free textbooks for those in less developed countries)
<http://globaltext.org/>







Capella Tower
225 South Sixth Street, Minneapolis
Formerly, the "Halo"

Kelley Direct Online MBA

Dog Get Degree, The Chronicle of Higher Ed, Sept 23, 2009
Unmuzzling Diploma Mills: Dog Earns M.B.A. Online, Marc Parry
http://chronicle.com/blogPost/Unmuzzling-Diploma-Mills-Dog/8175/7sid=at&utm_source=at&utm_medium=en

Teaching Under Fire and Online From 'Mortarville' in Iraq.
October 5, 2009, Chronicle of Higher Ed

Cheryl Wachenheim, an associate professor at North Dakota State U., was deployed to Iraq but decided to keep teaching her economics classes online.

"It was especially easy to teach about shortages and surpluses," she says. "When we heard that the base had Diet Mountain Dew, I can't even explain how exciting that was, and I could explain firsthand just what a shortage can do."

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)



If have a Strategic Plan...

- 60 percent share with employees
- 24 percent put on website for anyone to download
- 37 percent say it is working; another 27 percent say it is not working
- 70 percent say it addresses online learning
- 47 percent say it addresses BL; 37 percent say it does not
- 32 percent say organization has a specific model or framework for BL; 48 percent say no

Which will promote blended learning the most ?

Increasing use of real world cases stories and examples in training	34.58
Increased collaboration, community building, and global connectedness	26.17
Increasingly individualized or personalized e-learning	11.21
Increasing focus related to on-demand learning	9.35
Learners/employees making their own learning decisions	8.41
The blurring of the lines between work and learning	8.41
Increased use of hand-held and mobile devices	1.87

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



AMA Special Report, Blended Learning Opportunities

Alison Rossett (2006)

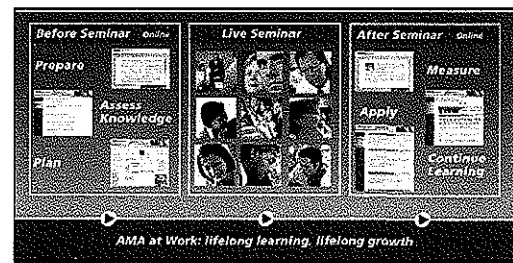
Table 1. What Might Go in the Blend

Live face-to-face (formal) <ul style="list-style-type: none"> • Instructional classroom (F2F) • Workshops • Coaching, mentoring • On-the-job (OTJ) training • Work-based problems 	Live face-to-face (informal) <ul style="list-style-type: none"> • Collegial relationships • Work teams • Apprenticeships
Virtual collaboration/asynchronous <ul style="list-style-type: none"> • Live e-learning classes • Peercoaching, e-mentoring • Instant messaging, SMS 	Virtual collaboration/asynchronous <ul style="list-style-type: none"> • Email • Online communities and discussion boards • Listservs • Blogs, wikis, podcasts
Self-paced learning (print, CD/DVD, electronic, wireless) <ul style="list-style-type: none"> • Online modules • Online resource links • Simulations and scenarios • Assessments and self-assessments • Workbooks, readings 	Performance support <ul style="list-style-type: none"> • Online help systems • Print job aids • Online knowledge databases • Documentation • Performance support tools

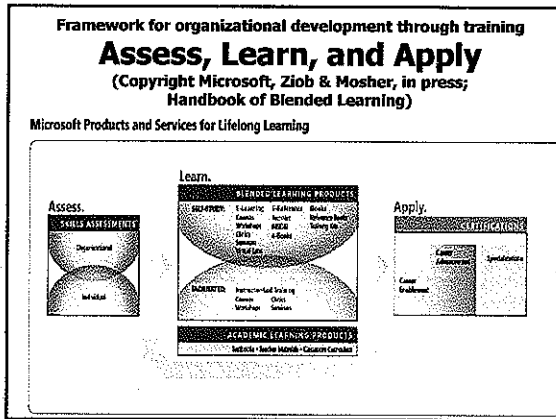
Adapted from (Rossett, Douglas, & Pruzan, 2001, July)

AMA Special Report, Effectively Implementing a Blended Learning Approach

(Steven Shaw & Nicholas Ianeri, 2006)



Source: American Management Association, AMA at Work



Blended Learning Form Factors

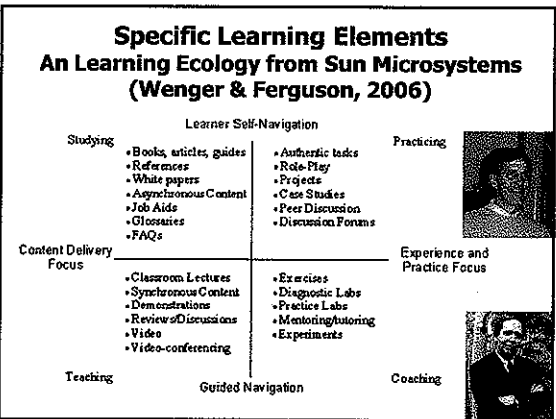
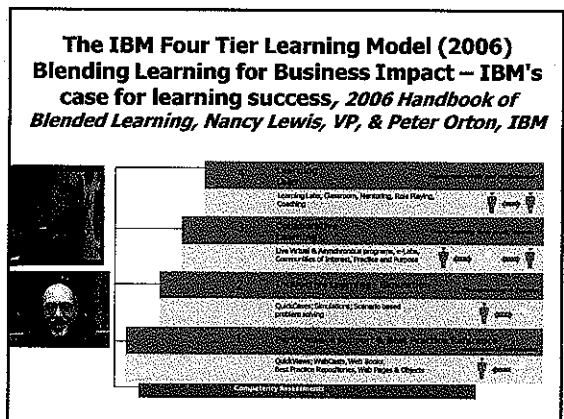
(copyright Microsoft, Ziob & Mosher, 2006; Handbook of Blended Learning Environments)

Live Instructor-led	Self-paced learning	Tools for learning communities
<ul style="list-style-type: none"> Traditional classroom Onsite engagement Virtual online classroom Live video via satellite or videoconferencing Online coaching/mentoring 	<ul style="list-style-type: none"> Instructor-led classroom via e-mail Online or computer-based training (CBT) Self-study guides, manuals, texts Online resources and databases 	<ul style="list-style-type: none"> Chat Instant messaging (IM) Newsgroups and forums Collaboration

Blended Learning Scenario

(copyright Microsoft, Ziob & Mosher, 2006; Handbook of Blended Learning Environments)

Pre-Class	Day 1	Day 2	Day 3	Day 4	Day 5	Post-Class
Self-study prep	In classroom	Virtual class	e-Learning	Virtual class	In classroom	Community newsgroups

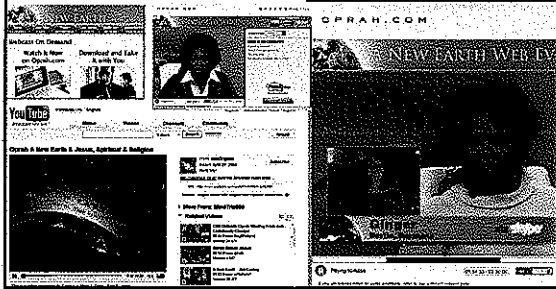


Current Learning Elements

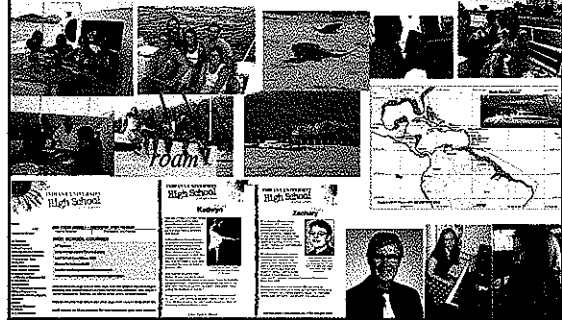
An Learning Ecology from Sun Microsystems

Current Learning Elements
<ul style="list-style-type: none"> Classroom (instructional) content Self-paced web content Self-study guides Certification Practice tests Remote labs Mentoring Asynchronous discussion forums Documentation Procedural job aids Guided lab activities Learning management system Transfer of Information – recorded audio and slide presentations Webcasts Video Performance Support

2 Million People Sign up for Part I of Oprah's Course on Spiritualism (Skype; 500,000 simultaneous videostreams, March 2008)



Indiana University High School (4,000 students and 1,400 enrolled in diploma programs)



Adora Svitak, age 12, World's Youngest Teacher



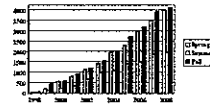
Total and Online Enrollment in Postsecondary Institutions Fall 2002 through Fall 2006

(For Degree-Seeking Institutions)

	Total Enrollment	Annual Growth Rate Total Enrollment	Students Taking at Least One Online Course	Annual Growth Rate Online Enrollment	Online Enrollment as Percent of Total Enrollment
Fall 2002	10,611,710	NA	1,502,970	NA	8.7%
Fall 2003	10,990,479	3.7%	1,271,297	-33.0%	11.7%
Fall 2004	17,272,083	2.2%	2,329,783	18.2%	13.5%
Fall 2005	17,428,520	0.9%	3,152,050	28.5%	18.2%
Fall 2006	17,647,220	1.3%	3,483,381	9.7%	16.6%

SOURCE: Online Education: Five Years of Growth in Online Learning (October 2007)

