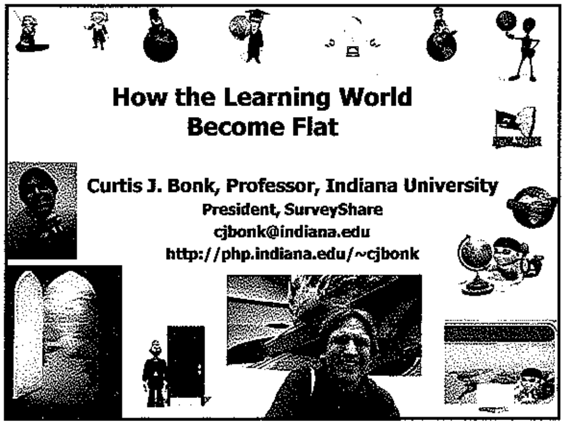
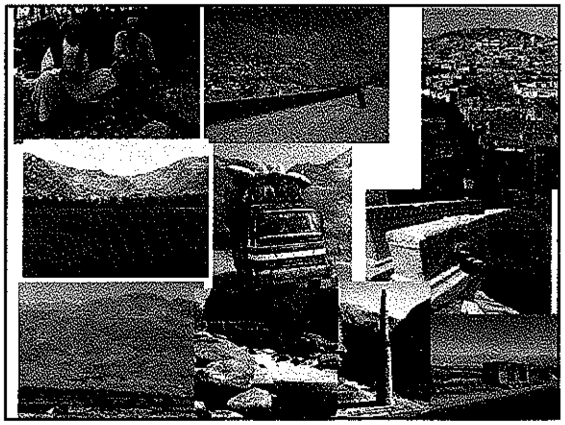


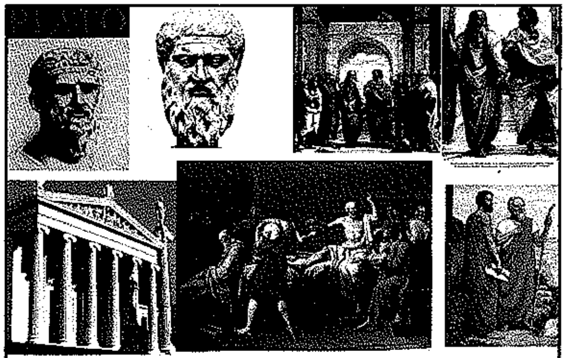
How the Learning World Become Flat

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

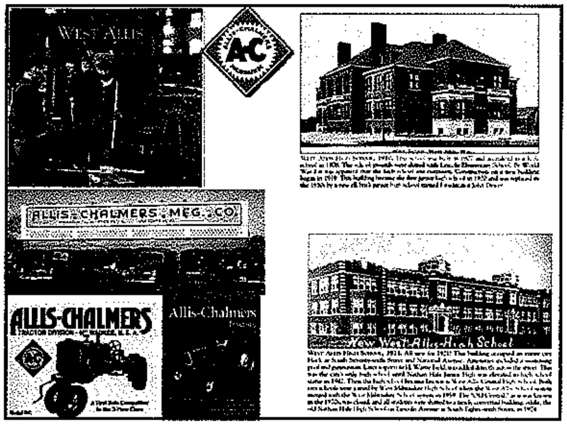
Do You Share?

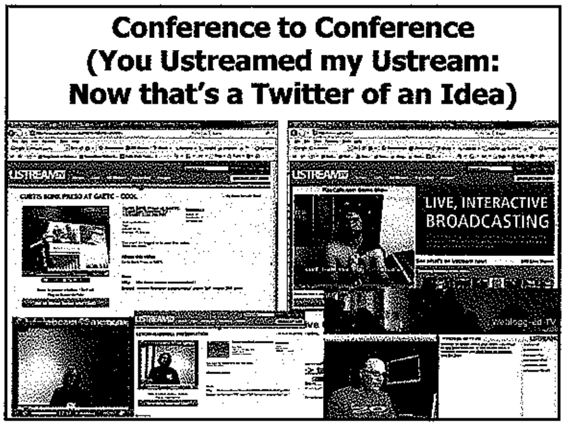
1. Who has shared music in an iPod or MP3?
2. Who has used collab software? (Google Groups, Yahoo Groups, Sharepoint)
3. Who has used online phone services such as Skype or Google Talk?
4. Who has been on an online team or group?
5. Who is in a school which uses international exchanges or expert guests?
6. Who has used Curriki, MERLOT, Connexions, or the MIT open courses?
7. Who has used Wikipedia or YouTube?





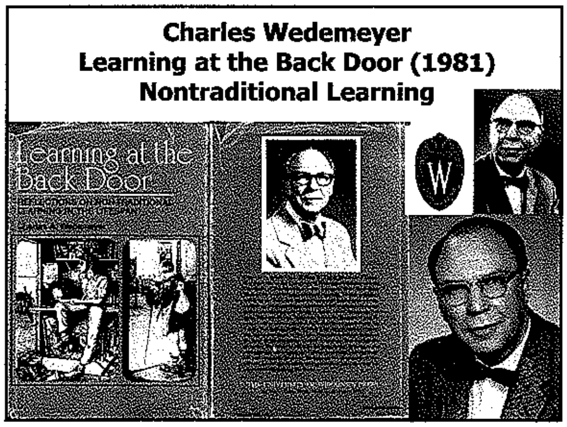
Plato's academy: 387 BC - 529 AD


West Allis
A-C
ALLIS-CHALMERS MFG. CO.
ALLIS-CHALMERS
Allis-Chalmers
New West Allis High School



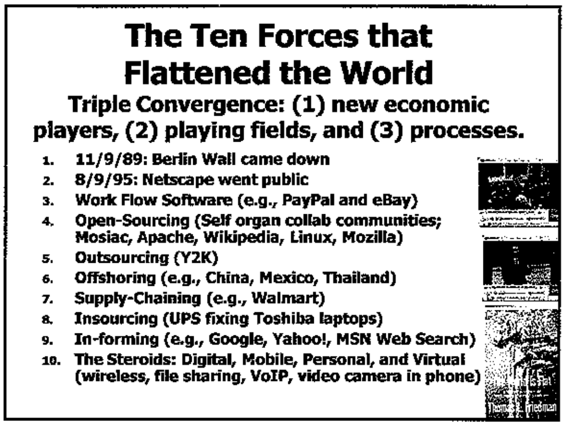
Conference to Conference (You Ustreamed my Ustream: Now that's a Twitter of an Idea)

USTREAM.TV
USTREAM.TV
LIVE, INTERACTIVE BROADCASTING



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

Learning at the Back Door
W

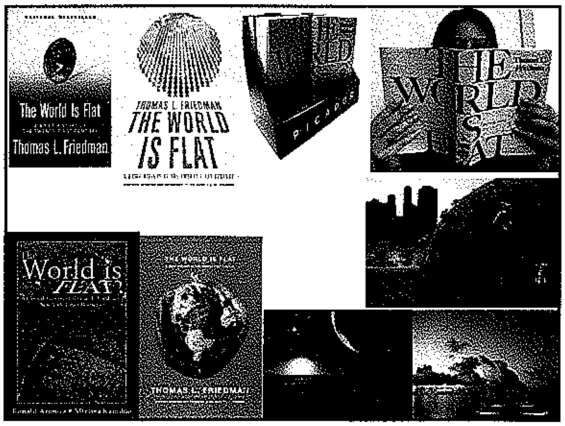


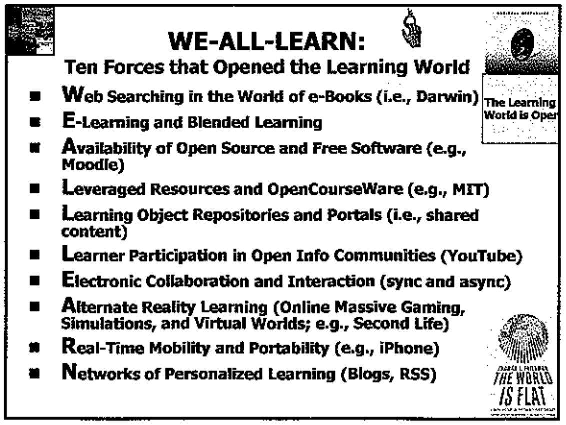
The Ten Forces that Flattened the World

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 collab communities; Mosiac, 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)

Thomas L. Friedman


The World Is Flat
Thomas L. Friedman
THOMAS L. FRIEDMAN
THE WORLD IS FLAT
PICADOR
THE WORLD IS FLAT
The World is FLAT?
THE WORLD IS FLAT
THOMAS L. FRIEDMAN



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)

The Learning World is Oper
THE WORLD IS FLAT

Audience Participation!

1. WE

2. ALL

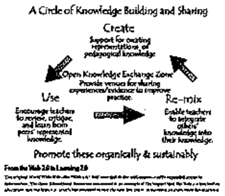
3. LEARN!!!

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

The Learning World Is Oper

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.**

What if our minds were on fire for learning?


