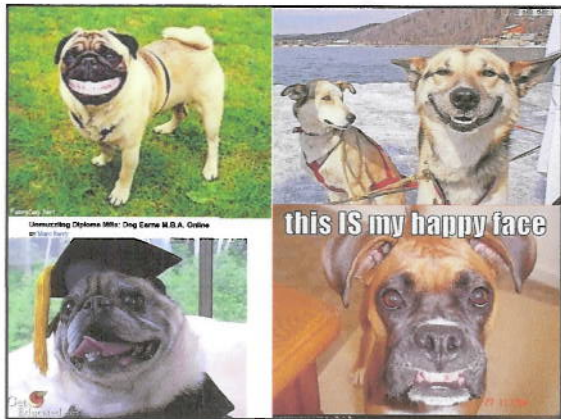
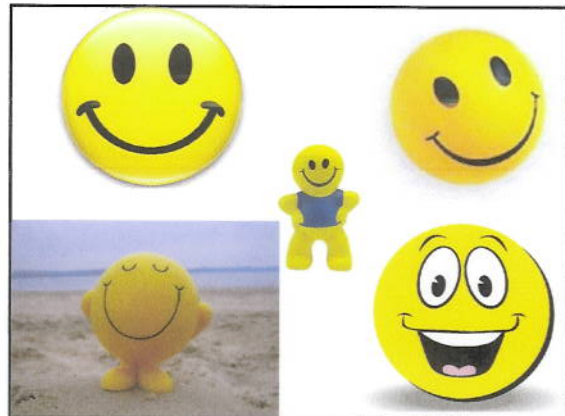
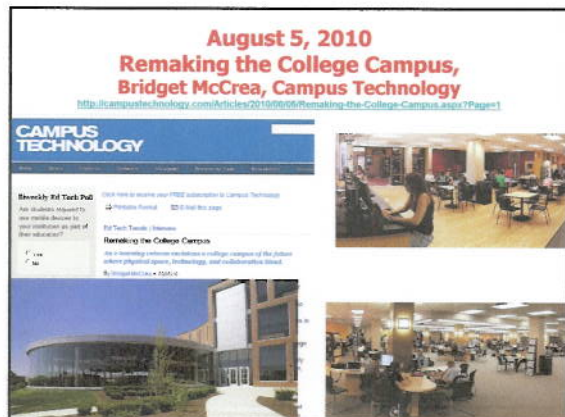
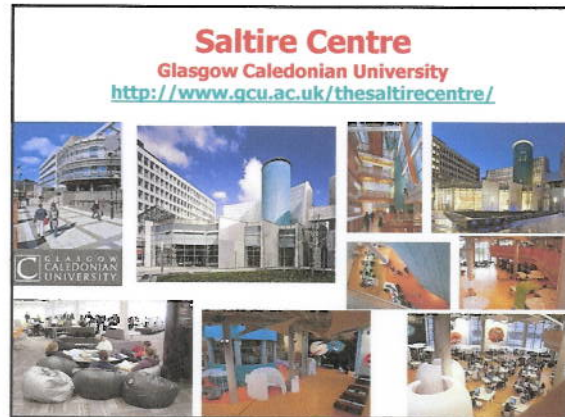
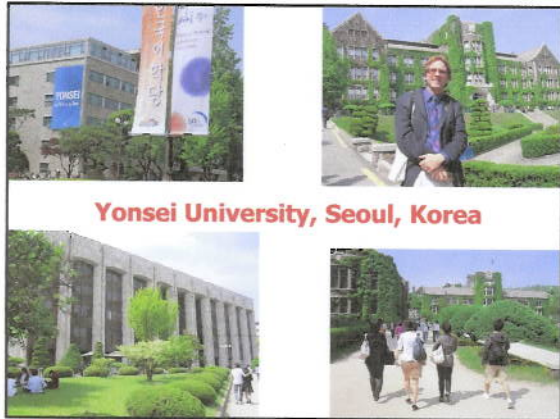


**I am Not Content:
The Future of Education Must Come
Today...!!!**

Curtis J. Bonk, Professor, Indiana University
cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>








Remaking the College Library, Bridget McCrea, 09/01/10, Campus Technology

Virtual Tour of New GVSU Library--USA and Bedford Library-UK

<http://www.youtube.com/watch?v=SbuDPopJxg0>



Aces of Spaces, Campus Technology, June 2011, Jennifer Demski



SEEDS OF EMPOWERMENT

Empowering the part of the story



We Are Going Global Mobile!


(Paul Kim, May 2010)



Seeds for Empowerment

<http://www.seedsofempowerment.org/index.html>

Stories about love, forgiving, unity, peace, reality in Africa



SMILE (Stanford Mobile Inquiry-based Learning Environment); Seeds for Empowerment; <http://www.seedsofempowerment.org/index.html>

- Possible to take a photo of a picture from textbooks or any environment
- All-created inquires can be tagged by the creator and rated by peers
- Quality can be controlled by instructors

Seeds for Empowerment in Argentina, August 2011
<http://tecnologia.profesional.com/notas/128526-Telecom-y-la-consulta-Google-y-Yahoo-arriban-smartphones-educativos-en-escuelas-argentinas>

Seeds for Empowerment in Argentina, August 2011
<http://www.youtube.com/watch?v=Hd8JEI-k6Zg>

Seeds for Empowerment in Argentina, August 2011
<http://www.youtube.com/watch?v=Hd8JEI-k6Zg>

June 2010
Clay Shirky, NYU: How cognitive surplus will change the world, TED
http://www.ted.com/talks/clay_shirky_how_cognitive_surplus_will_change_the_world.html

July 2010
North Carolina Virtual Public Schools (growing 79% per year)
 (per Dr. Bryan Setser, Executive Director, North Carolina Virtual Public School Learn and Earn Online)

NCVPS Predicted Growth

Academic Year	Net Civil Enrollments
2007-08	~10,000
2008-09	~15,000
2009-10	~20,000
2010-11	~30,000
2011-12	~45,000
2012-13	~65,000
2013-14	~90,000
2014-15	~120,000

Legend: Actual Enrollment (solid bars), Projected Enrollment at 50% Growth Rate (dashed line).