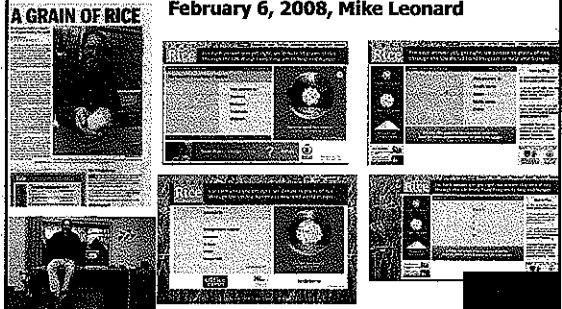
UIS Online & Blended Enrollment



Free and Open Courses (Tom Reeves Evaluation Course at Georgia; David Wiley's Web 2.0 courses at BYU; Connectivism from George Siemens and Stephen Downes, 24 enrolled, 2,000+ sitting in)



A Grain of Rice: A Bloomington man's computer vocab game feeding the world Herald Times, Wednesday February 6, 2008, Mike Leonard



Opener #3. Availability of Open Source and Free Software (e.g., Linux, Apache, Moodle, Sakai)

The Learning World is Open

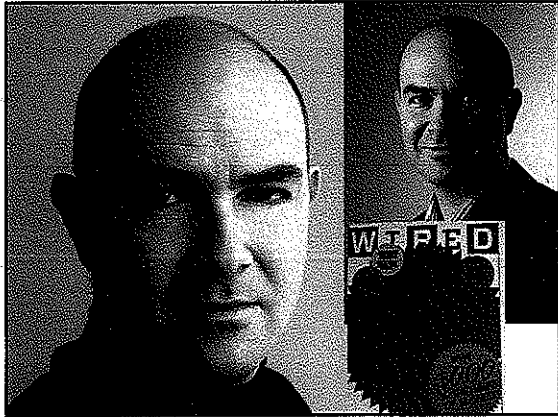
Opener #3. Availability of Open Source and Free Software. What happens then?

WE

ALL

LEARN!!!

Mitch Kapor



USA Today, August 10, 2010, Kerry Hannon
http://www.usatoday.com/printedition/money/20090810/free10_st.art.htm?loc=interstitialskip

Money Bookshelf

Author offers 'Free' advice on concept as a marketing tool

Give people something they'll want to spend money on

BY CHRIS ANDERSON

Chris Anderson's new book, *The Long Tail*, is a guide to the power of niche products and services. It's a book that's already a success story, having spent more than 100 weeks on the New York Times best-seller list. Anderson's book is a must-read for anyone interested in marketing, business, or the future of the economy.

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Poll #4: Which of these have you heard or or used?

1. Angel
2. Blackboard
3. Desire2Learn
4. eCollege
5. Moodle
6. Sakai
7. WebCT
8. Other
9. None

Moodle (620,000 registered users in 204 countries speaking 78 languages, 2/10/2009)

The screenshot shows the Moodle website interface. On the left, there are several charts and graphs, including one titled 'Moodle sites' and another titled 'Moodle downloads'. On the right, there is a large grid of user avatars, each with a small profile picture. The overall layout is clean and professional, with a focus on community and user engagement.

The Sakai Project (over 100 organizations today, Sakai Project began in 2004 when Stanford, Michigan, Indiana, MIT, and Berkeley)

The screenshot shows the Sakai Project website. The top part of the page features the Sakai logo and a navigation menu. Below the menu, there are several sections of text and images, including a portrait of a man. The website is designed to be user-friendly and informative, providing a clear overview of the project and its goals.

Sakai collaboration and learning for educators, by educators free and open source

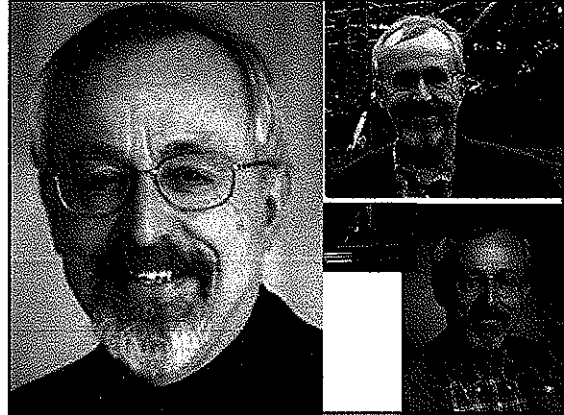
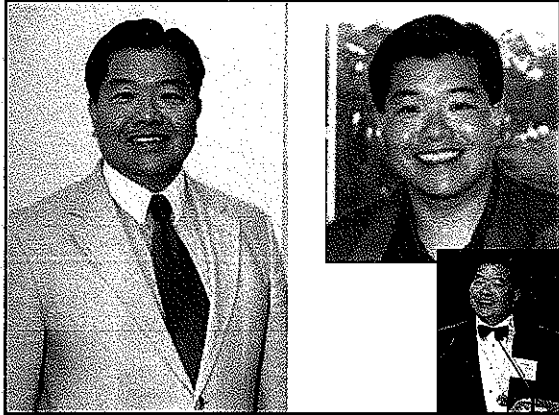
Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from MIT, Utah State, CORE, OOPS)

The collage features several images related to OpenCourseWare and online learning. On the left, there is a cartoon character holding a book. In the center, there is a diagram showing a network of nodes and connections, with the text 'Opencast Community | Projects' below it. On the right, there is a group of people standing together, with the text 'We Remix Open Textbooks!' below them. The overall theme is one of collaboration and sharing resources.

The Learning World is Open

Remix Open Textbook

We Remix Open Textbooks!



USA Today, July 21, 2009
 Tech Confab With a Conscience Goes Global
http://www.usatoday.com/tech/news/2009-07-20-technology-entertainment-design-ted_n.htm

Bill Gates speaks at this year's TED conference

Open Educational Resources (OER)
 Post Courses in YouTube and iTunes (e.g., Berkeley)

OpenCourseWare (OCW)
 Cute Kitten or Transformation? (per George Siemens)

MITOPENCOURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY OPEN EDUCATION
free education for all

Open Yale

MITOPENCOURSEWARE

OpenCourseWare Consortium

MITOPENCOURSEWARE

Open Yale

Open Courses: Free, but Oh, So Costly

Online students want credit; colleges want a working business model

By Marc Parry, Chronicle of HE (Steven Ziegler, hang glider)
October 11, 2009
<http://chronicle.com/article/Free-Online-Courses-at-a-Very/48777/>

How 4 Colleges Support Free Online Courses

Institution	Project	Number of courses	Major funding	Notes
The U of	Open Yale Courses	15, with plans to increase to 25	Roughly \$15 million from the William and Flora Hewlett Foundation and a	
Massachusetts Institute of Technology	MIT OpenCourseWare	1,340	\$44-million from Open CourseWare Free, but OCLC, other entities had made self-funding	
University of California, Berkeley	Open Learning Initiative	12	\$2.65-million from OCLC	
The U of	UC Irvine OpenCourseWare	42	\$97.5-million from the Board of Regents	

Wendy Ermold, University of Washington, scientific programmer and field technician for the Polar Science Center since 1998; with Mike Steele in the study of Arctic Circulation, and the mechanisms controlling it.

MIT OCW: Highlights for High School and BLOSSOMS Project

Opensource Opencourseware Prototype System (OOPS) funded by Lucifer Chu, Chairman and Janitor of OOPS, Taipei)

The Biggest OCW Localization Volunteer Group in the World

Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

Indian Institutes of Technology (IIT)

National Repository for Online Courses (NROC) Commons

The screenshot shows the NROC Commons website interface. At the top, there's a navigation bar with 'NROC Commons' and 'Home' links. Below that, a search bar and several filters are visible. The main content area displays a grid of course cards, each with a thumbnail image and text including the course title, instructor name, and a brief description. The courses listed include 'Introduction to Psychology', 'Introduction to Biology', and 'Introduction to Chemistry'.

Academic Earth <http://academicearth.org/>

Thousands of video lectures from the world's top scholars.

The screenshot shows the Academic Earth website. It features a prominent search bar at the top with the text 'ACADEMIC EARTH' and a search button. Below the search bar, there's a navigation menu with options like 'Home', 'About', 'Contact', and 'Help'. The main content area displays a grid of video lecture thumbnails, each with a title and a small image of the lecturer. The titles include 'The History of Chemistry', 'The Philosophy of Life and Death', and 'The History of the World'.

Cape Town Open Education Declaration Declaration, Dec 2007 <http://www.capetowndeclaration.org/>

The screenshot shows the Cape Town Open Education Declaration website. It features a header with the title and a URL. Below the header, there's a section titled 'THE CAPE TOWN OPEN EDUCATION DECLARATION' with a list of signatories. To the right, there's a map of Cape Town and a cartoon character holding a sign that says 'Declaration, Dec 1776'. The website also includes a search bar and a navigation menu.

Peer2Peer University and University of the People (free!)

Neeru Paharia is behind Peer2Peer University, Fast Company, September 2009, How Web-Savvy Edupunks Are Transforming American Higher Education

Israeli Rejuvenation: Plans a Free Global University That Will Be Online Only

The screenshot shows a collage of articles and images. The main focus is on Peer2Peer University and University of the People. It includes a photo of Neeru Paharia, a cartoon character, and several article snippets. One article is titled 'Israeli Rejuvenation: Plans a Free Global University That Will Be Online Only' and another is 'Neeru Paharia is behind Peer2Peer University, Fast Company, September 2009, How Web-Savvy Edupunks Are Transforming American Higher Education'. There are also smaller images and text fragments scattered throughout the collage.