A Circle of Knowledge Building and Sharing
Create
Support for creating representations of pedagogical knowledge
Open Knowledge Exchange Zone
Provide venues for sharing experiences/evidence to improve practice.
Use
Encourage teachers to review, critique, and learn from peers' represented knowledge.
Re-mix
Enable teachers to integrate others' knowledge into their knowledge.
Promote these organically & sustainably
From the Web 2.0 to Learning 2.0

MINDS
ON
FIRE
Open Education, the Long Tail, and Learning 2.0

John Seely Brown and Richard P. Adler. "Minds on Fire: Open Education, the Long Tail, and Learning 2.0," *EDUCAUSE Review* 43, no. 1 (January/February 2008): 16-32.

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

The Learning World Is Oper

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

WE

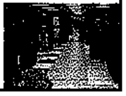
ALL

LEARN!!!

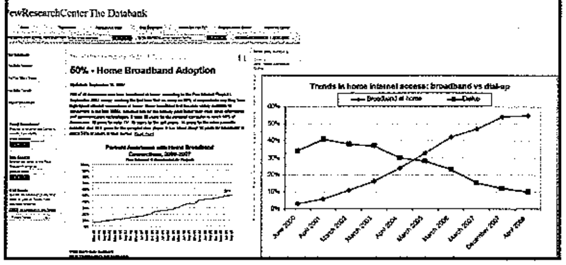
Scientists develop fastest computer
June 9, 2008
By H. JOSEF HEBERT, Associated Press Writer

- **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.**

IBM



Home Broadband 2008: Adoption Stalls for low-income Americans even as many broadband users opt for premium services that give them more speed (Pew Internet & American Life Project, 2008, July 2008



PewResearchCenter The Databank

50% - Home Broadband Adoption

Trends in home internet access: broadband vs dial-up
Broadband at home
Dial-up
60%
50%
40%
30%
20%
10%
0%
June 2000
April 2001
March 2002
March 2003
April 2004
March 2005
March 2006
March 2007
December 2007
April 2008

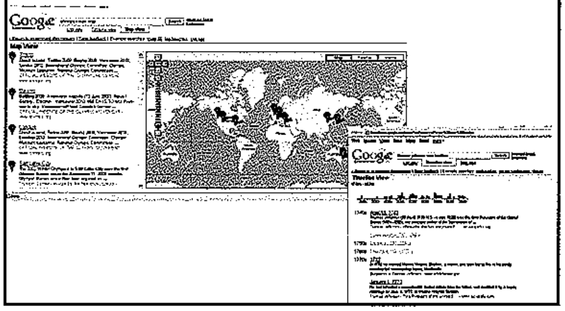
Next, we need new ways to search for that info in those pipes!

Jeff Han on TED Talks

Terabyte thumb Drives and Magic Pens! (The Pulse from Livescribe)
Second, we need new ways to record info: Smartpens: "Never Miss a Word"

pulse
NEVER MISS A WORD

Need new ways of representing & accessing info (e.g., Google is working on Timeline and Map Views)



Google
Google

INFORMATION TECHNOLOGY

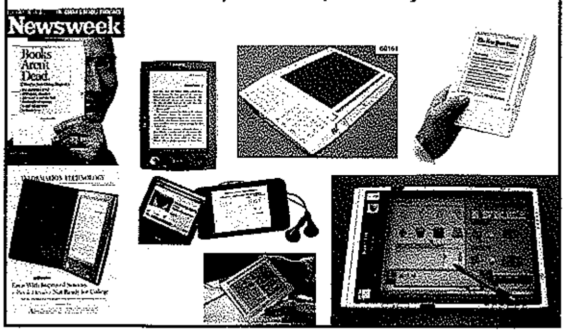
Microsoft's Book-Search Project Has a Surprise Ending

Google expands book project

Illinois universities lend library books

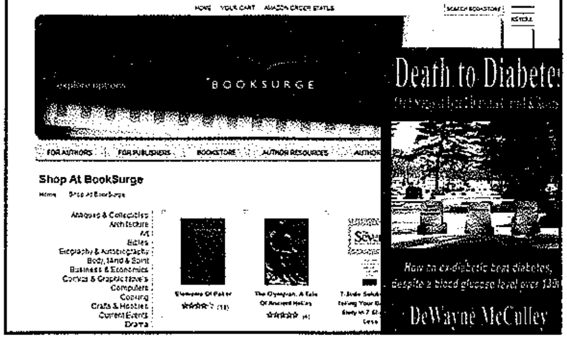
Google
Book Search

New ways to read information
(e.g., Thinner, Crisper, and Cheaper eBooks; Kindle = $400-500)



Newsweek
Books Aren't Dead.
INFORMATION TECHNOLOGY

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

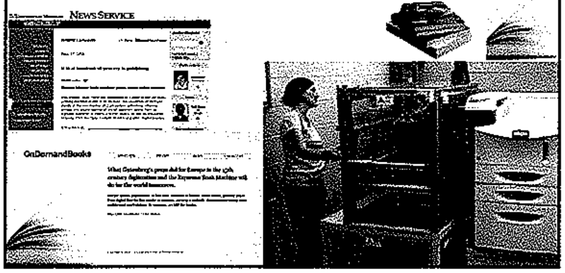

BOOKSURGE
FOR AUTHORS
FOR PUBLISHERS
BOOKSTORE
AUTHOR RESOURCES
Shop At BookSurge
Death to Diabetes
DeWayne McCulley

On Demand Books; 5-7 minutes/book; $10/book, any digitalized out-of-copyright book); Sept. 17, 2008

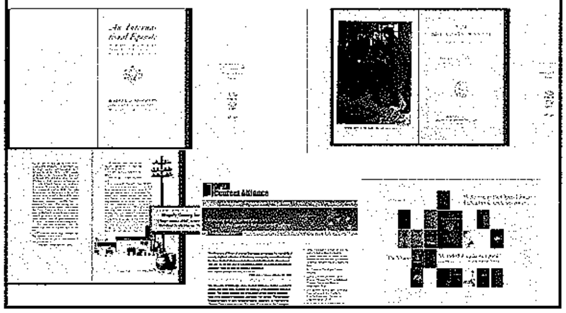
http://www.ns.umich.edu/htdocs/releases/story.php?id=6735

Expresso Book Machine, U-M at forefront of new era in publishing

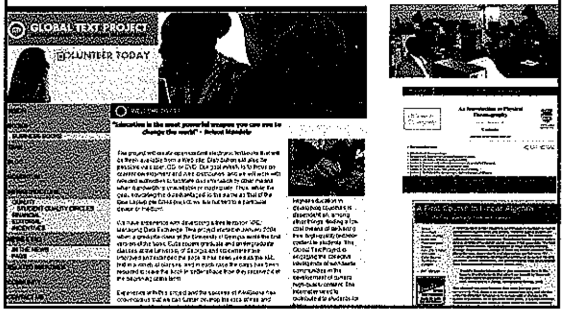
Shapiro Library book machine prints books within minutes


NEWS SERVICE
OnDemandBooks

Read, Listen, etc. to online books (e.g., "An International Episode" by Henry James)



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


GLOBAL TEXT PROJECT
VOLUNTEER TODAY

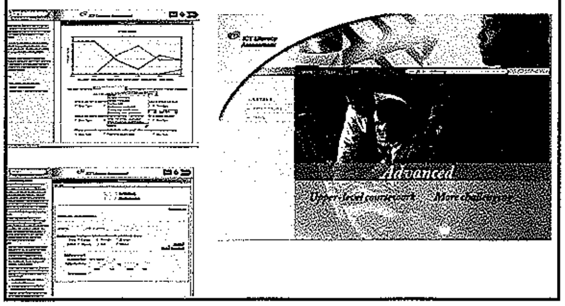
Brand New E-Book and Print book Opening Up Education

New Edited Book from MIT (free PDF, sample chapters, and hardcopy)

http://mitpress.mit.edu/catalog/item/default.asp?ttype=2&tid=11309&mode=toc

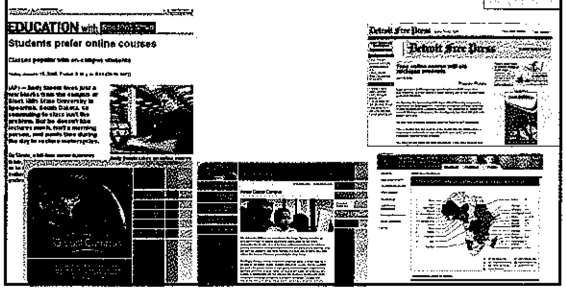
Toru Iiyoshi (Carnegie Foundation), Vijay Kumar (MIT) and John Seely Brown: Part 2 of 3
Mary Taylor Huber (Carnegie Foundation)
Andy Lane (OpenLearn Initiative, UK Open Univers
Download This Video
UNLOCKING
KNOW GE,

New Forms of Digital Literacy (new tests from ETS)



Opener #2. E-Learning and Blended Learning

The Learning World is Ope


EDUCATION with
Students prefer online courses
Classes popular with on-campus students
Detroit Free Press

Trend #2. E-Learning and Blended Learning. What happens then?

WE

ALL

LEARN!!!

