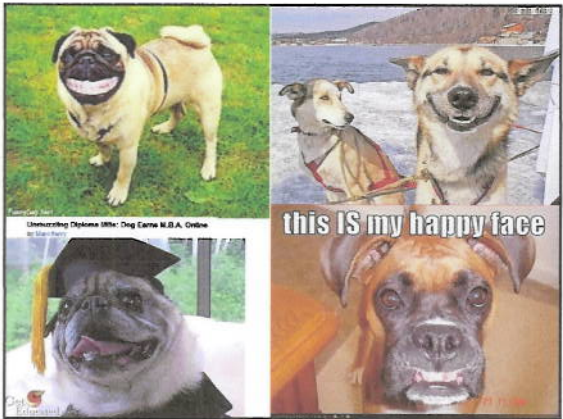
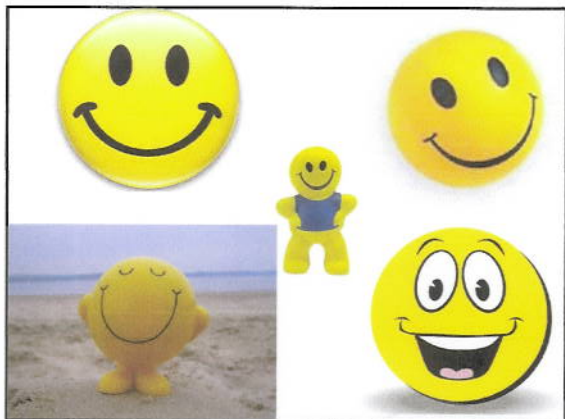

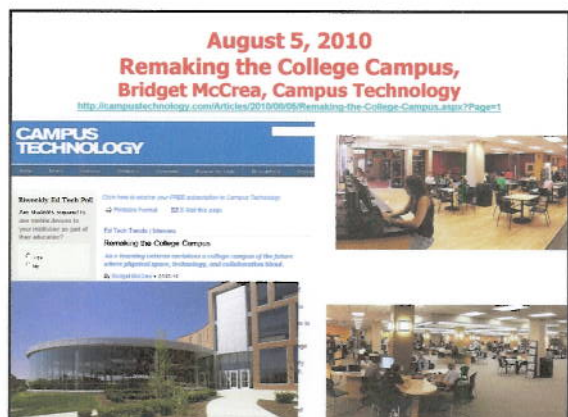
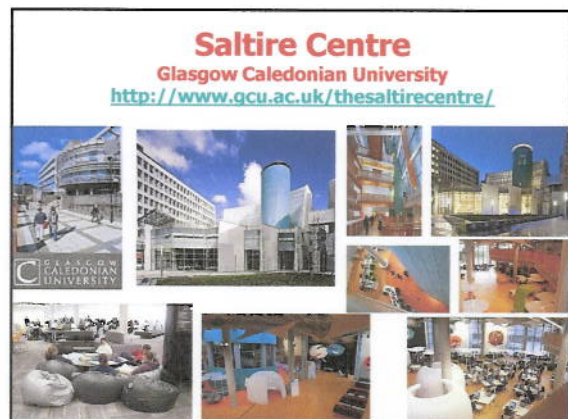
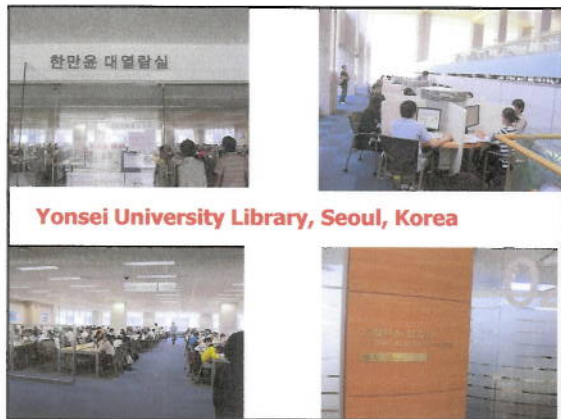


Stretching the Edges of Technology-Enhanced Teaching: From Tinkering to Tottering to Totally Extreme Learning

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



We Are Going Global Mobile!