September 2011 Meta-Analysis Update: Blended and Fully Online Still Best!

**Evaluation of Evidence-Based Practices in
Online Learning: A Meta-Analysis and
Review of Online Learning Studies**



U.S. Department of Education
Office of Planning, Evaluation, and Policy Development
Policy and Program Studies Service

Prepared by
Barbara Means
Yukie Toyama
Robert Murphy
Marianne Bakia
Karla Jones
Center for Technology in Learning

Revised September 2011

"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos), October 2010

<http://www.youtube.com/user/TravelinEdMan>





December 15, 2010 Mark Zuckerberg, Time Magazine, Person of the Year




Site	Users (Millions)
Facebook.com	82.2 million
MySpace sites	65.2 million
Tumblr.com	20.8 million
Drop.com	17.4 million
Chatterbox.com sites	13.3 million
Behavior Patterns (profile list)	12.1 million
MLA.com sites	11.4 million
Windows Live Profile	10.3 million



February 4, 2011 New Enrollment History Chart: Florida Virtual School (Julie Young, President & CEO)


Year	Enrollment
2001-2002	16,000
2002-2003	13,761
2003-2004	24,100
2004-2005	34,079
2005-2006	34,170
2006-2007	64,847
2007-2008	116,033
2008-2009	156,123
2009-2010	211,876

Completion rate measured as full credit completion. Source: Florida Virtual School (FLVS) student completion during 12-month period.

February 16, 2011 How Bill Gates' Favorite Teacher Wants to Disrupt Education, Gregory Ferenstein, Fast Company

February 21-24, 2011 Graphic Facilitation, E-Learning and Distance Learning (ELI) Conference in Riyadh (Sir Tim Berners-Lee and Jimmy Wales)



iPad 2, March 2, 2011: Steve Jobs' surprise appearance a 'big deal', CNN Tec, Mark Milian, March 2, 2011

<http://www.cnn.com/2011/TECH/gadgets/03/02/steve.jobs.ipad2/index.html?ref=NS>

Steve Jobs' surprise appearance a 'big deal'

Whatever health concerns prompted Steve Jobs' leave didn't seem to affect his flair Wednesday as an Apple pitchman.

April 12, 2011 NCTM Conference Session, Free Online Degrees; iSMART: Integration of Science, Mathematics, and Reflective Teaching (iSMART), University of Houston

You see the big picture. You find the connections. Make it official - become iSMART.

Jen Chauvot and Mimi Lee, Univ of Houston

April 29, 2011 Shared Online Video (e.g., YouTube and the Royal Channel)

May 9, 2011 Defense Acquisition University, Training Courses: Reaching the Workforce

	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Classroom	28,659	25,489	24,368	28,192	29,684	34,587	35,697	33,191	35,861	39,568	45,864
Web	13,380	21,031	36,117	43,649	58,290	75,079	77,582	90,600	118,391	154,399	192,968
Total	42,239	46,520	60,485	71,841	87,974	109,666	113,279	123,791	154,252	193,967	238,832

As of 30 Sep 10

July 20, 2011 Smart phones driving lecture capture growth eCampus News, Dennis Carter

<http://www.ecampusnews.com/technology/smart-phones-driving-lecture-capture-growth/>

Smart phones driving lecture capture growth

A leading lecture capture company says use of the technology has skyrocketed in recent months.

By Dennis Carter, Assistant Editor
Edited more by Danny Carter

Viewing replays of a professor's lecture anytime anywhere on a smart phone has bolstered lecture capture use in higher education, as surveys show the technology remains popular campus.


Watching and re-watching lectures online has long been among college students' favorite educational technology and making those

July 22, 2011 GETideas Channel, Cisco (Education Thought Leader Series uploaded to YouTube)

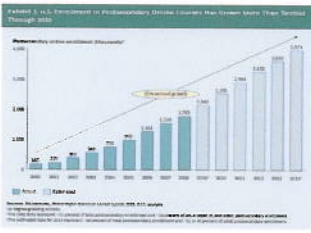
<http://www.youtube.com/user/GETideas#g/u>

August 3, 2011
Inkling opens textbooks on the iPad
USA Today, Jefferson Graham
<http://www.usatoday.com/story/technology/2011-08-02/inkling-i-pad-textbooks/51416>
 Some \$4.5 billion worth of textbooks were sold in 2010, according to the Association of American Publishers. Expects digital textbooks to represent 3% of sales in 2011, growing to 44% by 2017.

Inkling opens textbooks on the iPad
 By Jefferson Graham, USA TODAY




August 11, 2011
Unleashing the Potential of Technology in Education, The Boston Consulting Group, Allison Bailey, Tyce Henry, Lane McBride, & J. Pucket
<http://www.bcg.com/documents/file82603.pdf>



Year	Enrollment (Millions)
2000	0.05
2001	0.07
2002	0.10
2003	0.15
2004	0.22
2005	0.32
2006	0.45
2007	0.65
2008	0.90
2009	1.20
2010	1.60


August 12, 2011
Moodle (45 million users in 209 countries, 54,000 sites, 4.6+ million courses)



April and August 24, 2011
Departments Stay Afloat with new Online Ventures (new Ed.D. in IST/Ed Tech)
 (e.g., <http://iuconnected.iu.edu/>)
<http://newsinfo.iu.edu/news/page/normal/19372.html>



August 25, 2011
Brain-training games are new exercise craze, USA Today, (e.g., Lumosity, MindSparke; <http://www.lumosity.com/>)




But I am not Content!!!



September 15, 2010 Study: Online learning might be less effective for some, eSchool News, Dennis Carter

Classroom students scored 84.5 percent on the first exam in the economics course, and online students scored 83.3 percent.