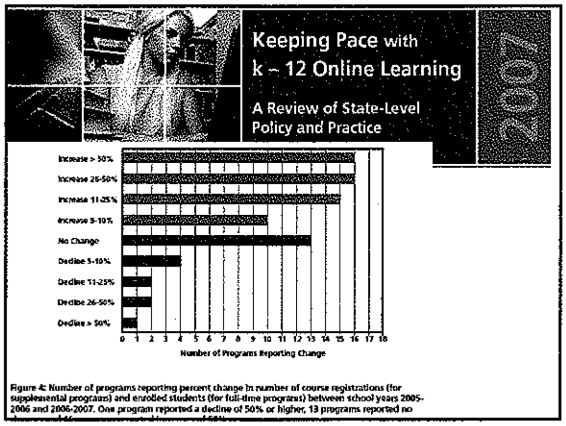


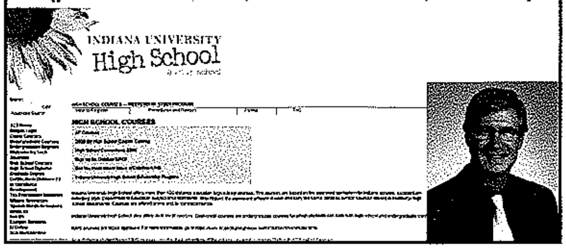
Figure 4: Number of programs reporting percent change in number of course registrations (for supplemental programs) and enrolled students (for full-time programs) between school years 2005-2006 and 2006-2007. One program reported a decline of 50% or higher, 13 programs reported no

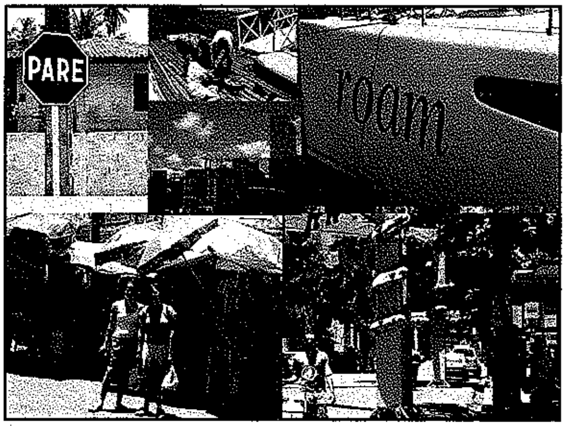
Illinois Virtual High School
(per Matthew Wicks, October 2008)

IVHS Growth

Growth By Term			Growth by Academic Year		
Term	Enrollments	Percent Increase (Decrease) over previous year	Academic Year	Enrollments 74.0% overall completion rate	Percent Increase Over Previous
Spring 2001	97	N/A			
Fall 2001	202	N/A	2001 - 2002	412	N/A
Spring 2002	191	97%			
Summer 2002	19	N/A			
Fall 2002	457	126%	2002-2003	1232	199%
Spring 2003	635	232%			
Summer 2003	140	637%			
Fall 2003	749	64%	2003-2004	1960	59%
Spring 2004	971	53%			
Summer 2004	240	71%			
Fall 2004	1145	53%	2004-2005	3249	66%
Spring 2005	1568	61%			
Summer 2005	536	124%			
Fall 2005	985	14%	2005-2006	2739	-16%
Spring 2006	1213	-23%			
Summer 2006	541	1%			
Fall 2006	1013	3%	2006-2007	2943	7%
Spring 2007	1207	-0%			
Summer 2007	723	34%			
Fall 2007	1410	40%	2007 2008	4314	47%
Spring 2008	1889	57%			
Summer 2008	1006	39%			

Indiana University High School
4,000 students and 1,400 enrolled in diploma programs (interest from China, India, and Nigeria as well as military and adults who never completed a high school degree)
(per Bruce Colston, Director of IUHS, Oct 2008)


INDIANA UNIVERSITY
High School
HIGH SCHOOL COURSES

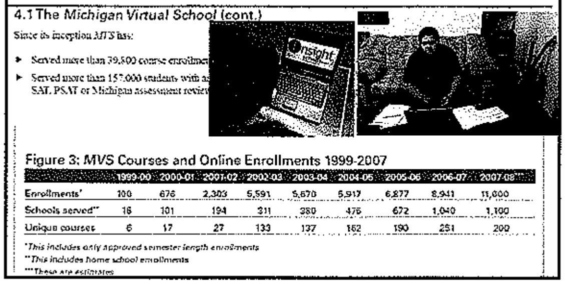


Electronic Classroom of Tomorrow (ECOT) program Ohio; 9,000 K-12 students

ecot
What is ECOT?
SIGN ME UP!

Michigan Virtual School more than 11,000 students

(per Dan Schultz, October 2008)



4.1 The *Michigan Virtual School* (cont.)

Since its inception *MVS* has:

- Served more than 39,500 course enrollme
- Served more than 157,000 students with a SAT, PSAT or Michigan assessment review

Figure 3: *MVS* Courses and Online Enrollments 1999-2007

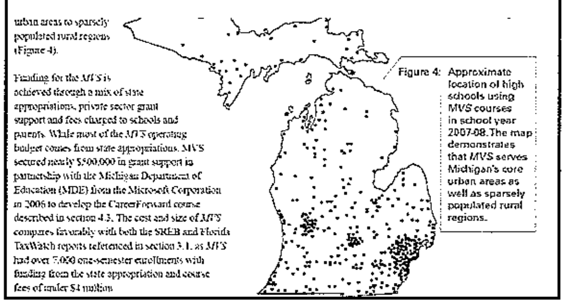
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08***
Enrollments*	100	676	2,303	5,591	5,670	5,917	6,877	8,941	11,000
Schools served**	16	101	194	311	380	476	672	1,040	1,100
Unique courses	6	17	27	133	137	162	190	251	200

*This includes only approved semester length enrollments

**This includes home school enrollments

***These are estimates

Michigan Online Learning Report 2008



urban areas to sparsely populated rural regions (Figure 4).

Funding for the *MVS* is achieved through a mix of state appropriations, private sector grant support and fees charged to schools and parents. While most of the *MVS* operating budget comes from state appropriations, MVS secured nearly $500,000 in grant support in partnership with the Michigan Department of Education (MDE) from the Microsoft Corporation in 2006 to develop the CareerForward course described in section 4.3. The cost and size of *MVS* compares favorably with both the SREB and Florida TaxWatch reports referenced in section 3.1, as *MVS* had over 7,000 one-semester enrollments with funding from the state appropriation and course fees of under $4 million.

Figure 4: Approximate location of high schools using *MVS* courses in school year 2007-08. The map demonstrates that *MVS* serves Michigan's core urban areas as well as sparsely populated rural regions.

Online Learning Growth in Kansas

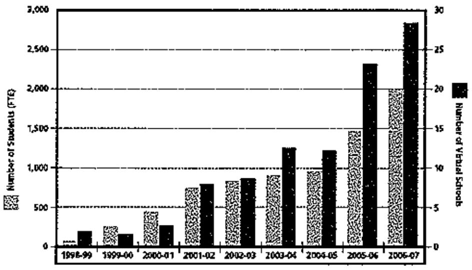
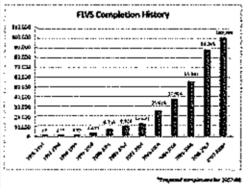


Figure 5: Program and student growth in online programs in Kansas. Source: Kansas audit of online programs.

Growth of Online Learning in Secondary Schools

(Florida Virtual School; AP American History)



GlobalSchoolNet.org

Florida VirtualSchool

States with State-led Online Programs and Initiatives

States with a state-led programs and intiatives

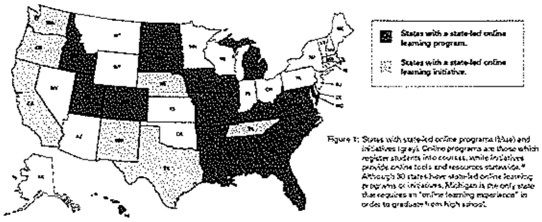
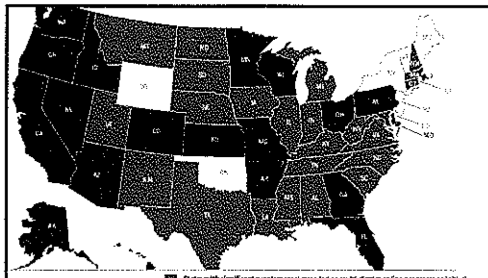

States with a state-led online learning program.
States with a state-led online learning initiative.

Figure 1: States with state-led online programs (blue) and initiatives (gray). Online programs are those which register students into courses, while initiatives provide online tools and resources statewide.* Although 30 states have state-led online learning programs or initiatives, Michigan is the only state that requires an "online learning experience" in order to graduate from high school.

[illegible]



▨ States with significant supplemental state-led or multi-district online programs or initiatives
■ States with significant full-time, multi-district programs
■ States with both
☐ States with neither

Figure 1: National summary of how online learning is being implemented across the country.

KEEPING PACE WITH K – 12 ONLINE LEARNING

Total and Online Enrollment in Postsecondary Institutions

Fall 2002 through Fall 2006

(For Degree-Granting 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	16,611,710	NA	1,602,970	NA	9.7%
Fall 2003	16,900,479	1.7%	1,971,397	23.0%	11.7%
Fall 2004	17,272,043	2.2%	2,329,733	18.2%	13.5%
Fall 2005	17,428,500	0.9%	3,180,050	36.5%	18.2%
Fall 2006	17,647,720	1.3%	3,488,381	9.7%	19.8%

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

Sara Cordell, professor of English at the University of Illinois-Springfield, says she feels online students become better writers because they get so much practice. NPR Special, Nov 29, 2007, Larry Abramson.
(67% of US Colleges and universities offer online courses; 35% offer fully online programs.)