(Paul Kim, May 2010)



Seeds for Empowerment in Argentina, August 2011

<http://tecnologia.profesional.com/notas/120526-Telecom-y-la-cana-de-Google-y-Tahoe-prueban-smartphones-educativos-en-escuelas-argentinas>



September 2010 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 2010

"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




■ SOCIAL NETWORKING

Top social networking sites

*Time on site + video in August (100 million hours, average)

Facebook.com	82.2 million
MySpace sites	64.2 million
Tumblr.com	40.8 million
Dailymotion	17.4 million
Chatterbox.com sites	13.9 million
Facebook Platform (total kit)	12.5 million
MyLife.com sites	11.4 million
Windows Live Profile	10.2 million

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



FLVS Completion History

As of June 30, 2010

Year	Completion History
2001-2002	14,000
2002-2003	12,000
2003-2004	24,700
2004-2005	34,000
2005-2006	54,100
2006-2007	64,000
2007-2008	116,000
2008-2009	154,100
2009-2010	210,000

Completions are measured as full credit completions, based on Florida Virtual School Class - FLVS student completions during a 12-month period.

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




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

<http://www.cnn.com/2011/TECH/gadgets/03/02/steve.jobs.ipad2/index.html?ref=NS1>



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	26,859	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

April 30, Sep 10

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

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

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

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

August 3, 2011
Inking opens textbooks on the iPad
 USA Today, Jefferson Graham

<http://www.usatoday.com/story/news/technology/textbooks/2011-08-02/inkling-opens-e-textbooks/4140>

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.

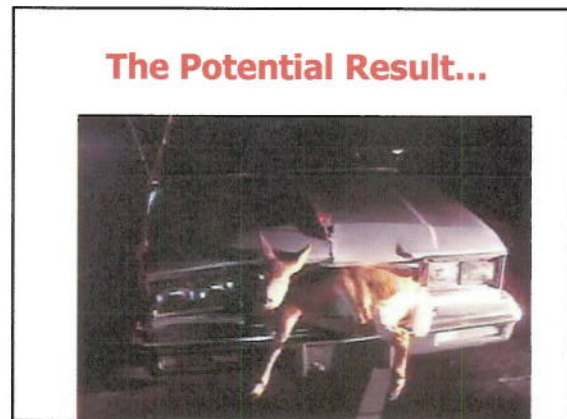
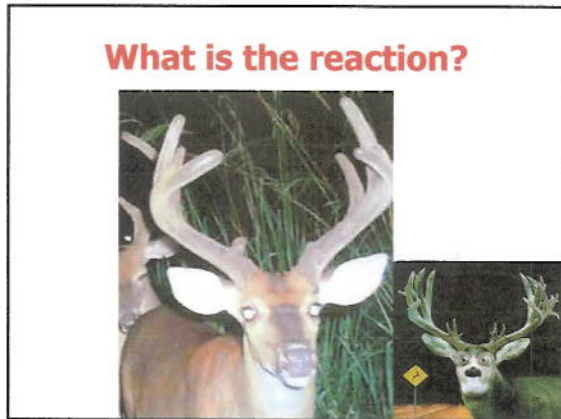
Inking opens textbooks on the iPad

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>

Enrollment in Postsecondary Distance Courses Has Grown More Than Twofold Through 2010

Year	Enrollment
2000	~1,000,000
2001	~1,100,000
2002	~1,200,000
2003	~1,300,000
2004	~1,400,000
2005	~1,500,000
2006	~1,600,000
2007	~1,700,000
2008	~1,800,000
2009	~1,900,000
2010	~2,000,000



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/>)

September 12th, 2011 Indiana University tries to drive down textbook costs with eBooks Online textbooks initiative comes as student activists clamor for more affordable options nationwide, eCampus News, Denny Carter <http://www.ecampusnews.com/top-stories/indiana-university-tries-to-drive-down-textbook-costs-with-ebooks/>

September 12th, 2011 Adapting to the iPad, called education's 'equalizer', USA Today, Alesha Williams Boyd, <http://www.usatoday.com/story/tech/special/2011/09/12/adapting-to-the-ipad-called-education-s-equalizer/509624201>

Adapting to the iPad, called education's 'equalizer'

By Alesha Williams Boyd, USA TODAY

Anthony Leuck of Berkeley, N.J., is used to communicating in unconventional ways.