May 24, 2010 Author Nicholas Carr, The Web Shatters Focus, Rewires Brains, Wired

http://www.wired.com/magazine/2010/05/ff_nicholas_carr/

Author Nicholas Carr: The Web Shatters Focus, Rewires Brains




Who Needs Blended and Online Learning?

Guess Who

Those in the Military! Going the Distance, Elizabeth Millard, University Business, March 2011


Going the Distance

Athletes and Performers
 Going the Distance, Elizabeth Millard, University Business, March 2011



When tennis player Elizabeth Millard is training, she's not just looking for a good shot. She's also looking for a good story. She's been in the news for her performance on the court, but she's also been in the news for her off-court activities. She's a member of the University Business program, and she's been featured in several articles and interviews. She's a role model for many young women who are interested in tennis and business.

March 11, 2011
 Those Preparing for Exams and Needing Remediation, Bill Gates, Salmon Khan, NBC Special
<http://www.msnbc.msn.com/id/21134540/vp=42018991a#42018991>




Those in hurricanes!
 (Katrina, August 2005; Ike, Sept 2008; Irene, August 2011)




Those where there are diseases and outbreaks... (SARS, 2003; H1N1, 2009-2010)

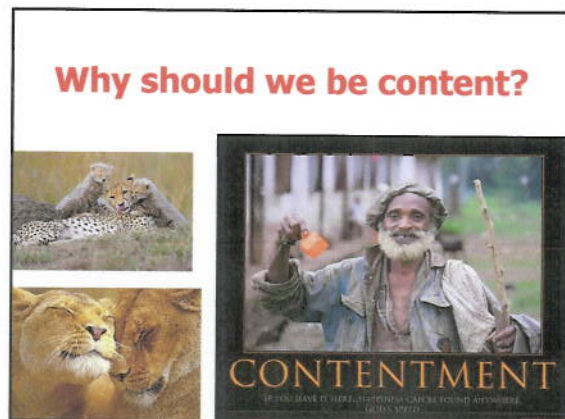
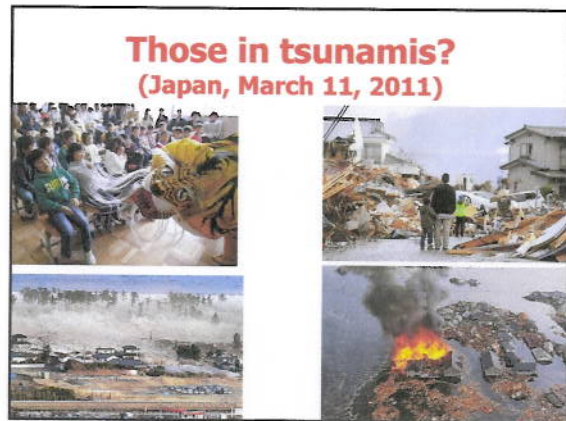
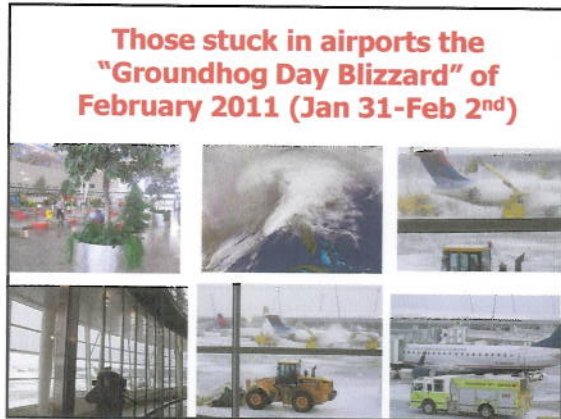
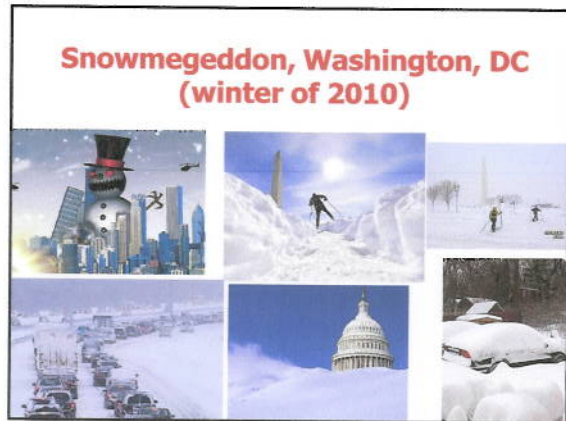


Those in earthquakes!



Those effected by volcanos (Iceland, April 2010)





September 15, 2010 Timeline of Technology for Teaching, NY Times

<http://www.nytimes.com/interactive/2010/09/15/magazine/classroom-technology.html?ref=magazine>

Technology of the 1980s

Radio Shack TRS-80 Model III
 Introduced: July 1980
 Price: US \$699 base model
 US \$2495 w/ 32K, dual drives
 CPU: Z80 @ 2.03 MHz
 RAM: 4K, 48K max.
 Ports: Cassette tape, expansion, serial
 Display: 12-inch BW monitor, 64 X 16 bit
 Storage: 5, 1, or 2 internal 7 1/4-inch floppy drives
 External cassette @ 500 / 1500 baud
 OS: BASIC in ROM, TRS-DOS on disk

COMMODORE 64
 THE PERSONAL COMPUTER WITH PROFOUND POWER
 64K

Mark Weiser, Scientific American, 1991, The Computer for the 21st Century

<http://sandbox.xerox.com/want/papers/ubi-sciam-sep91.pdf>

COMPUTER TECHNOLOGY suggests the conventional screen-type paradigm is suited to conventional computers; thus the only benefit of wireless models, have been built.

98 The COMPUTER IN THE 21st CENTURY

Let's Reflect Back 10 Years...