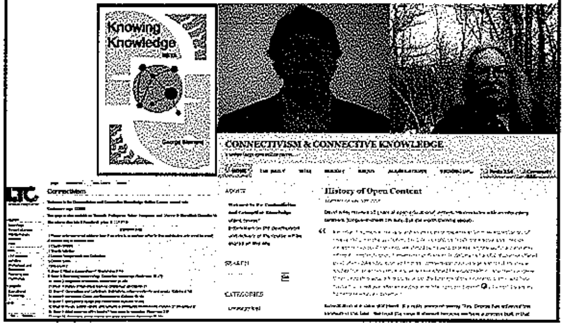
'Distance learning' gets its close-up

By G. Jeffrey MacDonald, Special for USA TODAY
November 2007

- More than two-thirds of all U.S. colleges and universities offer online courses, and 35% of schools offer programs that are entirely online, according to the Sloan survey, and 20% of the USA's 17 million college students say they have taken at least one course online.

Free and Open Courses

(Connectivism from George Siemens and Stephen Downes, 24 enrolled, 2,000+ sitting in)



Knowing Knowledge
George Siemens
CONNECTIVISM & CONNECTIVE KNOWLEDGE
LTC
Connectivism
ABOUT
SEARCH
CATEGORIES
History of Open Content

---

2 Million People Sign up for Part I of Oprah's Course on Spiritualism

YouTube
Broadcast Yourself
Sign Up | QuickList (0) | Help | Sign In
Home
Videos
Channels
Community
Search
Upload
Subscribe
More From: MindTrip888
Related Videos
Oprah Denies Jesus!
A New Earth - Jim Carrey

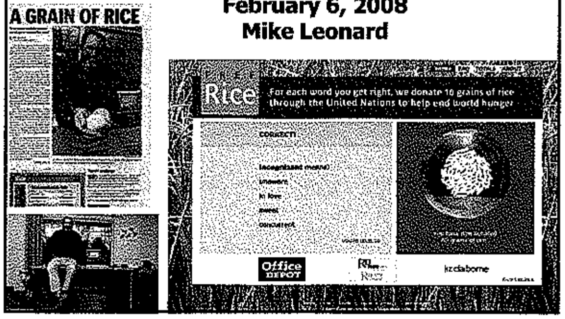
Oprah A New Earth & Jesus, Spiritual & Religion

A Grain of Rice: A Bloomington man's computer vocab game feeding the world

Herald Times, Wednesday

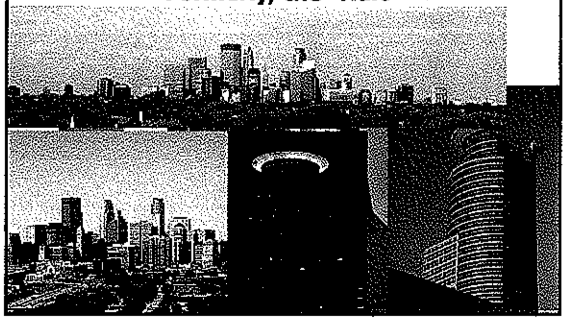
February 6, 2008

Mike Leonard



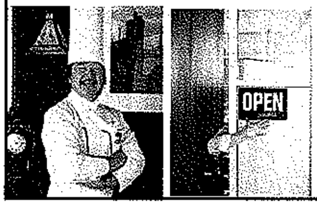
A GRAIN OF RICE
Rice
For each word you get right, we donate 10 grains of rice through the United Nations to help end world hunger
Office DEPOT

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



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

The Learning World is Ope



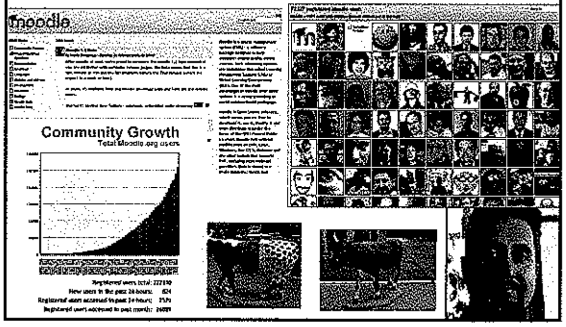
Trend #3. Availability of Open Source and Free Software. What happens then?

WE

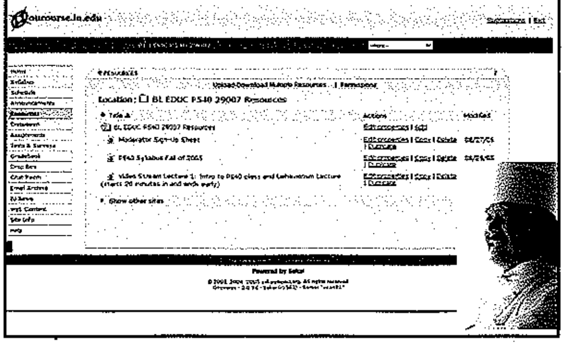
ALL

LEARN!!!

Moodle (400,000 registered users in 193 countries speaking 73 languages)


moodle
Community Growth
Total Moodle.org users

The Sakai Project


oncourse.iu.edu
Resources
Upload-Download Multiple Resources | Permissions
Actions
Modified
Edit properties | Copy | Delete | Duplicate
Show other sites
Powered by Sakai

Location: BL EDUC P540 29007 Resources

Title

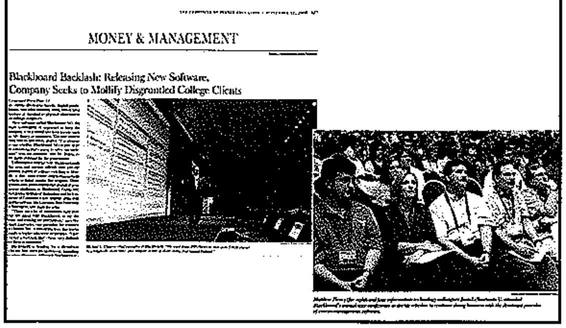
BL EDUC P540 29007 Resources

Moderator Sign-Up Sheet

P540 Syllabus Fall of 2005

Video Stream Lecture 1: Intro to P540 class and behaviorism Lecture (starts 20 minutes in and ends early)

Blackboard Backlash
Sept 12, 2008

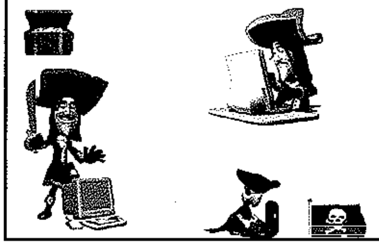


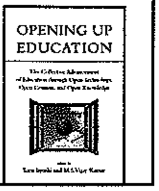
MONEY & MANAGEMENT

Blackboard Backlash: Releasing New Software, Company Seeks to Mollify Disgruntled College Clients

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

The Learning World is Open




OPENING UP EDUCATION

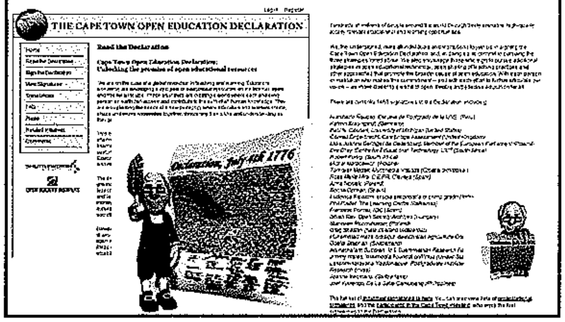
Trend #4. Leveraged Resources and OpenCourseWare. What happens then?

WE

ALL

LEARN!!!

Cape Town Open Education Declaration December 2007 http://www.capetowndeclaration.org/



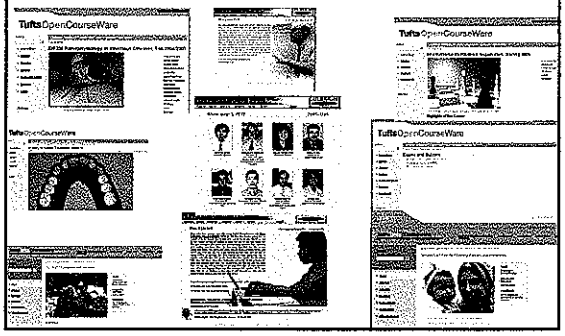
THE CAPE TOWN OPEN EDUCATION DECLARATION

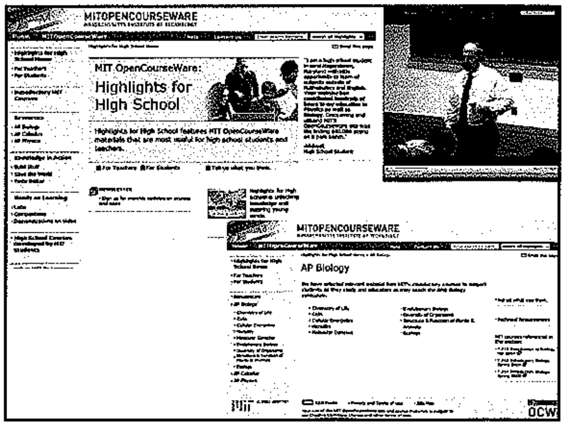
Read the Declaration

Cape Town Open Education Declaration: Unlocking the promise of open educational resources

Declaration, July 4th 1776

Sample OpenCourseWare Projects


TuftsOpenCourseWare
TuftsOpenCourseWare
TuftsOpenCourseWare
TuftsOpenCourseWare



MITOPENCOURSEWARE

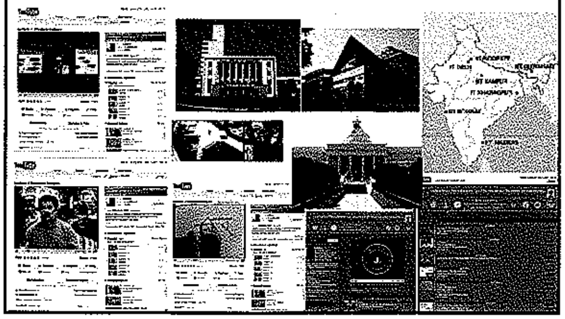
MIT OpenCourseWare: Highlights for High School

Highlights for High School features MIT OpenCourseWare materials that are most useful for high school students and teachers.