Opener #5. Online Learning Object Repositories and Portals (shared content)

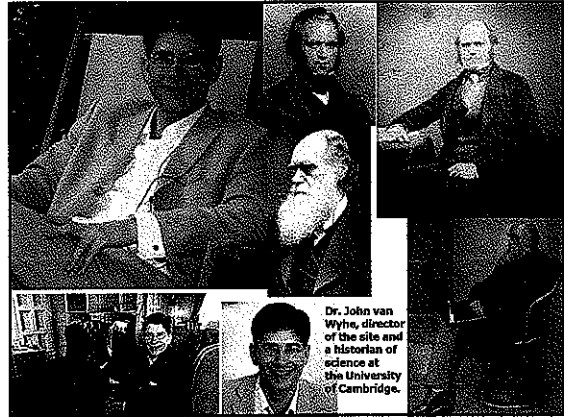
From left, three views of a fragment of one of the Dead Sea Scrolls: a plain digital image, a color scan and an infrared scan.

August 27, 2008, Israel to Display the Dead Sea Scrolls on the Internet, By ETHAN BRONNER, The New York Times

The Learning World is Open

The screenshot shows a presentation slide titled 'Opener #5. Online Learning Object Repositories and Portals (shared content)'. It features three images of a Dead Sea Scroll fragment: a plain digital image, a color scan, and an infrared scan. Below the images, there's a caption and a quote from Ethan Bronner of The New York Times. The slide also includes a small logo for 'The Learning World is Open'.

The screenshot shows a collage of images and text. It features a large portrait of Neeru Paharia, a cartoon character, and various logos and text fragments. The collage includes a 'Forbes' magazine cover, a 'Sun' logo, and a 'Cuma' logo. There are also several text fragments and smaller images scattered throughout the collage.



Tracking Live Internet Thawing: A Colossal of an Idea

Deep-Sea Behemoth
 Captain John Bennett examines the world's first intact adult male colossal squid on board his New Zealand fishing boat in February, 2007, in the Ross Sea near Antarctica. The gigantic sea creature weighs a world record 1,089 pounds. After being frozen whole for over a year, scientists at New Zealand's national museum will thaw the squid for further study.

Ida (a transitional species) 47-Million-Year-Old *Darwinius Masillae* Fossil the Missing Link? (wowOwow, May 20, 2009)

horizons blog

UNCOVERING OUR COMMON ANCESTOR

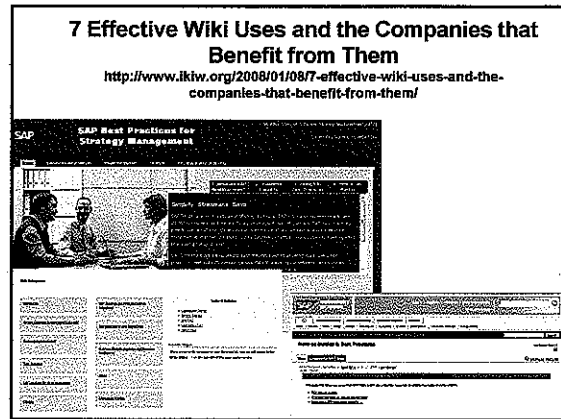
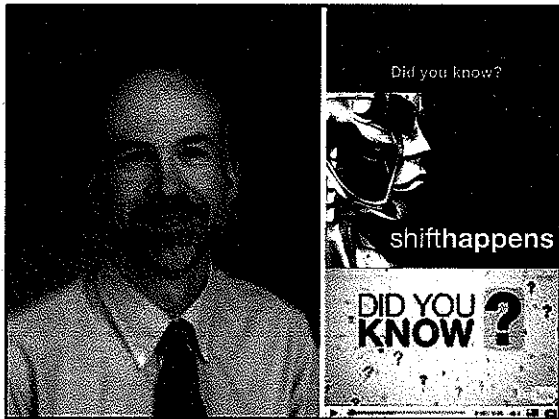
The Complete Works of Charles Darwin and Shakespeare

The Complete Works of Charles Darwin Online

Contributors

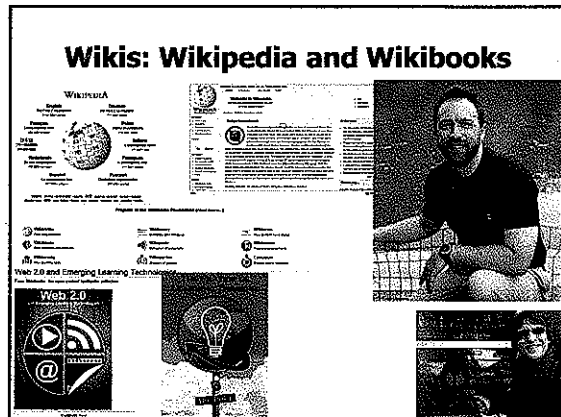
The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys

(Great Plague, Great Fire, Charles Dickens, Erasmus Darwin, Mary Wollstonecraft Shelley, Robert Browning, John Stuart Mill, Ralph Waldo Emerson, Elizabeth Barrett Browning, and Alfred Tennyson)



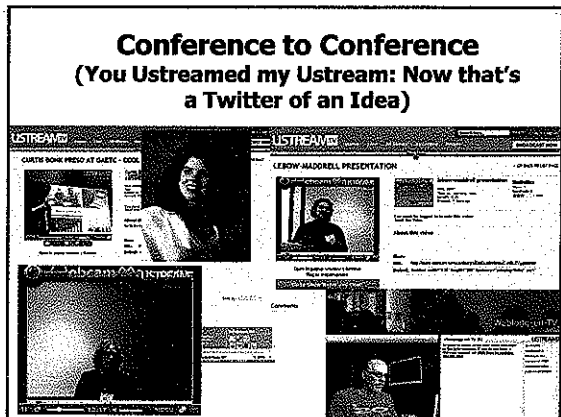
7 Effective Wiki Uses and the Companies that Benefit from Them
<http://www.ikiw.org/2008/01/08/7-effective-wiki-uses-and-the-companies-that-benefit-from-them/>

- **SAP: On the SAP Developer Network Wiki the, "main criteria for choosing to put content in the wiki is its volatility and dynamics, extendability and/or collaborative character. Ask yourself the question, if you want others to be able to change, extend, regroup, add, etc. your contribution." That's an excellent question to ask, especially for content that's going on a public wiki.**



Poll #5: Which of the following resources from the Wikimedia Foundation have you used (check all that apply)

1. Wikibooks
2. Wikicommons
3. Wikinews
4. Wikipedia
5. Wikiquote
6. Wikisource
7. Wikispecies
8. Wikiversity
9. Wiktionary



What makes a YouTube video motivating?



Employee Film Competitions (why accounting/finance is great!)



How to Start a Business

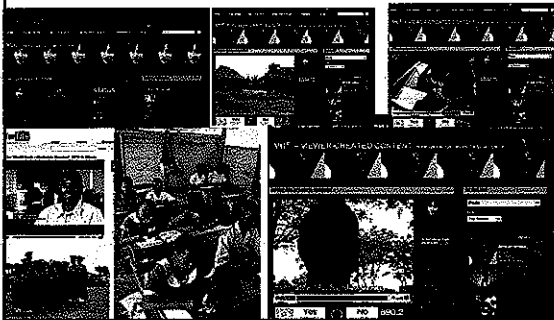


Shared Online Video (e.g., YouTube and the Royal Channel)

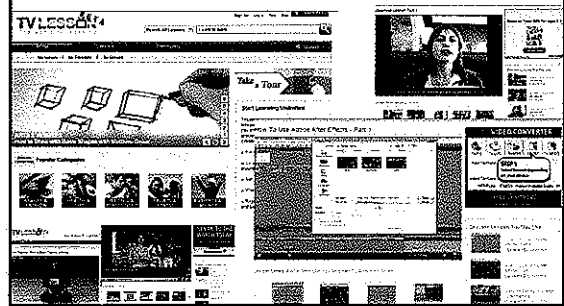


Individual Produced Videos (e.g., African School Dream in Current TV)

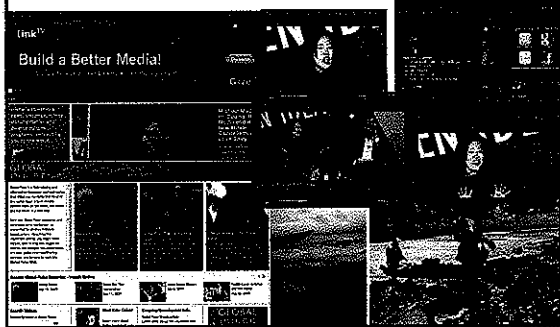
http://current.com/items/77146082_african_school_dream



TV Lesson (How-to lessons from experts: 1,000's of instructional videos and articles; <http://www.tvlesson.com/>)



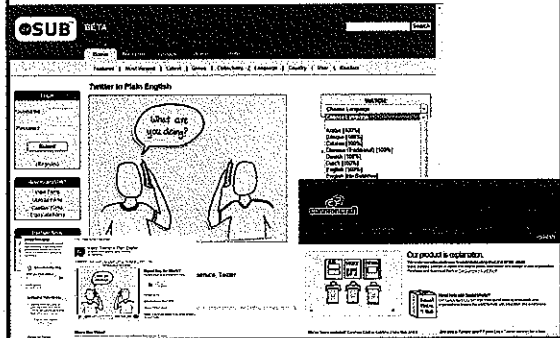
Link TV and Fora TV



Poll #6: Which shared online video resources have you used or seen used in teaching? (check all that apply)