2001: a space odyssey

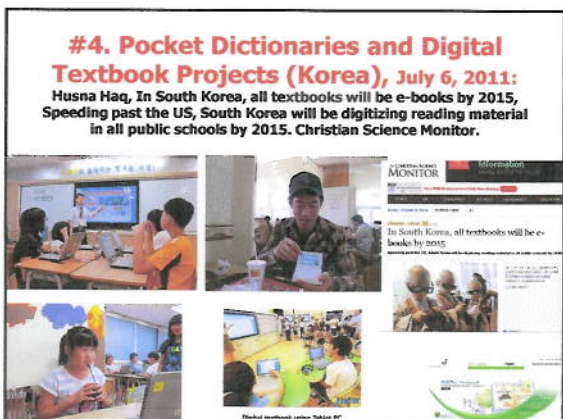
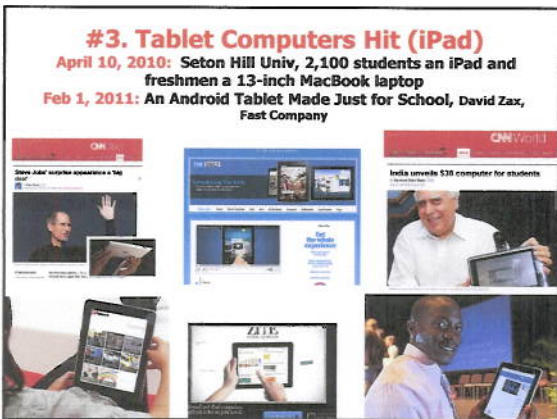
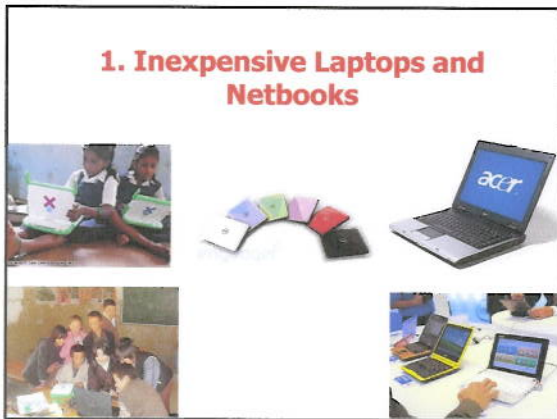
2001 a space odyssey

Virtual Tactical Operations Center (VTOC)

Shovelware

Wii

SHOVELWARE
 You can't labor to play games; you can only shovel. How dumb are you?




#5. Video Conferencing/Webcaming December 20, 2010: Skype for iPhone adds two-way video calling, CNet Reviews

WATCHING VIDEO ONLINE

Google's YouTube dominates online video viewing, but its new competitors are catching up fast.

Platform	Viewers
Google (YouTube)	14.3 billion
Facebook	287 million
Yahoo	560 million
Vevo	510 million
MevoTV	487 million
Microsoft	462 million
ABC	342 million
Stella	347 million
Fox Interactive (SkySpace)	300 million
CBS	197 million

Free music video site Vevo eyes iPad, other mobile possibilities



Group Video Chat, February 28, 2011: SocialEyes delivers group video chat, USA Today, Jon Swartz, <http://www.socialeyes.com/>

SocialEyes delivers group video chat

SAN FRANCISCO -- The brain behind digital-media pioneer RealNetworks' one-of-a-kind -- with a new, two-way video service on Facebook.



First Look at Google+ Hangouts, June 29, 2011 <http://www.youtube.com/watch?v=EL0jzYs1AKaw&list=UL&annotation=389528&feature=share>

First Look at Google+ Hangouts



Facebook introduces video calling, Eric Stoller, July 6, 2011, Inside Higher Ed <http://www.insidehighered.com/blogs/student-affairs-and-technology/facebook-introduces-video-calling>


Facebook introduces video calling




#6. Shared Online Video: TED, Academic Earth, TV Lesson, and Fora TV



Video is Popular in Korea



Video is Very Popular at HYCU



Which of these video sharing sites do you use?

1. BBC News Video and Audio
2. CNN.com Video
3. MSNBC.com
4. Google Video, Yahoo Video
5. Current TV
6. Fora TV
7. MIT World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explore, Global Pulse, Latin Pulse
11. Howcast, Big Think, WonderHowTo, Explor.TV, NASA TV, ClipChef, TV Lesson, BookTV, Edutopia videos, MonkeySee, doFlick, the Research Channel, iVideosong