MITOPENCOURSEWARE

AP Biology

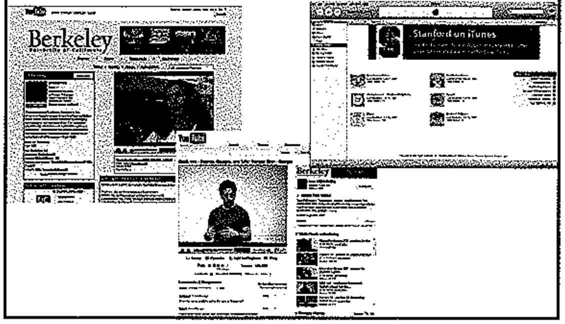
Indian Institutes of Technology (IIT)



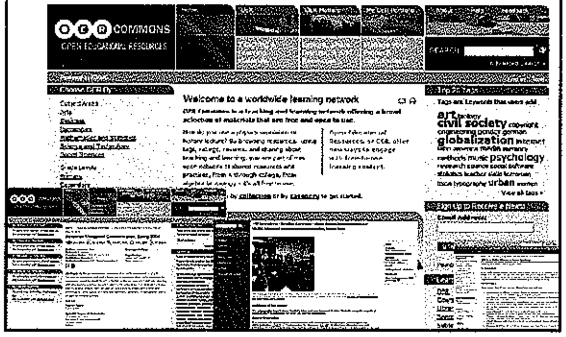
Opensource Opencourseware Prototype System (OOPS) funded by, the Foundation of Fantasy, Lucifer Chu, Chairman and Janitor of OOPS, Taipei)

OOPS! Opensource Opencourseware Prototype System
The Foundation of Fantasy Culture and Arts
OOPS
Opensource Opencourseware Prototype System
開放式課程計劃

Post Courses in YouTube and iTunes (e.g., Berkeley)

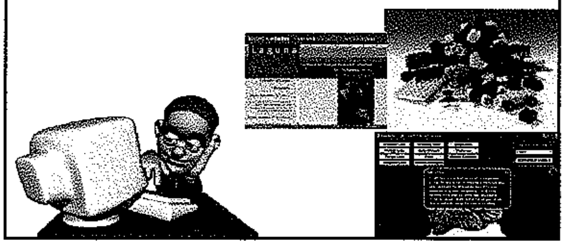

Berkeley
Stanford on iTunes
Berkeley

National Repository for Online Courses (NROC) Commons


OER COMMONS
OPEN EDUCATIONAL RESOURCES
Welcome to a worldwide learning network
art
civil society
globalization
psychology
urban

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

The Learning World is Ope



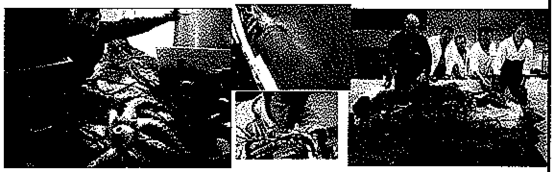
Trend #5. Learning Object Repositories and Portals. What happens then?

WE

ALL

LEARN!!!

Tracking Live Internet Thawing: A Colossal of an Idea

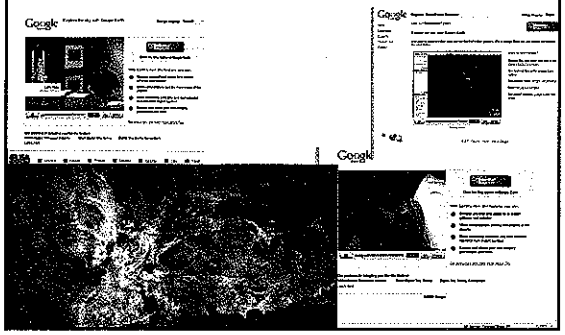


Deep-Sea Behemoth
Captain John Bennett examines the world's first intact adult male colossal squid on board his New Zealand fishing boat in February, 2007, in the Ross Sea near Antarctica. The gigantic sea creature weighs a world record 1,089 pounds. After being frozen whole for over a year, scientists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

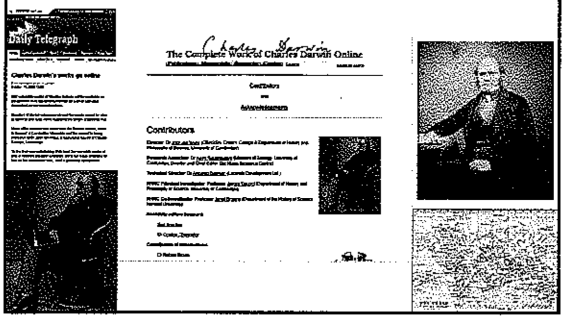
What if the World was Beyond our World?

NASA's Hubble Space: Google Sky) USA Today, August 22, 2007

http://earth.google.com/sky/index.html


Google
Google
Google

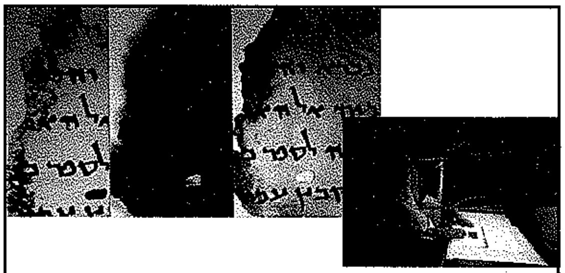
The Complete Works of Charles Darwin


Daily Telegraph
The Complete Work of Charles Darwin Online
Contributors

Reflection on Online Contents: The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys, John Evelyn

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

The Diary of Samuel Pepys
The Carlyle Letters Online

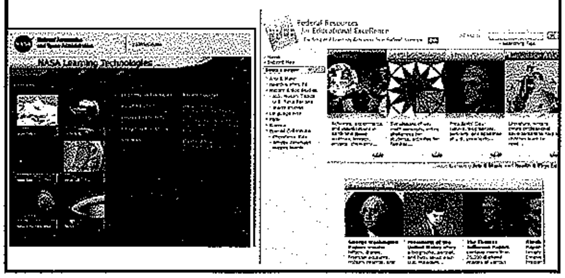


From left, three views of a fragment of one of the Dead Sea Scrolls: a plain digital image, a color scan and an infrared scan.

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

The New York Times

Free Government Resources!


NASA Learning Technologies
Federal Resources for Educational Excellence

Yahoo! Teachers

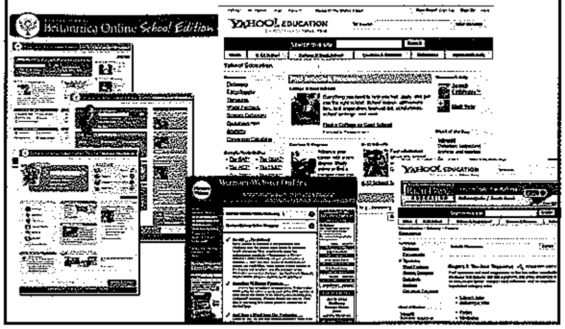
YAHOO! TEACHERS
YAHOO! TEACHERS
Find your school
Welcome teachers!
Teacher spotlight
Welcome teachers!
Teacher spotlight

Get ready! It's coming...

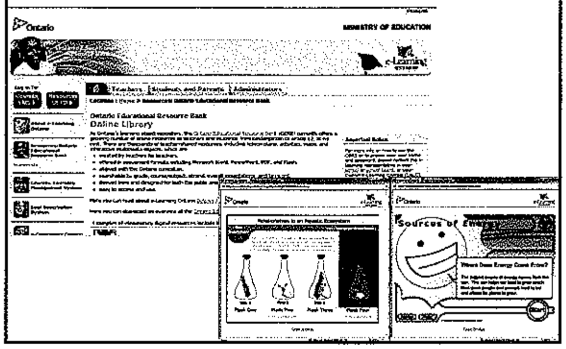
The easy-to-use site and peer network designed by and for teachers.

Get ready to create, modify, and share standards-based curriculum.