1. BBC News Video and Audio
2. CNN.com Video
3. Current TV
4. Fora TV
5. Google Video
6. Link TV
7. MIT World
8. MSNBC.com
9. NASA TV
10. TeacherTube
11. YouTube
12. YouTube Edu

dotSUB (subtitling video)

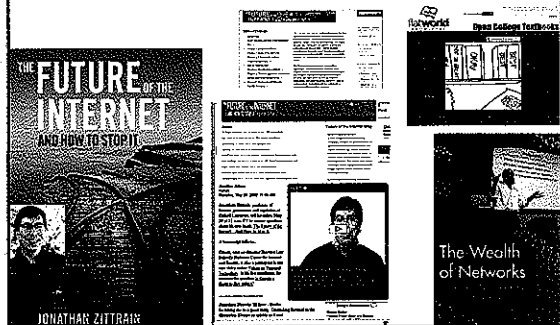


Brand New E-Book and Print book Opening Up Education

New Edited Book from MIT (free PDF, sample chapters, and hardcopy)
<http://mitpress.mit.edu/catalog/item/default.asp?type=2&tid=11309&mode=toc>



Participatory E-Books



Self-Publishing (print-on-demand) BookSurge (owned by Amazon), Lulu



Scribd: Documents on Web
<http://www.scribd.com/>; 21 million unique visitors per month, May 2008

The image shows a screenshot of the Scribd website. At the top, there's a navigation bar with 'Scribd.com' and various menu items. Below that, a section titled 'Publish Yourself Online' contains three main areas: 'Upload Documents', 'Share with the World', and 'Explore Our Library'. The 'Upload Documents' section includes fields for 'File name', 'Address', and 'Get feedback from your community'. The 'Share with the World' section has a 'Publish your document on the web' button. The 'Explore Our Library' section lists categories like 'Magazines', 'Books', 'Zines', 'Podcasts', 'Presentations', 'Sheet Music', 'PDFs', 'Audio', 'Video', 'Legal Docs', and 'E-books'. Below this, there's a section for 'Scribd' with a 'Corporate Reading Room Book and Salary Classes' and a 'Publish Your Documents' section with a 'Publish Your Documents' button. The bottom of the page features a 'Hotlist' and a 'Scribd' logo.

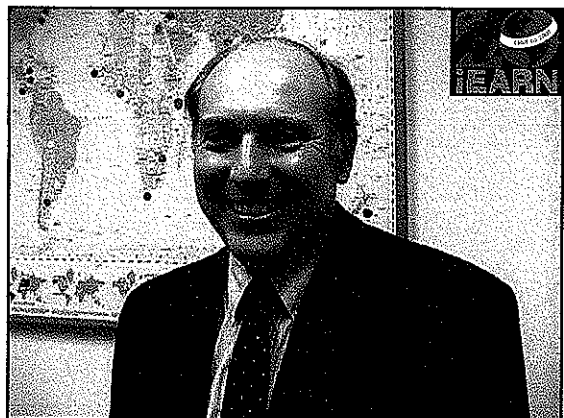
LibraryThing:
The World's Largest Online Book Club
 (you can be a "thingamabrarian;"
 850,000 users and 35 million books on member bookshelves)

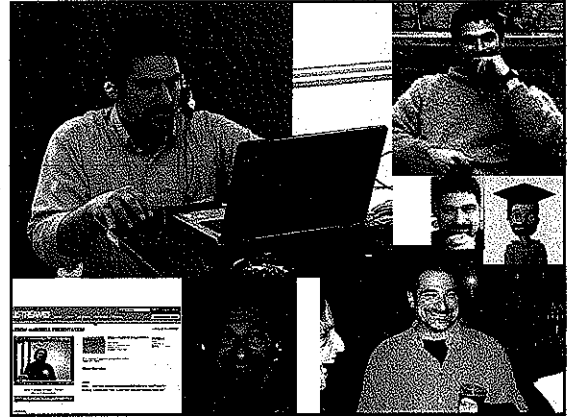
The image shows a screenshot of the LibraryThing website. The top part of the page features a navigation bar with 'LibraryThing.com' and various menu items. Below that, there's a section titled 'LibraryThing' with a 'Join LibraryThing' button. The main content area shows a user's bookshelf with a grid of book covers. On the right side, there's a 'My Bookshelves' section with a 'My Bookshelves' button. The bottom of the page features a 'LibraryThing' logo and a 'Join LibraryThing' button.

Opener #7. Electronic Collaboration and Interaction
 (synchronous & asynchronous)

The Learning World is Open

The image is a collage of educational and collaborative content. It includes several book covers and articles. On the left, there's a book cover for 'edutopia: The Collaboration Edge'. In the center, there's a book cover for 'Collaboration Generation'. On the right, there's a book cover for 'NEW SKILLS FOR A NEW AGE: How Schools Must Change to Succeed'. Below these, there's a portrait of a man wearing a headset, and a section titled 'CREATE' and 'COLLABORATE' with various icons and text.





Iran after the June Election
<http://www.cnn.com/video/#/video/world/2009/06/17/amanpour.uk.covering.iran.cnn>

Synchronous Conferencing Presentations

October 21, 2009
The Next Generation of Videoconferencing
http://chronicle.com/article/Beam-Me-to-the-Faculty-Senate-/48830/?sid=at&utm_source=at&utm_medium=en

Voxopop (audio threaded conversations)

<http://www.voxopop.com/>

The screenshot shows the Voxopop website with a navigation bar and a main content area. A prominent thread is titled "Human Rights Topic for Exploring Web 2.0 class". The interface includes search bars, user avatars, and text-based conversation threads.

Flat Classroom Projects!!! (combine blogs, videoconferencing, chat, async discussion, etc.)

About Us
International School District Class Photo

This section features a collage of images. One photo shows a group of students in a classroom setting, with the text "Flat Classroom" overlaid. Another photo shows a group of people, possibly a class photo. The text "International School District Class Photo" is also visible.

TutorVista has 600 tutors in India and 10,000 subscribers in the United States, including Kenneth Tham in Arcadia, Calif.

The image shows a person sitting at a desk in what appears to be a classroom or office environment. A computer monitor is visible in the foreground, and the person is looking towards the camera. The text below the image provides statistics and a specific example of a tutor.

EPals and iEARN (International Education and Resource Network)

The screenshot displays the iEARN website. It features a header with the organization's name and logo, a navigation menu, and several sections for "Featured Projects and Programs". There are also images of students and educational materials.

Teaching other to blog (Hole-in-the-Wall) technology

The screenshot shows a video player interface. The video content depicts a person in a classroom setting, possibly demonstrating the "Hole-in-the-Wall" technology. The video player includes standard playback controls and a progress bar.

Ice Stories Project from Antarctica

This section contains a collage of photographs related to the Ice Stories Project. The photos show people in various Antarctic settings, including a person in a snowsuit, a person in a boat, and a person in a snowy landscape. The text "Ice Stories Project" is visible in the collage.

1kg More Project for Rural China

<http://www.1kg.org/>

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

Massive Multiplayer Online Gaming (MMOG)

WisdomTools and Info in Place

<http://infoinplace.com/Extranet/LearningServices/>

Collaboration in a Multiplayer Serious Game: Oceana / Virtual Congress


Our Oceana / Virtual Congress project is a multiplayer game focused on providing a view of representative democracy and help them understand their role in order to make a topic that could be somewhat dull to school age students a more engaging and fun activity. We are creating a fantasy world called Oceana where multiple students will interact virtually to build a functioning community. This project demonstrates our collaboration both engaging and productive.

Healthcare in Second Life
<http://robinashford.posterous.com/>


Second Life
 (business, law, education, English, medicine)