CNN Video and MSNBC

<http://www.cnn.com/video/>



Google Videos

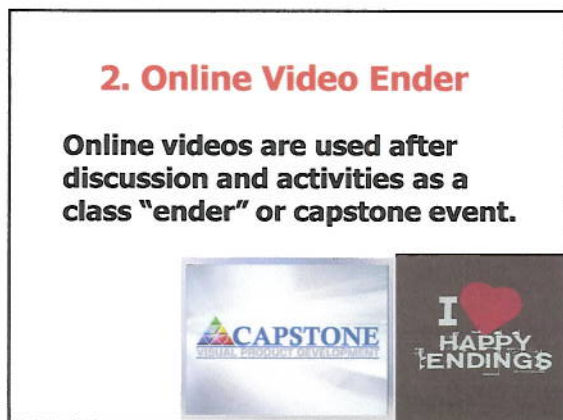
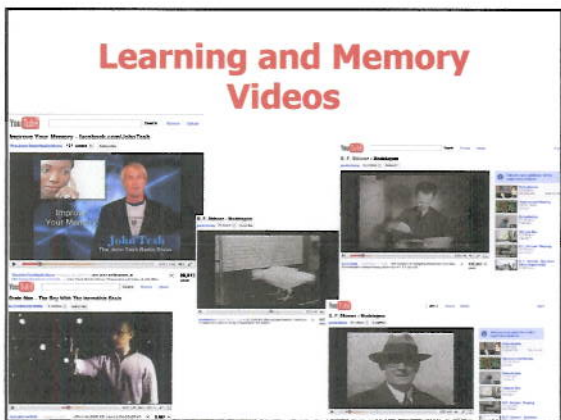
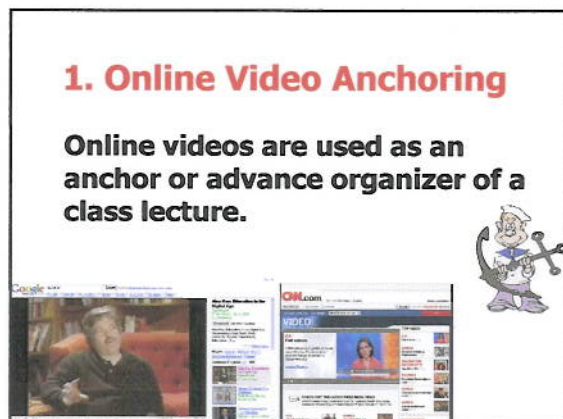
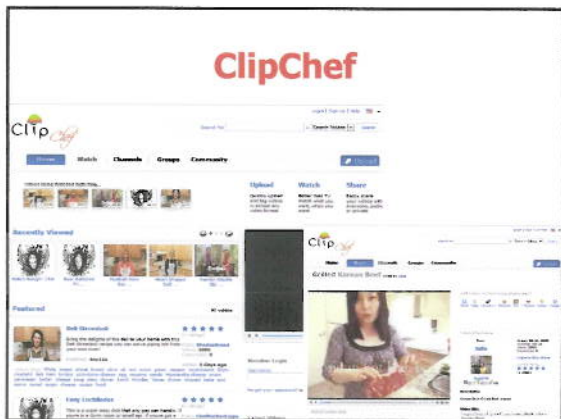
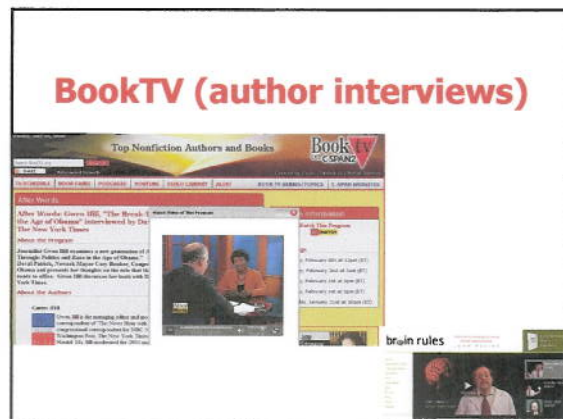


TED: Technology, Entertainment and Design



Fora TV





3. Pause and Reflect

The instructor(s) plays a portion of a YouTube video and pauses for reflections and then continues playing the video which is followed by still more class reflection.



4. Online Class Previews and Discussions

The instructor(s) finds videos and then posts them to the course management system for students to watch prior to or after class. If students participate in an online discussion based on such videos, the instructor should be clear about the length of post (e.g., two paragraphs) and how many comments of peers to respond to.



5. Course Resource Provider Handouts


Students find videos and show them in class and discussion unfolds. Students assigned as the cool resource providers for the week are asked to create a handout for the videos and other course resources selected.




6. Anchor Creators

Students create their own YouTube videos to illustrate course concepts.





Did you know?



shifthappens

DID YOU KNOW?

Karl Fisch, Did You Know? Shift Happens—Globalization, Information Age

#7. Social Networking Gaming

December 24, 2010: CityVille 16.8 million daily users, FarmVille's 16.4 million. CityVille 61.7 million monthly users, FarmVille 56.8 million users. Mashable.

"CityVille" Is Now Bigger than "FarmVille"




#8. E-Book Readers

January 28, 2011: Amazon: Kindle Books Finally Eclipse Paperbacks, Doug Aamoth
March 2, 2011: Why Amazon would be smart to give away the Kindle, March 4, 2011, CNN Tech, Amy Gahrn

Whether a surge in e-book sales can be sustained and what effect it could have on traditional bookstores remains to be seen.

Worldreader, August 22, 2011

What Makes Ed Tech Successful in the Developing World?, ReadWriteWeb, David Risher

http://www.readwriteweb.com/technews/what_makes_educational_technology_successful_in_the_world/
<http://www.worldreader.org/>

#9. Artificially Intelligent Computers

February 18, 2011: Watson dominated at 'Jeopardy!' — but what else can it do? As IBM seeks new uses, man still has edge over machine, Dan Fergano, USA Today.

Computer vs. brain
 Feeling a little computer envy? Don't let IBM's Watson, the champ-crushing computer on Jeopardy!, get you down. A comparison with your own human brain:

Watson	Weight	Human brain
1,100 pounds	3 pounds	
4 years	6 million years	
2,800 processors	1 billion neurons	
200 trillion processors (per second)	100,000 trillion	
15 trillion Memory (in bytes)	1 trillion	

Note: According to IBM, Watson uses about 1.6 billion bytes of information (which are compressed to a single piece of information) and it processes each answer.

August 2, 2011

Stanford U. Offers Free Online Course in Artificial Intelligence, Jie Jenny Zou, Chronicle of Higher Education (over 135,000 sign up as of August 27)

<http://www.ai-class.com/>

#10. New Interfaces

February 18, 2011: Telekinesis 2.0, David Zax, Fast Company

#11. Mobile Apps, May 13, 2011:

USA Today, Mary Beth Marklein

<http://www.usatoday.com/story/education/2011-05-12/iphone-apps-college-students/41414>

August 18, 2011
HowStuffWorks, iPhone App, USA Today, Marc Saltzman

Will expert advice (and happiness) be a button away?
(e.g., Live Happy Practitioner Directory)

August 18, 2011
Eco Mania and Face the Waste (iPhone/iPod), Green games gain in popularity, USA Today, Mike Snider

Top Smartphone Apps to Improve Teaching, Research, and Your Life
 By Jeffrey R. Young, January 2, 2011, Chronicle of HE

Collecting Data
 A professor at the University of California at Davis is asking drivers to help him with his research on roadkill by logging any dead squirrel, possum, or other critter they see along the highway...the research team built an iPhone app to let citizen-scientists participate at the scene. It's more convenient, and it gives the researchers better data, because a phone's GPS feature can send along exact location coordinates (and the app encourages users to take a picture with the phone's camera).