Online Referenceware

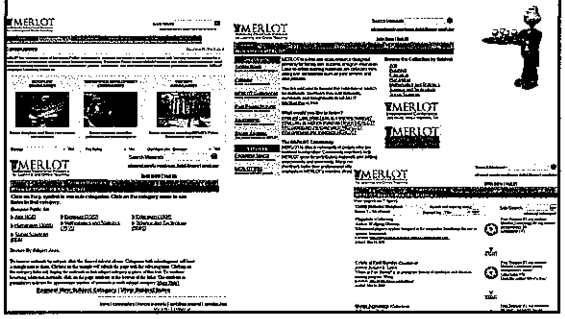


Ontario Educational Resource Bank

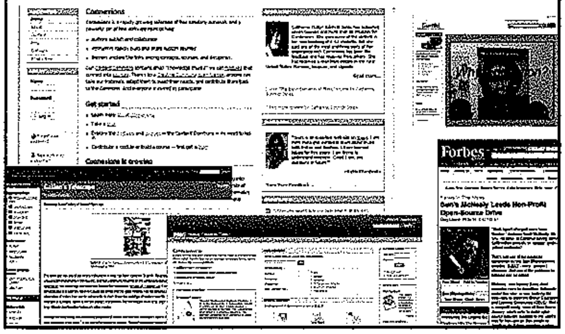


Referatory: MERLOT.org

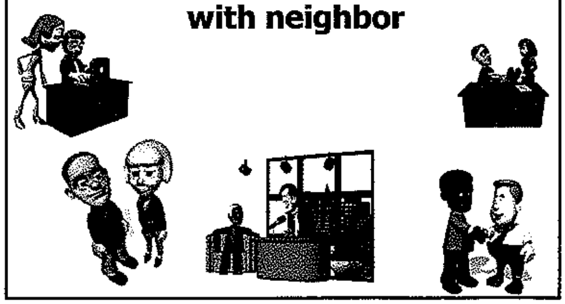
(62,000 members, 20,000 learning materials)



Repository: Connexions (6,000+ modules, Rice Univ) & Curriki (K-12, Sun Micro)

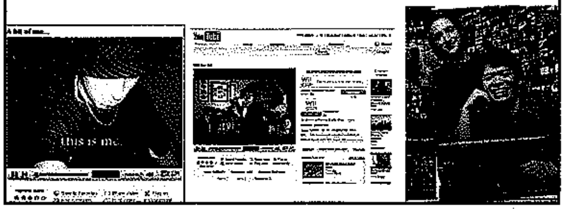


Half-Way...Brief Intermission Please Share Best Idea so far with neighbor



Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)

The Learning World is Ope

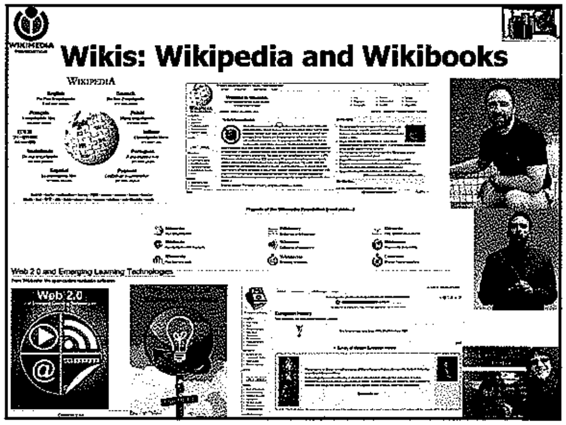


Trend #6. Learner Participation on Open Information Communities. What happens then?

WE

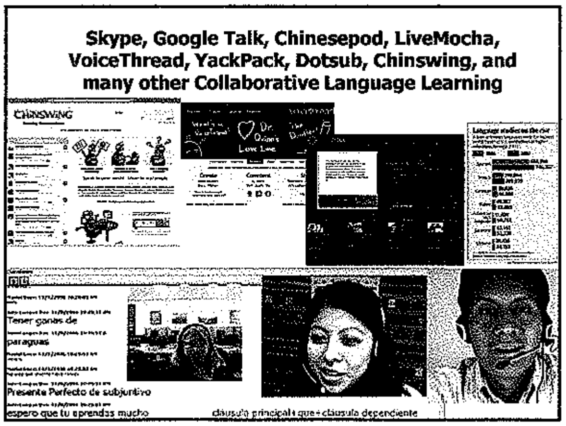
ALL

LEARN!!!



Wikis: Wikipedia and Wikibooks

WIKIMEDIA
WIKIPEDIA
Web 2.0 and Emerging Learning Technologies
Web 2.0



Skype, Google Talk, Chinesepod, LiveMocha, VoiceThread, YackPack, Dotsub, Chinswing, and many other Collaborative Language Learning

CHINSWING
Create
Comment

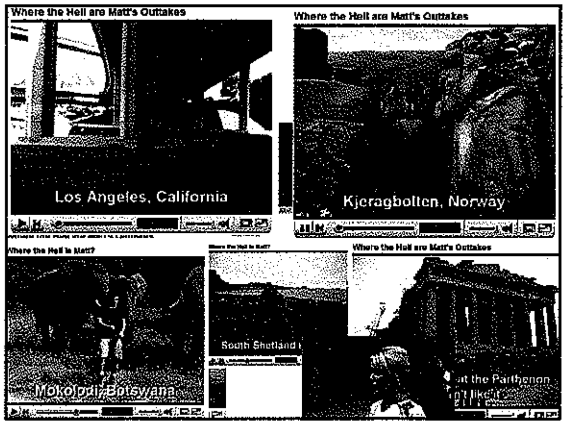
Tener ganas de

paraguas

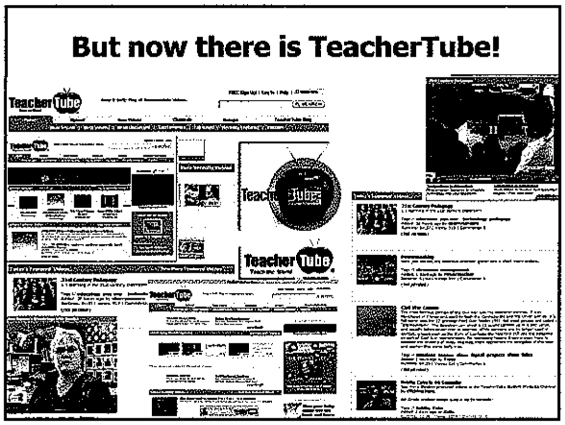
Presente Perfecto de subjuntivo

espero que tu aprendas mucho

cláusula principal + que + cláusula dependiente

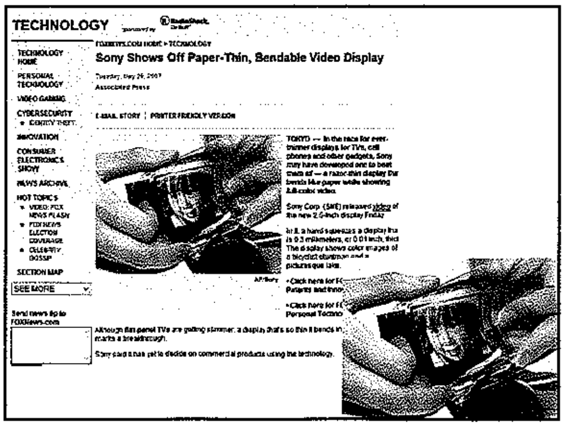


Where the Hell are Matt's Outtakes
Los Angeles, California
Where the Hell are Matt's Outtakes
Kjeragbolten, Norway
Where the Hell is Matt?
Mokolodi, Botswana
Where the Hell is Matt?
South Shetland
Where the Hell are Matt's Outtakes
at the Parthenon



But now there is TeacherTube!

TeacherTube
TeacherTube
TeacherTube



TECHNOLOGY
TECHNOLOGY HOME
PERSONAL TECHNOLOGY
VIDEO GAMING
CYBERSECURITY
IDENTITY THEFT
INNOVATION
CONSUMER ELECTRONICS SHOW
NEWS ARCHIVE
HOT TOPICS
VIDEO: FOX NEWS FLASH
FOX NEWS ELECTION COVERAGE
CELEBRITY GOSSIP
SECTION MAP
SEE MORE
Send news tip to FOXNews.com
E-MAIL STORY | PRINTER FRIENDLY VERSION

FOXNEWS.COM HOME > TECHNOLOGY

Sony Shows Off Paper-Thin, Bendable Video Display

Tuesday, May 29, 2007

Associated Press

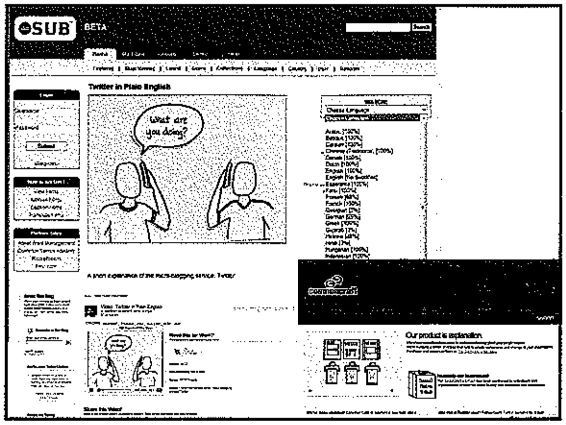
TOKYO — In the race for ever-thinner displays for TVs, cell phones and other gadgets, Sony may have developed one to beat them all — a razor-thin display that bends like paper while showing full-color video.

Sony Corp. (SNE) released video of the new 2.5-inch display Friday.

In it, a hand squeezes a display that is 0.3 millimeters, or 0.01 inch, thick. The display shows color images of a bicyclist, a picturesque lake.