**Opener #9. Real-Time
 Mobility and Portability.
 What happens then?**

WE



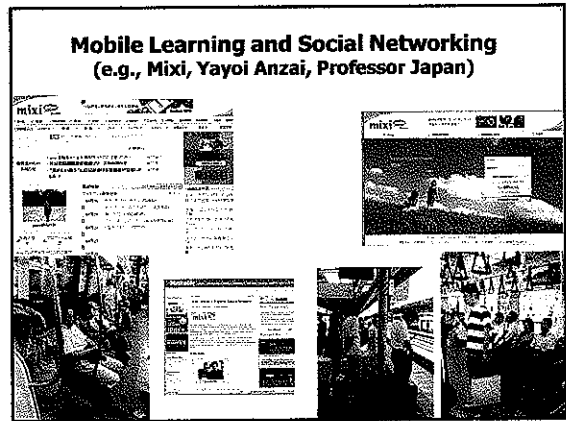
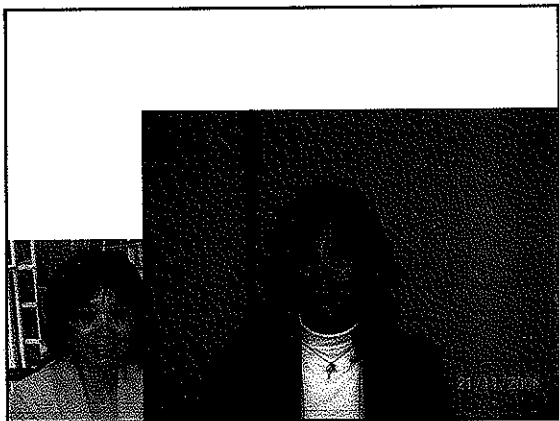
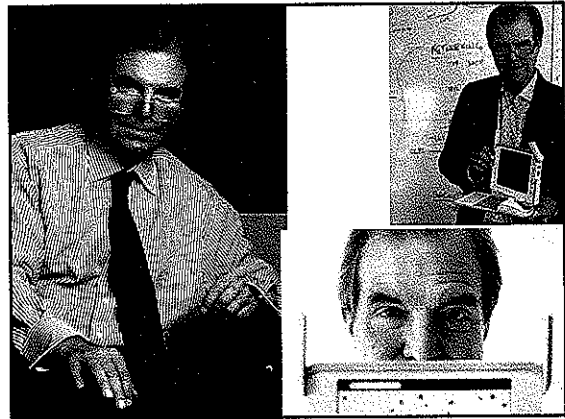
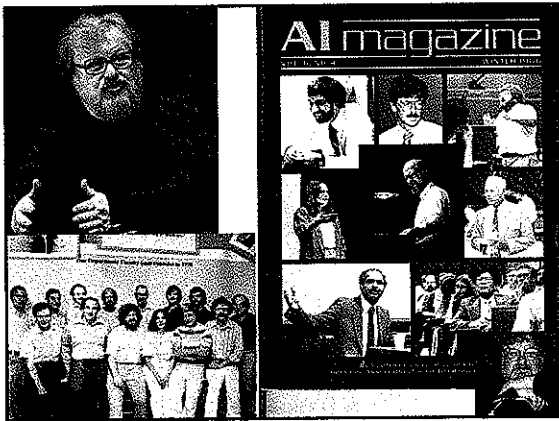
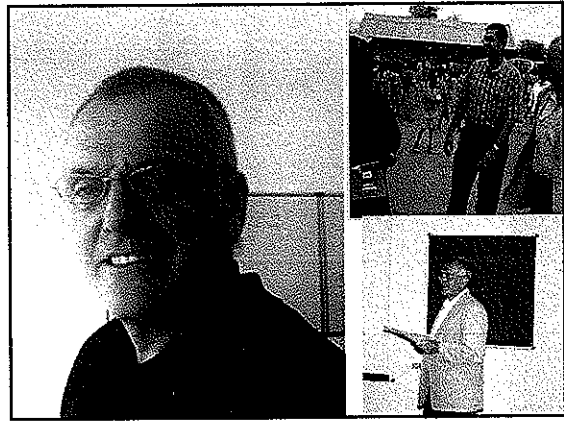
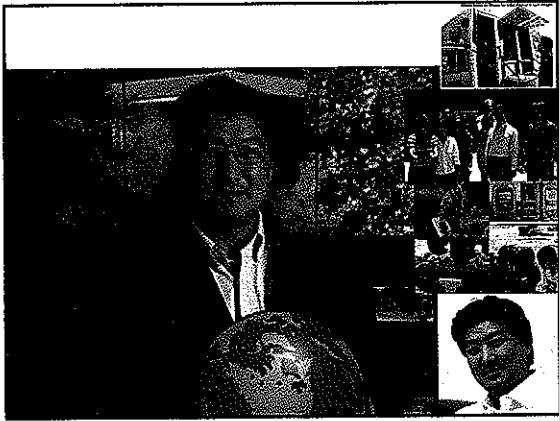
ALL



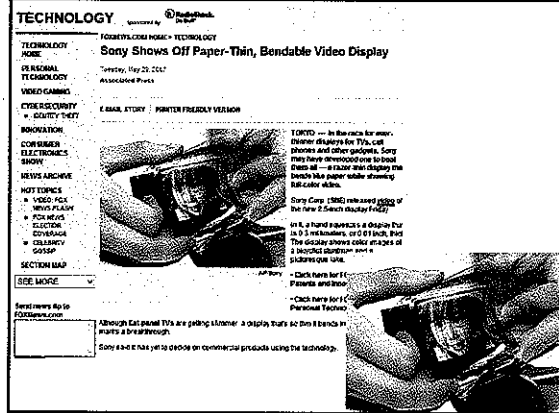
LEARN!!!

**Opener #9. Real-Time
 Mobility and Portability (e.g.,
 iPhone, low cost wireless devices)**

The Learning World is Open



Alexandria in our Pockets! What if every early elementary kid could have a terabyte (1,000 gigabytes or 1 trillion bytes) of data on a thumb drive? (Wired Magazine, October 26, 2007 says it will be possible in a few years; research from Arizona State)



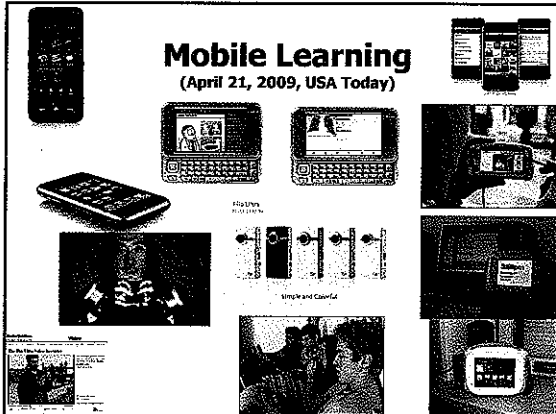
Terabyte thumb Drives and Magic Pens!
(The Pulse from Livescribe, \$129-\$169)



Poll #7: Would you buy a Pulse pen?

1. Yes
2. Maybe
3. No, too expensive
4. No, too technical
5. No, waiting for advancements in the technology
6. No, no need
7. Not interested

Mobile Learning
(April 21, 2009, USA Today)



Ocarina, Leaf Trombone lead big parade of iPhone apps, April 21, 2009, USA Today
Jefferson Graham

http://www.usatoday.com/tech/wireless/phone/s/2009-04-21-apple-iphone-ocarina_N.htm

- Their Ocarina, a 99-cent application that turns the iPhone into a virtual flute, has become one of the iPhone's best-selling apps — to the tune of nearly \$800,000. Now out is the sequel, the Leaf Trombone World Stage.
- "We believe in the potential of interactive sound; we believe that everyone is inherently creative; and we want to unlock that creativity in everyone," says Wang, 31. "We want to find new types of ways to connect people, using the technology we have before us."

Pull yourself away from that iPhone and read this story
 By Mary Brophy Marcus, USA Today, October 5, 2009
http://www.usatoday.com/printedition/11/2009/10/05/iappadoption05_sl.art.htm

■ 50 million iPhone users and 85,000 applications.




Pull yourself away from that iPhone and read this story

Feeling antsy? Ask your kids to play iPhone apps like 8 Spot every day.

iPods help ESL students achieve success
 iPod helps transform a classroom. eSchool News, May 11, 2009, By Meris Stansbury.

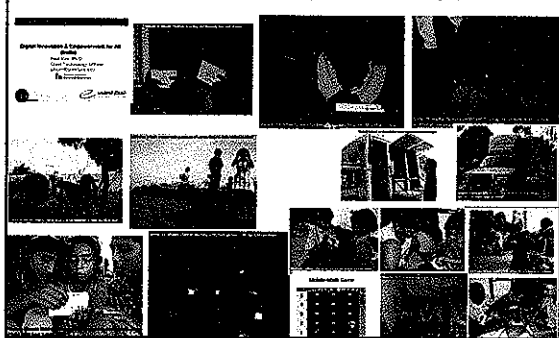
By Edward C. Baig, USA TODAY
 June 9, 2009
 New Apple iPhone 3G S shows promise with speed, battery life



eSCHOOL NEWS
 iPods help ESL students achieve success
 Students are learning English through songs, audio books, and more
 By Meris Stansbury, Associated Editor

Apple unveils zippier iPhone 3G S

Mobile Learning in India with Paul Kim
<http://www.stanford.edu/~phkim/cur/India.pdf>



Paper Translates & Engages for All
 Paper Translates & Engages for All
 Paper Translates & Engages for All
 Paper Translates & Engages for All

Africa is Going Mobile!

40,000 new mobile subscribers a week in Rwanda; Rwanda Newtimes report, January 2009


Africa is the continent with the fastest growth, where penetration has soared from just one in 50 people at the turn of the century to 28%. International Telecommunications Union (ITU), March 2009

India: In 2008, 7M new mobile subscribers a month. In January, 2009, the number sky rocketed to 15.4M (Growth was driven by people in the poorest region)

Globally: 60,000 new mobile subscriptions every hour!!!

(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://news.yahoo.com/s/yfp/20090308/ba_afp/indiaeconmytelecom

**One Laptop Per Child foundation (OLPC)
 (How about a \$12 laptop?)**




Designers on quest to build \$12 computer

India says it is developing a \$10 laptop
 No specs available; it would be used for educational purposes

Opener #10. Networks of Personalized Learning.
What happens then?

WE



ALL

LEARN!!!