Medical Training

Top Smartphone Apps to Improve Teaching, Research, and Your Life
 By Jeffrey R. Young, January 2, 2011, Chronicle of HE
<http://chronicle.com/article/Smartphones-on-Campus-the/127397/>

Peter H. Abrahams, a professor of clinical anatomy at the U. of Warwick, helped create an app called Aspects of Anatomy. It includes 38 short films of Dr. Abrahams guiding viewers through anatomical models of human organs. Here he points to a model of the bronchial tree.


Top Smartphone Apps to Improve Teaching, Research, and Your Life

By Jeffrey R. Young, January 2, 2011, Chronicle of HE

Class scavenger hunts.

To take advantage of the mobility of smartphones, some professors have sent students outside the classroom, designing scavenger hunts in which **phone-based clues** guide students to learn through exploration.

Colleges Find New Ways to Tap Into Mobile Tech




Top Smartphone Apps to Improve Teaching, Research, and Your Life

By Jeffrey R. Young, January 2, 2011, Chronicle of HE

Clickers/Student Response Systems



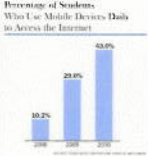
Professors at the mobile-device summit at Abilene Christian stressed that more study needs to be done on whether these services improve education and are worth the cost. Some research done at Abilene Christian on the clicker application, for instance, showed that while students liked the ability to take **quizzes by phone**, their grades did not improve compared with those of a control group that did not use the clicker approach.



January 23, 2011

As the Web Goes Mobile, Colleges Fail to Keep Up, Chronicle of Higher Ed, Josh Keller





<http://chronicle.com/article/Colleges-Search-for-Their/126016/>

Year	Percentage
2008	10.2%
2009	23.8%
2010	43.0%

"I used it to sign up for classes. I used it to check e-mails," says Laura Patterson, a junior at Nevada State College, about her iPhone. "I used it all the time, for everything." **More than 40 percent of all college students, like Nevada State's Laura Patterson, used mobile devices to get on the Internet every day last year, compared with 10 percent in 2008.**

#12. Augmented Reality, May 17, 2011: USA Today, Edward Baig, May 17, 2011, Augmented reality has potential to reshape our lives.


#13. Language Translation Tools, Aug 19, 2011 (e.g., Bing Translator (a convenient way to translate between languages in Internet Explorer 8))

<http://www.microsofttranslator.com/default.aspx>




#14. Online Portals and Open Educational Resources (OER) February 8, 2011


Google Art Project, Chronicle of HE (new Google project that allows visitors to explore museums around the world and view hundreds of artworks) <http://www.googleartproject.com/>



July 10, 2011
The Virtual Zooarchaeology of the Arctic Project (VZAP) is a virtual, interactive, osteological reference collection for the study of northern vertebrates. VZAP is a dynamic natural history archive which allows students and researchers to examine the complete skeletal anatomies of multiple bird, mammal, and fish species in both 2D and 3D. (Anthropologist Puts an Idaho Museum's Many Bones Within Virtual Reach, Peter Monaghan, July 10, 2011, Chronicle of HE)
<http://vzap.in.lsu.edu/ViewPage.aspx?id=230>



February 27, 2011
Actually Going to Class, for a Specific Course? How 20th-Century. New learning technologies prompt a rethinking of traditional course structure, Chronicle of HE, Jeffrey R. Young




"There's not really much need for teachers anymore," since so much material is online, says Dekunle Somade, a senior at the U. of Maryland at College Park.

Question:
What is the Web?


- An entertainment system?
- A writing aid?
- A communications system?
- A means to handle commercial transaction?
- A social networking device?

=====

No, it is a learning tool!



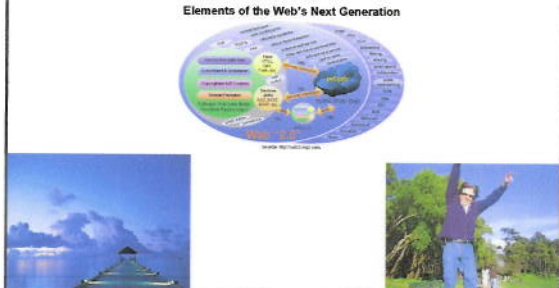
Answer:
The Web of Learning




Google, PBWORKS, Blogger, Slideshare, Wikis, Blogs, Ning

We are entering a jumping off point...

Elements of the Web's Next Generation



Part 2: Stretching the Edges of Technology-Enhanced Teaching: From Tinkering to Tottering to Totally Extreme Learning



Tinkering

WE WERE REDUCED TO MAKING SHADOWS OF THINGS

TINKERING

"I'm a thinker therefore I tinker!"

tinkering things

Tinker #1. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules (Franklin University, cost and forensic accounting course)

<http://vimeo.com/franklinuniversity/franklinuniversity/accounting/cost-forensic-accounting-course>
<http://vimeo.com/franklinuniversity/franklinuniversity/accounting/cost-forensic-accounting-course>

Cost Behavior

Cost behavior is the way costs react to changes in the level of output or activity.

Cost of food and labor ↑

Number of Meats ↑

Property Tax ↑

Tinker #2. Analyze Online Cases (problems, solutions, etc.)

I'd like to take the quiz now.

Hemorrhagic necrosis: exuberant and happy. Poorly demarcated cellular subcutaneous...