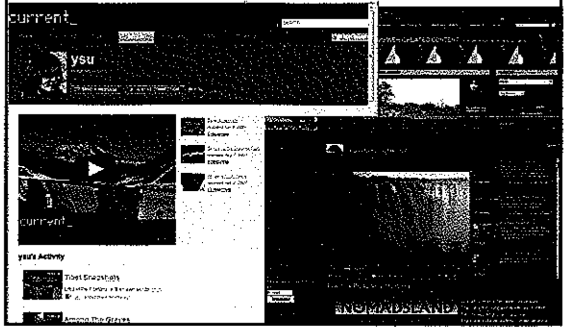
Although flat-panel TVs are getting slimmer, a display that's so thin it bends marks a breakthrough.

Sony said it has yet to decide on commercial products using the technology.


SUB
BETA
Twitter in Plain English
What are you doing?

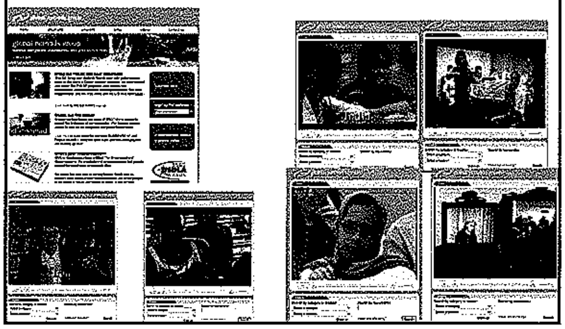
Individual Produced Videos (e.g., African School Dream in CurrentTV)

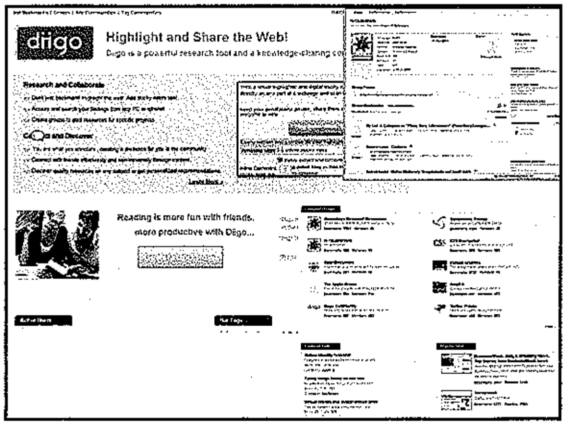
http://current.com/items/77146082_african_school_dream


current_
ysu
current_
ysu's Activity
NOMADSLAND

Global Nomads Group

http://www.gng.org/home.html





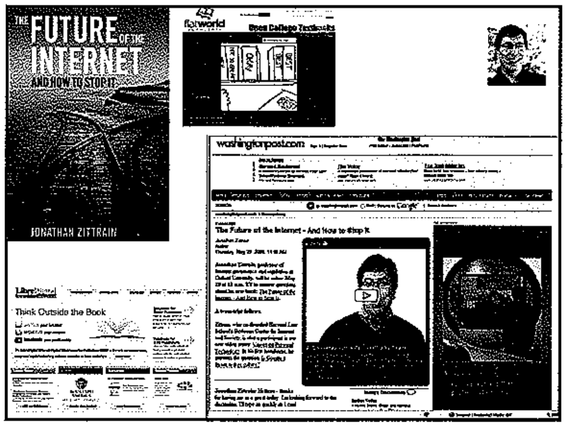
Highlight and Share the Web!

Reading is more fun with friends, more productive with Diigo...

AOL video
Verizon FiOS
IMPERIAL HISTORY
THE HUFFINGTON POST
ANITA THOMPSON

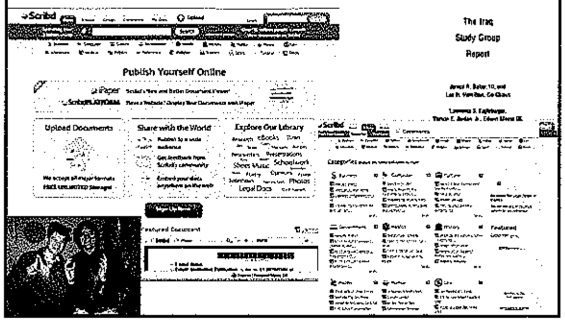
Welcome to StumbleUpon

Listening to the Dalai Lama in Aspen


THE FUTURE OF THE INTERNET AND HOW TO STOP IT
JONATHAN ZITTRAIN
flatworld
Open College Textbooks
washingtonpost.com
The Future of the Internet - And How to Stop It
Think Outside the Book

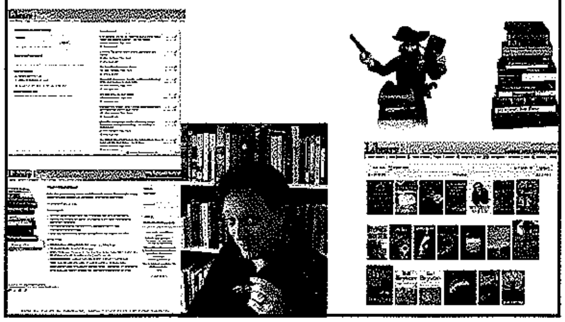
Posting Documents on Web

Scribd: http://www.scribd.com/; 21 million unique visitors per month, May 2008


Scribd
Publish Yourself Online
iPaper
Upload Documents
Share with the World
Explore Our Library
The Iraq Study Group Report

World's Largest Online Book Club

LibraryThing (you can be a "*thingamabrarian*" 400,000 users and 26 million books)



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

The Learning World Is Open

COLLABORATE OR DIE
TEAMWORK

Trend #7. Electronic Collaboration and Interaction. What happens then?

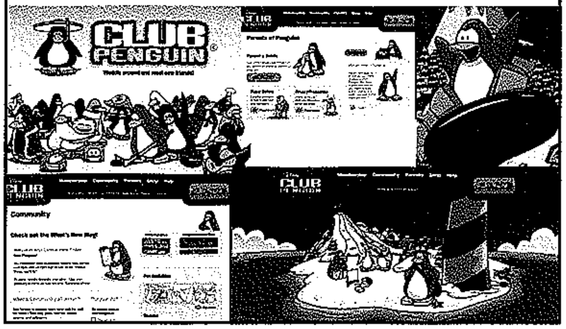
WE

ALL

LEARN!!!

Club Penguin

(bought by Disney for $700 million in 2007)


CLUB PENGUIN

1kg More Project for Rural China

(http://www.1kg.org/

Twinbooks:

http://www.twinbooks.cn/

双子书

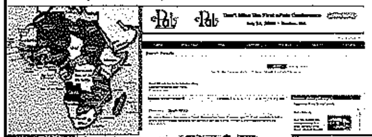
与远方的小朋友分享同一本书

一书两地

互动传情

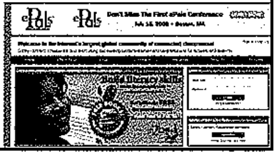
EPals has for-profit and nonprofit arms.

Candace Pauchnick, standing, uses its tools in her class.
By STEVE LOHR
Published: February 24, 2008
New York Times
http://www.nytimes.com/2008/02/24/business/24social.html



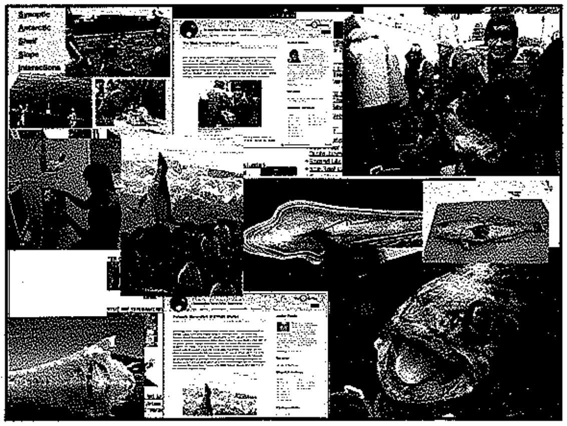
in2books

Adult pen pals for books read



Room to Read

http://www.roomtoread.org/programs/schools.html



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

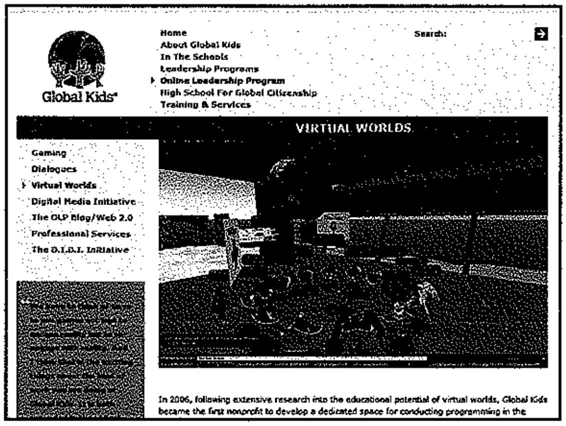
The Learning World is Ope
CIVILIZATION

Trend #8. Alternate Reality Learning.
What happens then?