The 15-year-old is a quadriplegic with multiple disabilities that make speech and muscle control extremely difficult. He interacts through eye gaze or by tapping his head against a switch on a communication device to spell out words.

But on a recent afternoon at the Leberman Center, a special-needs school in Lakewood, N.J., Leuck was able to make music. With some effort, he laid his fingers lightly over the golden keys of a guitar on an iPad screen. The touches produced a series of acoustic-style chords from the iPad — and a big grin from Leuck.

September 18, 2011
iPad-enabled students get performance boost, says ACU study
 by Michael Rose, TUAW (The Unofficial Apple blog),
<http://www.tuaw.com/2011/09/18/ipad-enabled-students-get-performance-boost-says-acu-study/>

The screenshot shows the TUAW website layout. The main headline reads "iPad-enabled students get performance boost, says ACU study" by Michael Rose. The article text is partially visible, mentioning a study by the American Council on Education (ACE) that found students using iPads scored 25% higher on operations. A small image of an iPad is shown on the right side of the article.

September 25, 2011
Moodle (46 million users in 212 countries, 56,600 sites, 4.88+ million courses)

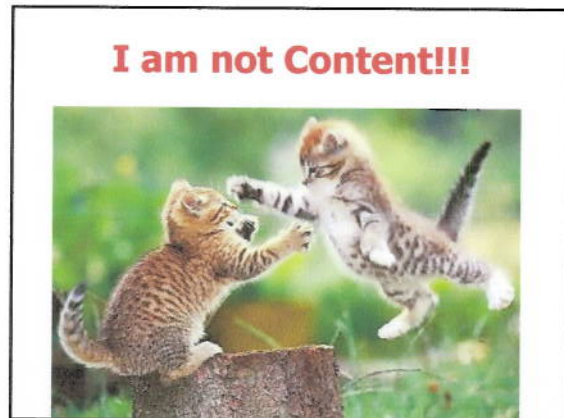
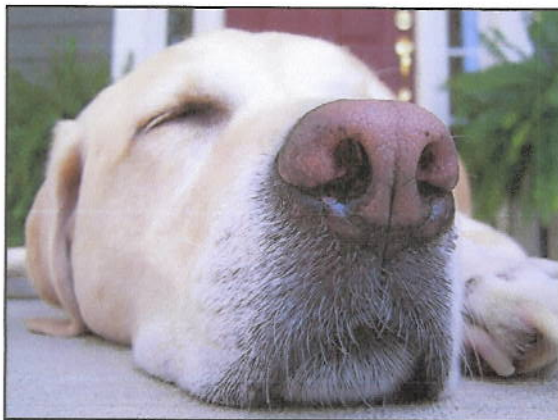
The screenshot displays the Moodle website's user statistics page. It features a large yellow area with a line graph showing growth. To the right, there is a grid of many small user avatars. Below the grid, there is a photo of two men standing together.

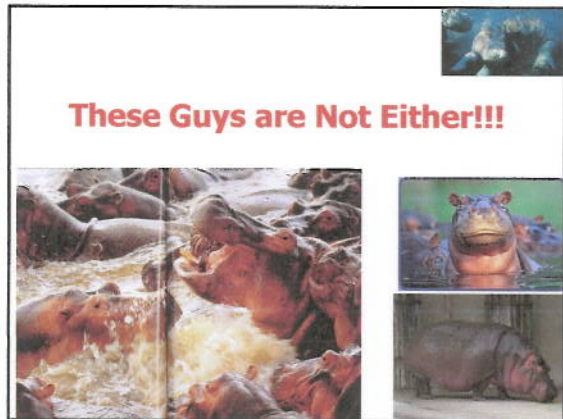
October 2, 2011
The University of Wherever, NY Times, Bill Keller,
<http://www.nytimes.com/2011/10/03/opinion/the-university-of-wherever.html>

The screenshot shows the NY Times article "The University of Wherever" by Bill Keller. The article discusses the rise of online education and its impact on traditional universities. A portrait of Bill Keller is visible on the right side of the page.