Opener #10. Networks of Personalized Learning (Blogs, Podcasts, MySpace, Flickr, and RSS)

The Learning World is Open

September 30, 2009
the Samsung DualView TL225

Stephen Downes

EdTech Learning Networks
E-Learning 2.0
Learning objects
Half an Hour
Web 2.0
GQR

Chris McIntyre

Podcast Alley
Free the Airwaves

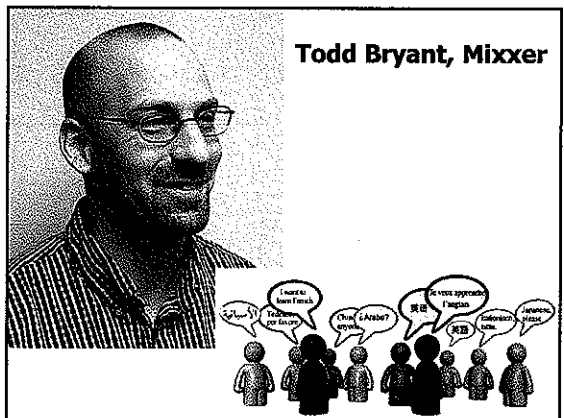
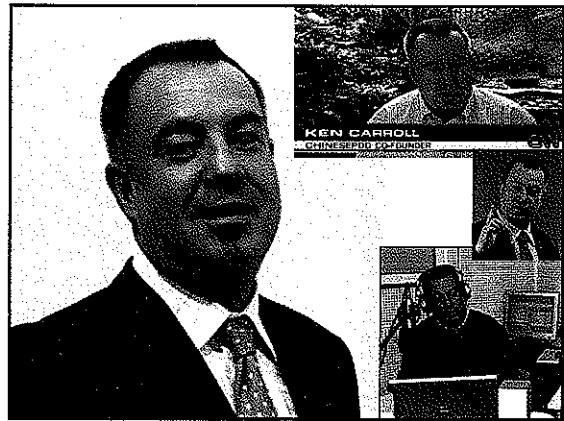
Mark Zuckerberg

facebook

Evan Williams and Biz Stone

twitter

Marc Andreessen and Gina Bianchini



18 and Under
Texting, Surfing, Studying?
 NY Times, October 13, 2009
 By PERRI KLASS, M.D.
http://www.nytimes.com/2009/10/13/health/13klas.html?_r=1&emc=eta1

Zoo Animals on Demand
 USA Today, September 8, 2009
 Littlest patients find distraction, comfort in live feeds from zoos

USA Today, Jon Swartz, For social networks, it's game on, USA Today, Thursday October 15, 2009

http://www.usatoday.com/tech/gaming/2009-10-15-games-hit-social-networks_N.htm

Technology » Gaming » Game reviews » Arcade » Jump the queue » Game reviews » Game reviews » Game reviews

For social networks, it's game on

By Jon Swartz, USA TODAY

SAN FRANCISCO — New games on the way are making headlines at the intersection of social networking and gaming. Facebook, MySpace and other social networking sites are being used to promote and play new games. It's a trend that is expected to continue as the industry grows.

Facebook, MySpace and other social networking sites are being used to promote and play new games. It's a trend that is expected to continue as the industry grows.

Facebook, MySpace and other social networking sites are being used to promote and play new games. It's a trend that is expected to continue as the industry grows.

Facebook: The New Classroom Commons?, Chronicle of HE, Harriet L. Schwartz, Sept. 28, 2009

SOCIAL NETWORKING

Top social networking sites

Facebook.com	43.5 million
MySpace.com	41.5 million
Twitter.com	11.8 million
LinkedIn.com	11.8 million
Bebo.com	11.8 million
Friendster.com	11.8 million
Orkut.com	11.8 million
Hi5.com	11.8 million
Delicious.com	11.8 million
StumbleUpon.com	11.8 million
Diigo.com	11.8 million
Reddit.com	11.8 million
4mat.com	11.8 million
Wotif.com	11.8 million
Wotif.com	11.8 million
Wotif.com	11.8 million

'Flocking' behavior lands on social networking sites

USA Today, September 28, 2009, Sharon Jayson

Growth of social networking sites

Social networking site users (as a percentage of total internet audience)

Flocking behavior lands online

T&D, Marjorie Derven, July 2009

Can Social Networking Address Downsides Impact for Employees?

With widespread layoffs as a result of the current economic state, social networking may address some of the losses that result.

Issue	How SNA May Help
Loss of institutional knowledge	Transfer and restore institutional knowledge
Loss of "hardcore" who are less loyal and engaged (contributed to the failure of the company)	Close and rebuild loose sense of community
Need to communicate a positive organizational vision for the future to reassure employees	Employees help to "take the pulse" and provide constructive actions
Loss of valued networks as colleagues have been let go	Build and reestablish new collaborations
Need to do more with less	Use social networking as an efficiency tool

Create a Social Networking Group (MySpace, Facebook, LinkedIn)

Podcast Shows TWiT (This Week in Tech) http://live.twit.tv/

Live Happy Practitioner Directory http://www.signalpatterns.com/practitioner

Use Happy iPhone Practitioner Directory

Learning Towns are Popping up!

ChinesePod, ItalianPod, SpanishPod, FrenchPod, and EnglishPod

Livemocha (29 languages, 160 hours of lessons, over 2 million users, FREE!)

Language Learning on Livemocha
Livemocha is the world's largest language learning community with over 2 million members! Designed for all language goals and levels, Livemocha offers free

Livemocha Challenge
Learning a new language? Take the Livemocha Challenge and test your foreign language skills!

Poll #7: If you had one language to learn online which would it be?

1. Arabic
2. Chinese
3. English
4. French
5. German
6. Hindi
7. Japanese
8. Korean
9. Russian
10. Spanish
11. Italian
12. Other

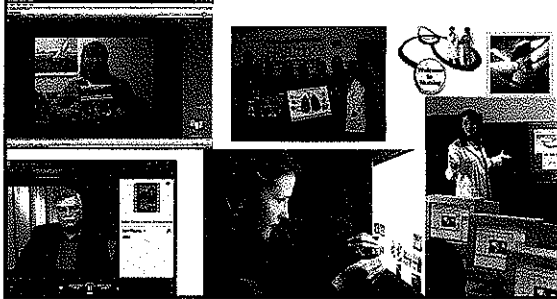
Some Online Motivational Ideas

THE ENGINEER OF ADULT EDUCATION • JANUARY 2010

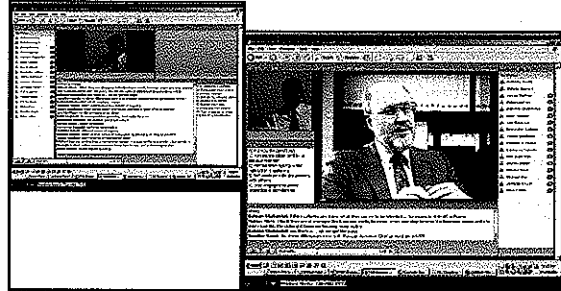
TEC-VARIETY Model for Online Motivation and Retention

1. **Tone/Climate:** Psych Safety, Comfort, Belonging
2. **Encouragement, Feedback:** Responsive, Supports
3. **Curiosity:** Fun, Fantasy, Control
- ...
4. **Variety:** Novelty, Intrigue, Unknowns
5. **Autonomy:** Choice: Flexibility, Opportunities
6. **Relevance:** Meaningful, Authentic, Interesting
7. **Interactive:** Collaborative, Team-Based, Community
8. **Engagement:** Effort, Involvement, Excitement
9. **Tension:** Challenge, Dissonance, Controversy
10. **Yields Products:** Goal Driven, Products, Success, Ownership

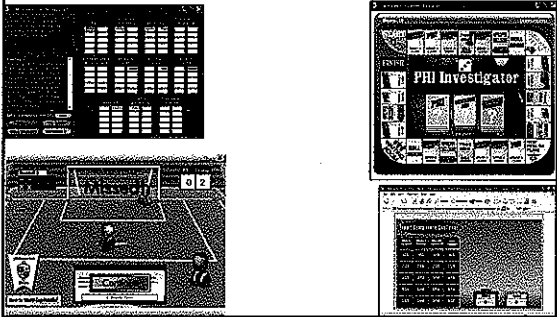
1. Tone/Climate: A. Video Course Intros
 (examples from Northern Virginia Community College
 and Indiana University KD (online MBA) program)



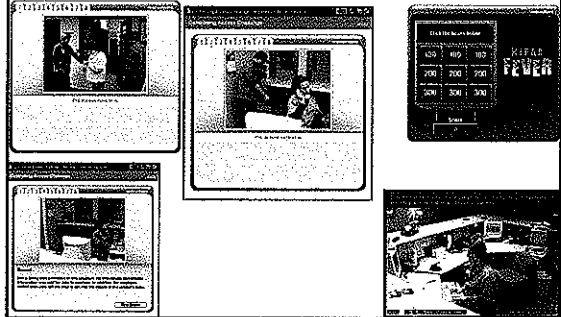
2. Encouragement, Feedback, etc.:
A. Instructor Presentation in Synchronous Sessions
 (Breeze, Elluminate, WebEx, etc.)



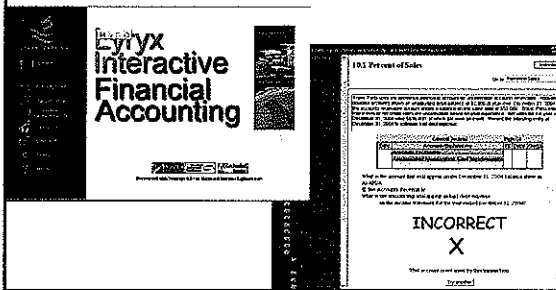
2. Encouragement, Feedback, etc.:
B. Learner Content Interaction (games):
 Business & Healthcare Examples (Option 6)



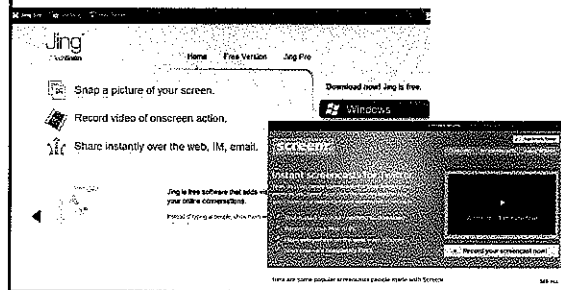
2. Encouragement, Feedback, etc.:
C. Learner Content Interaction (problems):
 Business & Healthcare Examples (Option 6)



2. Encouragement, Feedback, etc.:
D. Online Simulation: Financial Accounting;
 (University of Calgary)



2. Encouragement, Feedback, etc.:
E. Tutorials with Screen Capture
 (e.g., Jing, Screen)



2. Encouragement, Feedback, etc.:
F. Sharing Your Slides, Syllabus, Notes, Documents, etc. (e.g., SlideShare)

slideshare
 Upload and share your PowerPoint presentations, Word documents and Adobe PDF Portfolios on SlideShare. Share publicly or privately. Add audio to make a webinar. Take a tour or Start Uploading!