WE

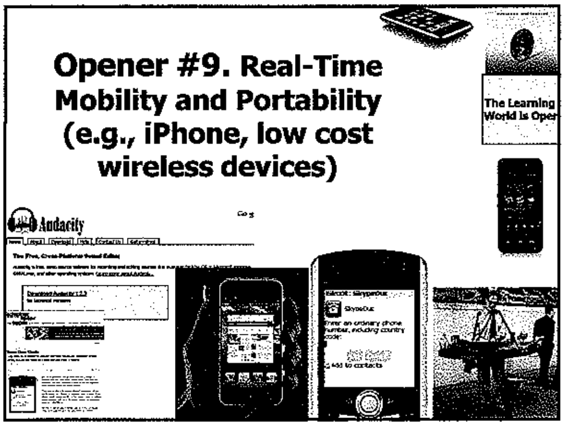
ALL

LEARN!!!


Global Kids
Home
About Global Kids
In The Schools
Leadership Programs
Online Leadership Program
High School For Global Citizenship
Training & Services
Search:
VIRTUAL WORLDS
Gaming
Dialogues
Virtual Worlds
Digital Media Initiative
The OLP Blog/Web 2.0
Professional Services
The O.I.D.I. Initiative

In 2006, following extensive research into the educational potential of virtual worlds, Global Kids became the first nonprofit to develop a dedicated space for conducting programming in the

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


The Learning World is Oper
Audacity
The Free, Cross-Platform Sound Editor
SkypeOut
Enter an ordinary phone number, including country code
Add to contacts

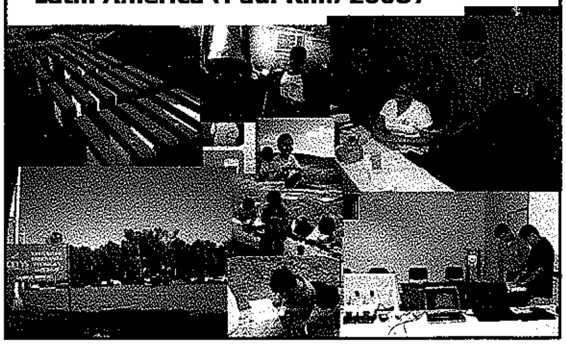
Trend #9. Real-Time Mobility and Portability.
What happens then?

WE

ALL

LEARN!!!

Wireless in Africa and Pocket School in Latin America (Paul Kim. 2008)



The Age of Wireless

MOST (UN)WIRED SCHOOLS?

CNET and U.S. News and World Report got the top 50 universities' tech specs and asked them which computers they recommend to students and faculty.

CLICK HERE TO VIEW

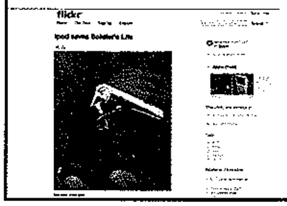
Totally wireless on campus

OLPC in Nigeria: School Galadima

One Laptop Per Child foundation (OLPC) provided School Galadima in March 2007 with an XO laptop for each child in Primary 4, 5 and 6 and also for each member of the staff.

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

The Learning World is Ope

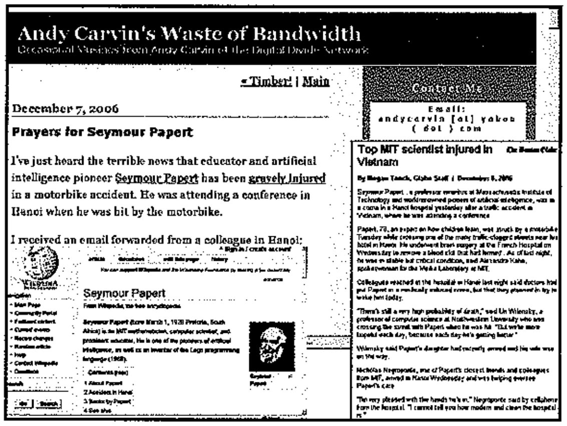


Trend #10. Networks of Personalized Learning. What happens then?

WE

ALL

LEARN!!!



Andy Carvin's Waste of Bandwidth

« Timber! | Main

December 7, 2006

Prayers for Seymour Papert

I've just heard the terrible news that educator and artificial intelligence pioneer Seymour Papert has been gravely injured in a motorbike accident. He was attending a conference in Hanoi when he was hit by the motorbike.

I received an email forwarded from a colleague in Hanoi:

Seymour Papert

Top MIT scientist injured in Vietnam

Contact Me
Email:
andycarvin [at] yahoo (dot) com

MINDSTORMS
SEYMOUR PAPERT
MIND-STORMS

Online Photo Albums, e.g., FLICKR

(Inc. Magazine, December 2006)

TIME
CNN
TIME 100: The People Who Shape Our World
The Flickr Founders
camping canada canon
city clouds color concert
florida flower flower
germany girl graffiti green
hongkong house india ireland island
london losangeles macro

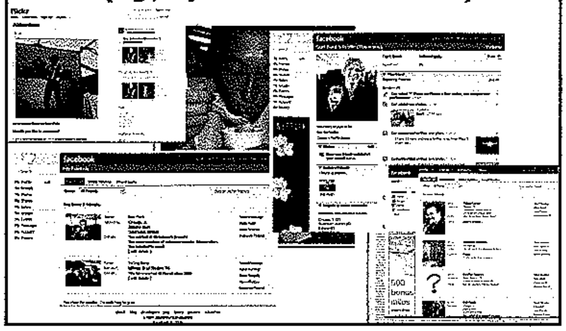
Tech giants poke around Facebook

Money
facebook

Facebook's Mark Zuckerberg, at his office in Palo Alto, Calif., is in no hurry to sell the popular social networking site. (23 years old)

Facebook could be worth as much as $6 billion today, Bear Stearns (BSC) analyst Robert Peck says. He expects privately held Facebook to post a profit of about $30 million on revenue of $140 million this year, and register a $70 million profit on revenue of $358 million in 2008. He predicts $6 billion in revenue by 2016.

Facebook used to be just for the young (e.g., my son's Facebook account)



---

iVideosong, August 25, 2008, USA Today

Learn guitar from rock gods on iVideosongs.com

USA TODAY
Life » Music

Music recording artist John Oates of the band Hall & Oates breaks down his technique on the '70s hit *She's Gone* in his iVideosong entry.

Music recording artist Graham Nash takes viewers through *Teach Your Children*, a song he wrote for Crosby, Stills, Nash & Young's *Deja Vu* album in 1970.

World Business

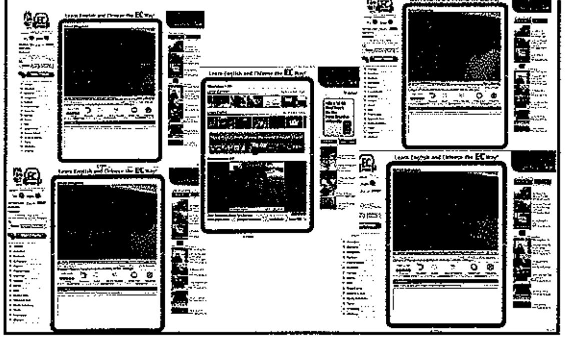
Hello, India? I Need Help With My Math

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

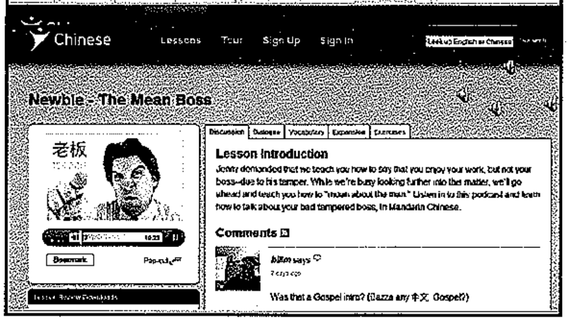
One of Michelle Tanner's deaf students at Gerald Wright Elementary holds an iPod and watches a video of her signing the week's vocabulary words. The iPods were purchased with a grant from Qwest.

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

Video Supported Language Learning (e.g., ECPod)



Podcast for Language Learning (ChinesePod—learn Mandarin)


Chinese
Lessons
Tour
Sign Up
Sign In
Look up English or Chinese
Discussion
Dialogue
Vocabulary
Expansion
Exercises
老板
Bookmark
Pop-out

Newbie - The Mean Boss

Lesson Introduction

Jenny demanded that we teach you how to say that you enjoy your work, but not your boss--due to his temper. While we're busy looking further into the matter, we'll go ahead and teach you how to "moan about the man." Listen in to this podcast and learn how to talk about your bad tempered boss, in Mandarin Chinese.

Comments

bilton says

Was that a Gospel intro? (Dazza any 中文 Gospel?)

Learn on Your Terms!
Sign Up Now!
243 free lessons & 7347 conversations. Take the tour »
Learn on Your Terms!
Sign Up Now!
30 free lessons & 476 conversations. Take the tour »

Learning Towns are Popping up!

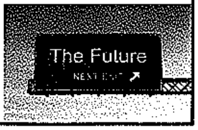
Ning
LEARNINGTOWNS!

Final Sharing Questions

- For what purpose will people share?
- Who will continue to maintain or update such sites?
- Will online sharing become expected of all faculty members around the planet?
- How will copyright issues be addressed?
- What happens when one did not mean to share his or her course contents or ideas, or, at least, not as widely?
- How will such learning objects of today be viewed in 100 or 200 years?

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


The Future
NEXT EXIT

The World is Open. What happens then?

Now WE-ALL-LEARN with Web Technology

BONK!
Your skeletal muscles' maximum burn rate is double that of your brain. Think about it.

WE

ALL

LEARN!!!

Stop and Share: Top Three Things Learned!