Tinker #3. Timeline Tools (e.g., USA Today, August 26, 2011)

<http://www.usatoday.com/story/news/politics/2011/08/25/764666a>

Martin Luther King Jr. Memorial in Washington: A closer look

Tinker #3. Timeline Tools (e.g., Steve Jobs' career, CNN, August 24, 2011)

http://www.cnn.com/2011/TECH/innovation/08/24/steve.jobs.timeline/index.html?hpt=hp_in7

Timeline: Steve Jobs' career

Gates through the

Tinker #3. We the People (interactive timeline from the Constitution Center)

<http://constitutioncenter.org/timeline/flash/cw.html>

The world and its governments have changed greatly since 1787.

Tinker #3. Time Tracker (e.g., Indy Race Tracker, May 29, 2011)

<http://www.indycar.com/season/2011/indycar-2011-05-29-2011-05-29/indycar-2011-05-29-2011-05-29/indycar-2011-05-29-2011-05-29>

2011 INDY 500 RACE TRACKER

Lap: 200

Tinker #4. Video Animations and Simulations

3D Human Anatomy

Tinker #5. Collaborative Groups (Google Docs, Ning, Google Groups, MSN Groups, Yahoo Groups)

Ning in Education

Ning

Tinker #6. Online Experiments (e.g., psychology)

perception lab

PSYCHEXPERIMENTS

Top Ten Online Psychology Experiments

Tinker #7. Reading from Open Access Journals and Listen to Open Access Podcasts

The International Review of Research in Open and Distance Learning

Military History Podcast

MILITARY PODCAST


Tinker #8. Track Life of a Scientist or Famous People (e.g., Brian J Ford, independent scientist)

<http://www.youtube.com/user/tellymonitor#p/a/u/1/LhGeApsKjaar>

Brian J Ford

Inter Micro 2010


Tinker #9. Online Portals of Rich Data
United Nations Opens World Digital Library, Turning the Pages from the British Library, etc. (history, culture, literature, writing, art, etc.)




Tinker #10. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State University, Come and See Africa Blog; <http://comeandseeafrica.blogspot.com/>)



Tottering



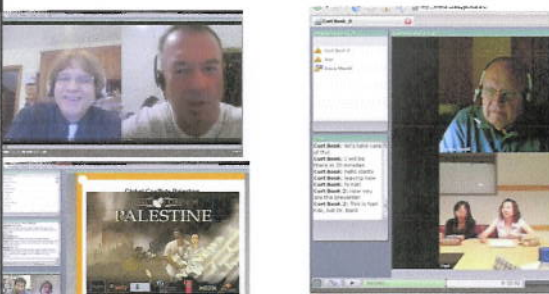
Totter #1. Bridges to World of Expert and Practitioners
 (e.g., Watch or Listen to Online Conferences, Expert interviews, blogs, chats, etc.)



Totter #2. Global Class
Videoconferencing and Remote Lands
 (e.g., The seminar was structured on a series of videoconferences and virtual classes on e-learning platform, organized by the Major of the Health and Veterinary Corps of Italian Army Lorenzo TIDU, Veterinary of the Task Force South of the Regional Command West, which is strongly involved in the specific field in favor of populations of the villages in the province of Parah.)



Totter #3. Combining Asynchronous and Synchronous Events



Totter #4. Multi-Site Events (e.g., William and Mary, March 3, 2011)

A screenshot of a multi-site video conference. The main window shows a grid of eight video feeds of participants. On the right side, there is a sidebar with a list of participants and their names. The interface is typical of a web-based video conferencing tool like Blackboard Collaborate.

Totter #5. Wikibooks, Wikipedia editing, wiki syllabi, wiki glossaries (Ron Owston, York University, Toronto)

A collage of images related to Web 2.0 and Wikibooks. On the left, a group of four people are standing and raising their arms in a celebratory gesture. On the right, there is a graphic titled "Web 2.0 and Emerging Learning Technologies" featuring icons for Web 2.0, Wikibooks, and a lightbulb. Below the graphic is the Wikibooks logo.

Totter #6. Student YouTube Products

<http://www.youtube.com/watch?v=xiwSIryPzsQ>
http://www.youtube.com/watch?v=x3FJyi4Pn_E
<http://www.youtube.com/watch?v=eD1awpaSuP0>
http://www.youtube.com/watch?v=8P7Bj0NKxYk&feature=player_profilepage

Two YouTube video thumbnails. The first is titled "web2 0 Freedom" and features a graphic with the word "FREEDOM" and icons for "Freedom of Expression", "Collaboration", "Open Resources", and "Motivation". The second is titled "The world is open with the Web 2.0 technologies" and shows a cartoon character standing next to a chalkboard with the same text.

Totter #7. Podcast Productions and Virtual Performances for students of pronunciation class (e.g., Tzu-Su Chen, Taiwan)

Two screenshots of podcast pages. The left one is a Podomatic page for "tsuyi hseh's Podcast" with a blue background and the text "Hey Jude, don't make it bad / Take a sad song and make it better". The right one is a page for "tsuyi hseh's Podcast" with a black background and Chinese text, including "Podcast 1: 國中會考綜合" and "Podcast 2: PK 6 Phonics Easy Go! 學生動會考會考".

Totter #8. Video Blogging

A screenshot of a YouTube video player. The video is titled "World is Open Final Project" and shows two people sitting at a table. The YouTube interface is visible, including the search bar and navigation buttons.

Totter #9. Podcasting Medical Lectures (School of Dentistry, University of Michigan)

Two screenshots. The left one is a screenshot of the "IT Bookcamp" website, showing a list of books and a "DESCRIPTION" section. The right one is a diagram titled "Audio Acquisition via Computer" showing a flowchart of the audio acquisition process, including a microphone, computer, and software.