Browse by category

- ESSAYS
- LECTURES
- BOOKS
- SYLLABUS
- NOTES
- PRESENTATIONS
- RESEARCH
- TUTORIALS
- VIDEOS
- WEBINARS
- WORKSHEETS

Hot on Facebook

1234567890

The New Ruins of Persuasion

3. Curiosity, Fun:
A. Exploration and Demonstration:
Virtual Tours and Timelines (HyperHistory)
<http://simile.mit.edu/timeline/>

Virtual Tour of Oxford

Gates through the

4. Variety, Novelty:
A. Supplementing Course with Health Resources (portals, referatories, & repositories)

MERLOT HEALTH SCIENCES

Health Sciences Resources

Teaching People Learning Beyond Showcase

4. Variety, Novelty:
B. Creating your own instructor videos (Animoto, VideoSpin, Windows Movie Maker)

animoto

We make killer video from your images automatically

VideoSpin

4. Variety, Novelty:
C. Adding voice to email, docs (Yack Pack, VoiceThread)

pack

Yack Pack for Education

voicethread

VoiceThread is a powerful new way to talk about and share your images, documents, and videos.

4. Variety, Novelty:
D. Supplemental information (e.g., BookTV; <http://www.booktv.org/>)

BookTV

Top Nonfiction Authors and Books

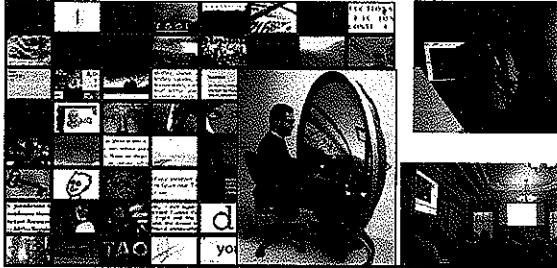
After Words

After Words: Owen Bell, "The Break: The Age of Obama" Interviewed by Dr. The New York Times

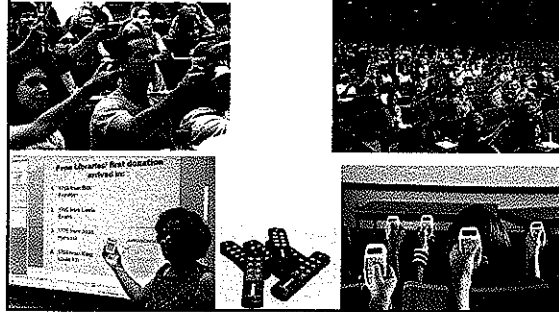
Watch This Program

- February 27th at 12pm (ET)
- February 28th at 3am (ET)
- February 28th at 6pm (ET)
- February 29th at 9pm (ET)
- February 30th at 12pm (ET)

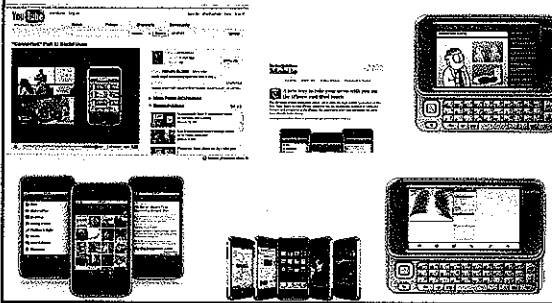
5. Autonomy, Choice: A. Online Literature Search (Class Google Jockeys)
 (links to text, soundtracks, video clips, etc.)



5. Autonomy, Choice: B. Clickers; Innovation is but one click away...



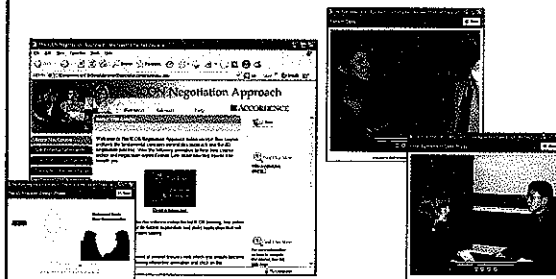
6. Relevance, Meaningfulness: A. Mobile News (New York Times): A new way to take your news with you on the iPhone and iPod touch



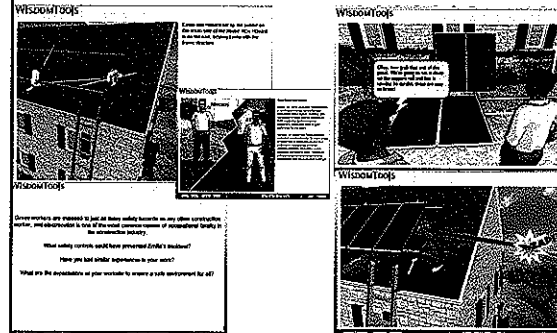
6. Relevance, Meaningfulness: B. A Blended Case Example – Krispy Kreme Management 101



6. Relevance, Meaningfulness: C. A Blended Case Example – Lilly Strategic Negotiation Training



6. Relevance, Meaningfulness: D. Wisdom Tools (scenario learning)



9. Tension, Challenge, etc.: C. Ethical Medical Debates

Students to protest human body exhibit

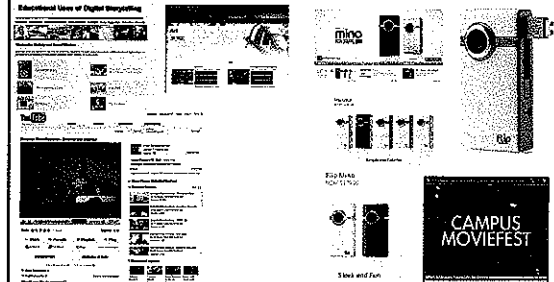
Maggie Ybarra

Issue Date: 3/5/08 Section: News

Print Email Add This



10. Yields Products, Goals: A. Movie Festivals, Concept Maps, Video Papers, Virtual Timelines, Digital Movies



Poll #4: How many ideas did you get so far?

1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.
7. More than 10.



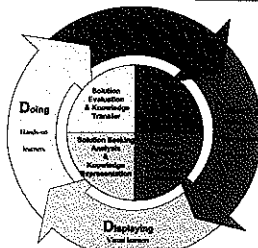
Part II: Addressing Learning Styles



The R2D2 Model

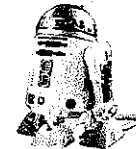
Empowering Online Learning

100+ Activities for Reading, Reflecting, Displaying & Doing



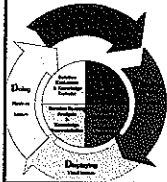
The R2D2 Method

1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)

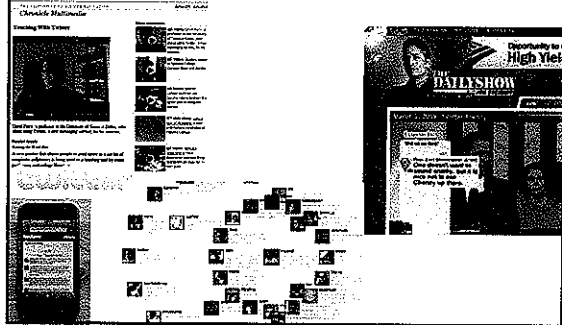


1. Auditory or Verbal Learners

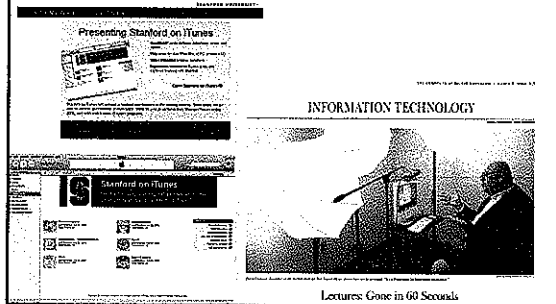
- Auditory and verbal learners prefer words, spoken or written explanations.



Read 1a. Course Announcements (e.g., Teaching with Twitter)

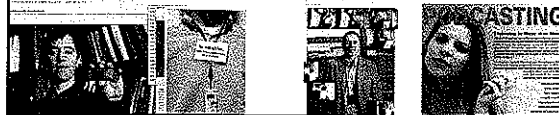


Read 1b. University Podcast Shows (School of Dentistry, Univ of Michigan) Educause Quarterly, 29(3), 2006

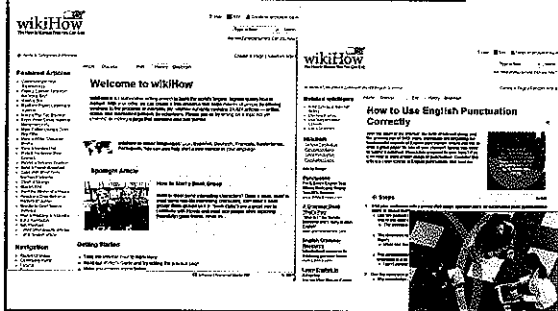


Poll #8: Podcast Questions

1. Have you listened to a podcast?
2. Do you listen to a certain podcast on a regular basis?
3. Have you created a podcast?
4. Have you created a vodcast?
5. Do you think podcasting is simply more talking heads?