Oct 3, 2011
MCCSC 6th-graders to get iPads, Herald Times, Bethany Nolan

The screenshot shows the Herald Times article "MCCSC 6th-graders to get iPads" by Bethany Nolan. The article reports that the Madison County Community Schools District will provide iPads to 6th-grade students. A photo of a young boy is included in the article.



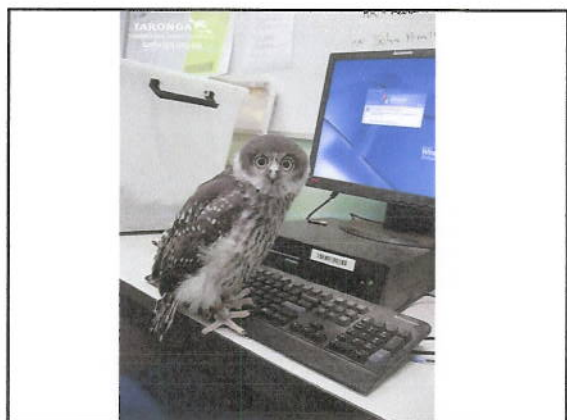


September 15, 2010
Study: Online learning might be less effective for some, eSchool News, Dennis Carter

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

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

May 24, 2010
Author Nicholas Carr, The Web Shatters Focus, Rewires Brains, Wired
http://www.wired.com/magazine/2010/05/ff_nicholas_carr/



August 26, 2011
Collaborative Learning for the Digital Age,
 Cathy Davidson, Chronicle of HE,
<http://chronicle.com/article/Collaborative-Learning-for-the/128789/>

Collaborative Learning for the Digital Age
 By Cathy N. Davidson

August 26, 2011
Collaborative Learning for the Digital Age,
 Cathy Davidson, Chronicle of HE,
<http://chronicle.com/article/Collaborative-Learning-for-the/128789/>

"I want to suggest a different way of seeing, one that's based on multitasking our attention—not by seeing it all alone but by distributing various parts of the task among others dedicated to the same end. For most of us, this is a new pattern of attention. **Multitasking is the ideal mode of the 21st century, not just because of information overload but also because our digital age was structured without anything like a central node broadcasting one stream of information that we pay attention to at a given moment. On the Internet, everything links to everything, and all of it is available all the time.**"

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

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

Those in hurricanes!

(Katrina, August 2005; Ike, Sept 2008; Irene, August 2011)

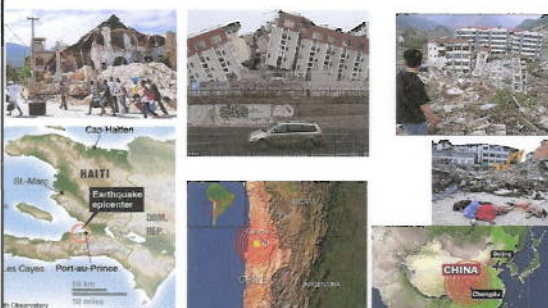


©2008 AccuWeather.com

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



Those in earthquakes!



Cap-Haïtien

HAITI

Earthquake epicenter


St-Marc

Port-au-Prince

CHINA

Chengde

Those effected by volcanos (Iceland, April 2010)



Ash cloud

LIBYAN AIR

Those in blizzards and ice storms...




Snowmegeddon, Washington, DC (winter of 2010)




Those stuck in airports the "Groundhog Day Blizzard" of February 2011 (Jan 31-Feb 2nd)



Those in tsunamis? (Japan, March 11, 2011)




Those in tornados...! (April 24, 2011)



Not in Lovely Kansas...



Why should we be content?



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/ 2.2K, dual drives.
 CPU: Zilog Z-80, 2.01 MHz
 RAM: 4K, 48K max.
 Ports: Cassette tape, expansion, serial
 Display: 12-inch BW monitor: 64 x 16 text
 Storage: 0, 1, or 2 internal 5.25 floppy drives
 External cassette @ 500/1500 baud
 OS: BASIC in ROM, TRS-DOS on disk




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

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



1. PEOPLE USE MULTIPLE MONITORS suggest the conventional screen type pads are being replaced by conventional computers than for why in this office at the Xerox Palo Alto Research Center. Photo: © The Computer in the 21st Century

Let's Reflect Back 10 Years...