Totter #10. Music Videos of Content History for Music Lovers, Washington Post
The French Revolution ("Bad Romance" by Lady Gaga)
Trojan War ("Tainted Love" by Soft Cell)
Charlemagne ("Call Me" by Blondie)

<http://www.youtube.com/user/historyteachers?blend=9&ot=9&pr=7&JULC8jgdA>

Totally Extreme Learning

Totally Extreme #1. Immediate Science
Ida (a transitional species) 47-Million-Year-Old Fossil
the Missing Link? (May 20, 2009)

Totally Extreme #2. Live Science
 (Nautilus Live allows people to watch expeditions live & listen to scientists in control rooms a discoveries made)

Totally Extreme #3. Armchair Archeology
UCLA Summer Digs Program

Totally Extreme #4. Adventure Learning
 (e.g., GeoThentic, Earthducation, Polar Husky, GoNorth; Aaron Doering, Univ of Minnesota; cars and bikes--Dan Grec and Mark Beaumont)

Totally Extreme #5. The Last Ocean Project, Ice Stories, and Shark Theater (24 foot inflatable screen (and outdoor ocean theater) to tiny island communities) <http://www.lastocean.com/> and <http://lastocean-project.org/>; Cassandra Brooks

Totally Extreme #6. South African teens get virtual mentoring from all over the world, By Danielle Berger, CNN, January 14, 2011 <http://www.cnn.com/2011/LIVING/01/13/cnnheroes.stokes/index.html?hpt=T2>

Totally Extreme #7. Open Teaching and Massive Open Online Courses (i.e., MOOC, David Wiley, George Siemens, Ray Schroeder)


Totally Extreme #8. International and Global Education and Competitions (e.g., Global Game Jams, online role play, Global Videoconferencing)

Totally Extreme #9. Pocket School and Seeds for Empowerment

Totally Extreme #10. Telepresence and Teleportec Systems (e.g., Cisco and HP)

Totally Extreme #11. Military Mobile Learning (See: the U.S. Army Learning Concept for 2015; 2011, January 15).

<http://www.youtube.com/watch?v=KD9NGAV3-3k> (4:26 minutes)




Totally Extreme #12. Virtual Choirs

April 6, 2011: Eric Whitacre: A virtual choir 2,000 voices strong; <http://www.youtube.com/watch?v=6WhWDCw3Mng>



Totally Extreme #13. Virtual Worlds (e.g., Dr. Monica Rankin's class, UT Dallas, Cuban Revolution, April/May 2011)

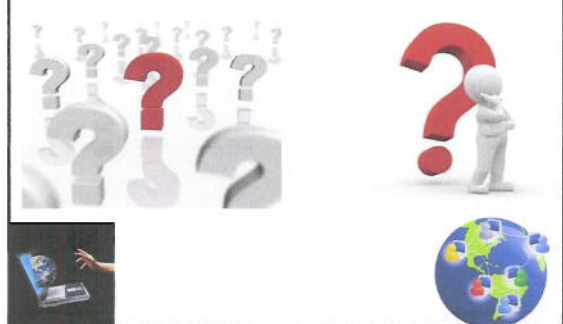
<http://www.youtube.com/watch?v=ocQMf1kPo98>



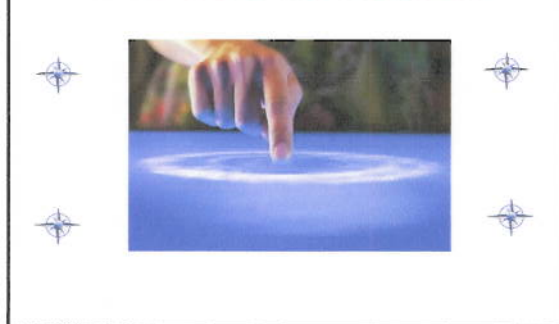
Totally Extreme #14. On-Demand Multi-Participant Synchronous Conferencing



Is this a revolution?



Where are we headed?



Old Days of Mobile, Ubiquitous, and Personal Technology

Life in the Cloud...?

Cloud Computing
everything and the kitchen sink

Learning increasingly virtual?

University of Kansas Medical Center's Use of Second Life

Smaller, thinner, lighter, and cheaper devices

Now have the Web 2.0

Soon We will have "Personalized Learning Environments" (PLEs)

(leaders include: Scott Wilson, Graham Attwell, George Siemens, and Stephen Downes)

Personalized Learning Environments
(Mark Johnson et al., University of Bolton, 2006)

- Access to experts for apprenticeship
- Provide learning paths for students.
- Support conversations based on preferences.
- Team—connect to others with similar interests.
- Activities—match to one's learning preferences.
- Social events—based on profiles, prefs, & contacts.
- Technology—making tools available that prefer.



What is Expertise?

PKP PUBLIC KNOWLEDGE PROJECT

flatworld KNOWLEDGE

Wikipedia Think Free. Learn One.

+19 diggs

Technorati

KNOL™ A unit of knowledge.

684 diggs

PLOS one Publishing science, accelerating research.

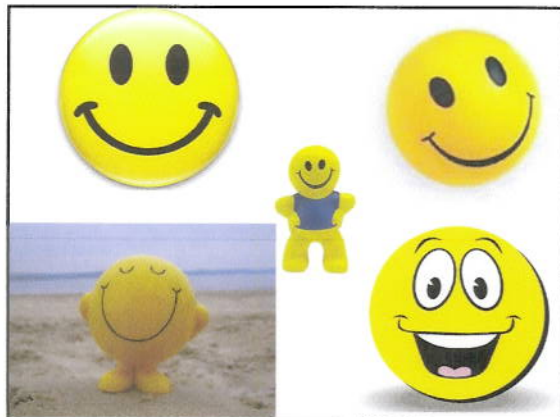
Google Alerts

The "Extreme"ly Digital Scholar...

Rethink your role as a digital scholar—create a blog, a podcast show, a wikibook, an online class, etc..



Who is Content Now?



Any Extreme Questions and Comments?

Slides at: TrainingShare.com
 Papers: PublicationShare.com
 Book: <http://worldisopen.com/>
 Email: curt@worldisopen.com

Contentment