Read 1c. Wiki Steps on How to do Something: Wikihow <http://www.wikihow.com/>



2. Reflective and Observational Learners

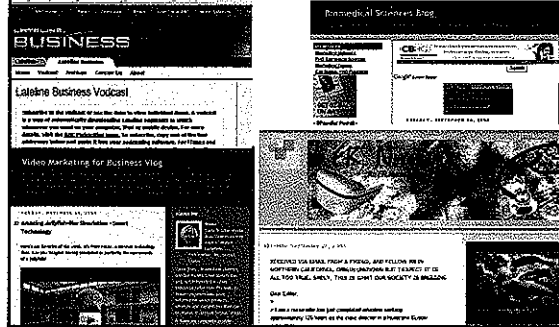
- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives



Reflect 2a. Blogs Uses

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

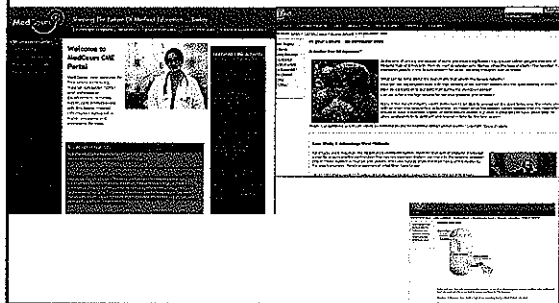
Reflect 2b. Expert and Domain Specific Blogs (Health and Business Blogs)



Reflect 2c. Watch or Listen to Online Conferences

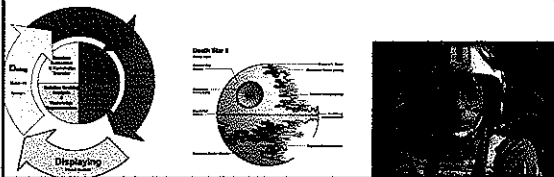


Reflect 2d. Business and Medical Cases Online (problems, solutions, etc.)



3. Visual Learners

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.



Display 3a. Anchored Instruction (find anchoring event (YouTube, CNN, BBC, TeacherTube, CurrentTV))

- In a synchronous lecture interrupt it with a summary video (could be a movie clip) explaining a key principle or concept.
- Refer back to that video during lecture.
- Debrief on effectiveness of it.



Display 3b. Medical Animations and Videos
 (find anchoring event (YouTube, CNN, BBC, TeacherTube, CurrentTV))

Display 3c. Online Timelines
 (US Presidents)

Display 3d. Concept Mapping and Timeline Tools
 (VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)

Display 3e. Flash, 3-D Visualization, & Laboratory Software

Display 3f. United Nations Opens World Digital Library, April 21, 2009
 Chronicle of Higher Ed, <http://www.wdl.org/en/>

Display 3g. Vodcast for Medical Training
 (e.g., "SonoSite on the small screen: The Bothell-based company uses podcasts for its ultrasound scanner training,"
 By Eric Fetters, Herald Writer, Everett, WA, Sept 25, 2006)

Dan Bates / The Herald, Sept 25, 2006
 David Levesque, vice president of global learning at SonoSite in Bothell, demonstrates the company's new podcast training for ultrasound technicians.

4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.



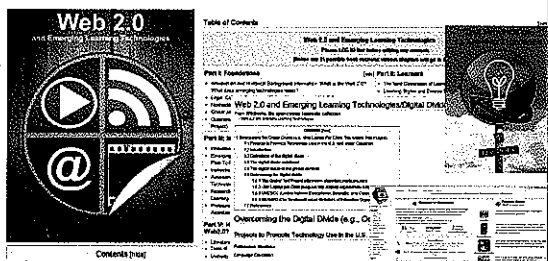
Poll #9: Wiki Questions (check all that apply)

1. I regularly read Wikipedia articles just for fun.
2. I have read one or more Wikibooks.
3. I seek out Wikipedia for content.
4. I have edited or written new articles on Wikipedia or Wikibooks.
5. I think it is ok for college students to cite from Wikipedia.

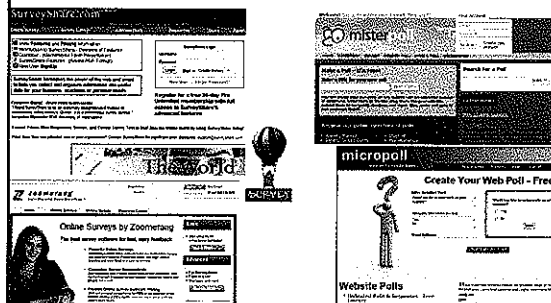


Do 4a. Wikibooks: International Collaboration (Web 2.0 and Emerging Learning Technologies (The WELT))

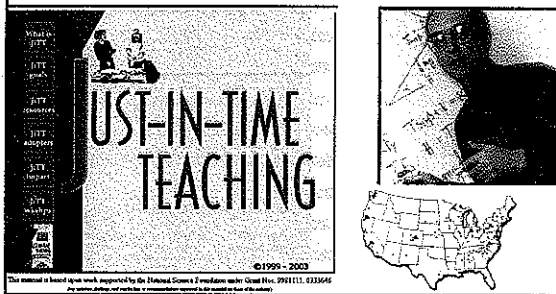
Web 2.0 and Emerging Learning Technologies
From Wikibooks, the open content textbooks collection



Do 4b. Survey Research and Market Analysis (e.g., Mister Poll, MicroPoll, Zoomerang, SurveyShare)



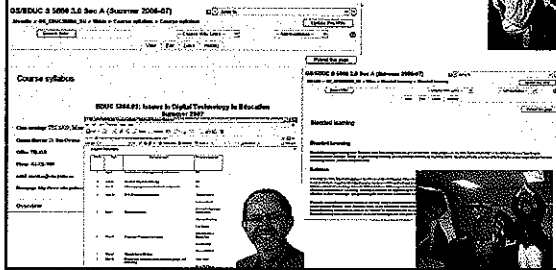
Do 4c. Online Warm-ups Activities Just-In-Time-Teaching (JiTT) <http://webphysics.iupui.edu/jitt/jitt.html>



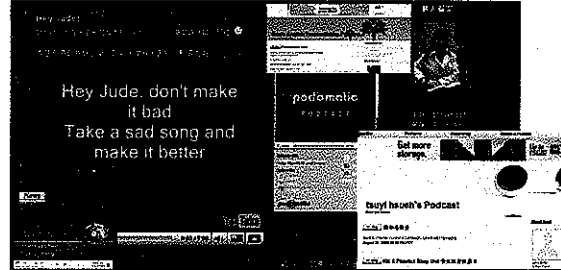
Do 4d. Online Performances Virtual Worlds/Reality/MMOG (e.g., Shakespeare plays reenacted)



**Do 4e. Syllabus, Glossary, etc. in wiki:
Students sign up for tasks
(Ron Owston, York University)**



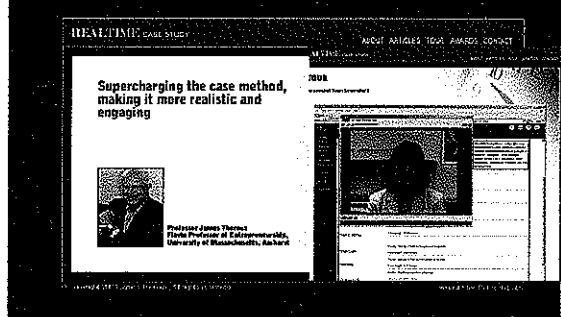
**Read 1f. Podcasts for students of
pronunciation class
(e.g., Tzu-Su Chen, Taiwan)**



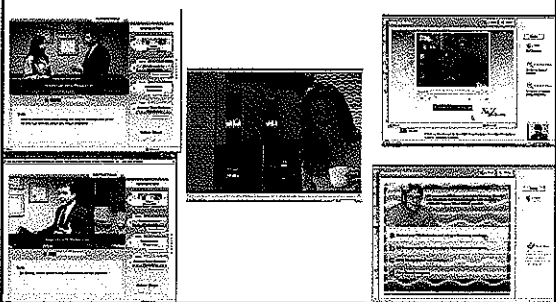
**Do 4g. Educational Simulations
(Medical Traumas from TD Magazine, Cells Alive)**



**Do 4h. Real World Problems
(PBL online): Real-time Cases**



**Do 4i. Video Scenario Learning
(Option Six, Wisdom Tools)**



**Poll #10: How many ideas did you get
from the second part of this talk?**

- a. None—you are an idiot.
- b. 1 (and it is a lonely #).
- c. 2 (it can be as bad as one).
- d. 3-5
- e. 6-10
- f. Higher than I can count!



**Try the R2D2 Method!!!
Try TEC-VARIETY!!!**

Sample papers :
<http://www.publicationshare.com/>
Archived talks:
<http://www.trainingshare.com/>



Predictions

1. Five Billion "Have-Nots" Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Terabyte Learning Access Points
5. The Veneration of Learning
6. Personalization+ Portfolios
7. The Selection of Global Learning Partners
8. The Shared Learning Era
9. Teaching-Learning Perpetuities
10. Teachers, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Amalgamations
15. Alexandrian Aristotles



Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: <http://worldisopen.com/>
The World is Open.
What happens then?