Virtual Tactical Operations Center (VTOC)





Shovelware





You paid \$200 to play gimmicky ports of best selling flash games. How dumb are you?

Ten Years Later...




Fourteen Learning Technology Trends of the Past Year or Two...

Source: IT 2.0, 2010/07
Another Benefit of Robot Teachers: No 'Moral Problems'
By Jeff Young

Source: IT 2.0, 2010/07
Another Benefit of Robot Teachers: No 'Moral Problems'
By Jeff Young

1. Inexpensive Laptops and Netbooks

#2. Online Language Learning

January 27, 2010 and Feb 5, 2010: The Web Way to Learn a Language, NY Times, ERIC A. TAUB (e.g., EnglishCentral, iTalki, Palabea, Babbel)

#3. Tablet Computers Hit (iPad)

April 10, 2010: Seton Hill Univ, 2,100 students an iPad and freshmen a 13-inch MacBook laptop
Feb 1, 2011: An Android Tablet Made Just for School, David Zax, Fast Company

#4. Pocket Dictionaries and Digital Textbook Projects (Korea), July 6, 2011:

Husna Haq, In South Korea, all textbooks will be e-books by 2015, Speeding past the US, South Korea will be digitizing reading material in all public schools by 2015. Christian Science Monitor.

#5. Video Conferencing/Webcamming

December 20, 2010: Skype for iPhone adds two-way video calling, CNet Reviews

WATCHING VIDEO ONLINE	
Google (YouTube)	14.3 billion
Hulu	757 million
Yahoo	650 million
Vevo	510 million
Viacast	497 million
Microsoft	455 million
AOL	340 million
Roku	247 million
Fox Interactive (MySpace)	200 million
CBS	197 million

* includes Comedy Central and MTV. Source: ComScore Global Search, November

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

SocialEyes delivers group video chat

By Jon Swartz, USA TODAY

SAN FRANCISCO — The brain behind digital media pioneer **SocialEyes** are at it again — with a new, two-way video service on Facebook.


SocialEyes, which launches today, is bringing live video for several people at once to Facebook users and others as they can collaborate on work, chat about content, attend or even learn to play an instrument together.

"It's a way to connect to friends, in real time, on your social graph," says co-founder Peter Ober of the firm, which he has stepped down as CEO of SocialEyes last year, the former chairman of Intel.

"This is a richer way to connect," Ober says.

Robert Williams, who has stepped off and on with Ober for about 20 years, is CEO of SocialEyes.

The 13-person start-up, based here, has raised \$5



First Look at Google+ Hangouts, June 29, 2011 <http://www.youtube.com/watch?v=81P3aFvTA8w&list=PL8952Afeatures1r>

First Look at Google+ Hangouts

4:31 videos



Facebook introduces video calling, Eric Stoller, July 6, 2011, Inside Higher Ed http://www.insidehighered.com/news/student_affairs_and_technology/facebook_introduces_video_calling

Facebook introduces video calling



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




#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.worldreader.com/press/what_makes_educational_technology_successful_in_the.php
<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

<p>Watson</p> <p>1,100 pounds</p> <p>4 years</p> <p>2,800 processors</p> <p>200 trillion</p> <p>15 trillion</p>	<p>Human brain</p> <p>Weight</p> <p>3 pounds</p> <p>Development time</p> <p>6 million years</p> <p>Processors</p> <p>1 billion neurons</p> <p>Computations (per second)</p> <p>100,000 trillion</p> <p>Memory (in bytes)</p> <p>1 trillion</p>
---	--

Computer ties human as they square off on 'Jeopardy!'

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/ibm-uses-cyber-students-818616>

Apps make college easier to access

#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>)

Dec 16, 2010
Introducing Word Lens
<http://www.youtube.com/watch?v=h2OFQdYrHRs>

#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.iri.iu.edu/ViewPage.aspx?id=230>

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

The Web of Learning

The Networked Teacher

Logos: Google, L'VE JOURNAL, NING, PBWORKS, Blogger, slideshare

We are entering a jumping off point...

Elements of the Web's Next Generation

Logos: PBWORKS, Blogger, slideshare

Is the World Flat?

Logos: NATIONAL BESTSELLER, Thomas L. Friedman

Is the World Curved?

Logos: THE WORLD IS CURVED, HIDDEN DANGERS TO THE GLOBAL ECONOMY, DAVID M. SMICK

Is it spiky?

Logos: WHO'S YOUR CITY?, RICHARD FLORIDA, THE FLIGHT CREW, Rotman

Or is it Open?

Logos: The MIT Press, OPENING UP EDUCATION, The Collective Advancement of Education through Open Technology, Open Content, and Open Knowledge



Framework #1: WE-ALL-LEARN:
 Ten Forces that Opened the Learning World

- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**eal-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)

Audience Participation!

1. WE

2. ALL

3. LEARN!!!

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

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





The Learning World is Open

New Technologies = New Delivery Methods...

CLO, September 2011




Learning Delivery

How Do You Deliver Learning?


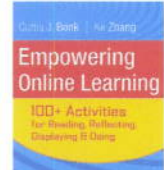

Framework #2: TEC-VARIETY for Online Motivation and Retention

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







Framework #3: The R2D2 Method

- Read (Auditory and Verbal Learners)**
- Reflect (Reflective Learners)**
- Display (Visual Learners)**
- Do (Tactile, Kinesthetic, Exploratory Learners)**






1. Auditory or Verbal Learners

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

Framework #4: From Tinkering (13) to Tottering (13) to Totally Extreme Learning (13)...



Tinkering

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

<http://video.franklin.edu/franklin/coc27/managerialAccounting/cost-behavior-player.html>
<https://video.franklin.edu/franklin/coc27/352/common/costscenario102.html>

Tinker #2. Webcast Lectures (Tegrity, Echo360, Mediasite, etc.)

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

<http://www.usatoday.com/story/news/nation/2011/08/25/remember-king-jr-memorial-in-washington-6-steps-to-101244501/1#>

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

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

https://www.cnn.com/2011/TECH/innovation/08/24/steve-jobs.timeline/index.html?hpt=hp_hp?

Tinker #4. Video Animations and Simulations

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

This slide illustrates collaborative tools. It features screenshots of Google Docs, a Ning website, and a network diagram with a globe. The Ning logo is prominently displayed in the bottom left corner.

Tinker #6. Case Learning and Role Play (Kelley Direct, IU)

This slide shows case learning and role play. It includes screenshots of the Kelley Direct website, a video conference in progress, and the Kelley School of Business logo from Indiana University.

Tinker #7. Online Experiments (e.g., psychology)

This slide focuses on online experiments. It features screenshots of a 'perception lab', the PSYCHEXPERIMENTS website, and a list of 'Top Ten Online Psychology Experiments' from Psych Central.

Tinker #8. Reading from Open Access Journals; Listen to Open Access Podcasts

This slide highlights open access resources. It shows the cover of 'The International Review of Research in Open and Distance Learning' and the 'Military History Podcast' logo.

Tinker #9. 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/LhGeApsKJasr>

This slide tracks the life of a scientist. It includes a screenshot of a YouTube video and a website page for Brian J Ford, featuring a video titled 'Watch as the BBC fail to recreate the experiments'.

Tinker #10. 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.)

This slide shows online portals of rich data. It features screenshots of various digital libraries and online galleries, including one from the United Nations and another from the British Library.

Tinker #11. On-Demand Webcasts in Virtual Classroom Settings (Grant Thornton, August 2010, CLO Magazine) <http://www.clomedia.com/case-study/2010/August/2598/index.php>

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Grant Thornton Delivery Model

As the learning and development world moves from on-campus, single-channel, one-to-one learning to multi-channel, multi-media, self-paced, on-demand and self-directed learning, organizations need to re-examine their learning and development strategies. This requires an integrated and self-directed approach to learning and development.

Tinker #12. Business Podcasting

MBA Executive Podcasts

Kelley MBA Podcasts

Keller School of Business Podcasts

Tinker #13. Scenario Learning (e.g., Krispy Kreme Management 101)

Scenario Challenge

Why is it important for each of us to apply Active-Book learn-based values to all work situations?

Character Grid:

- Charles
- Carlita
- Bernardo
- Alma

Krispy Kreme Doughnuts

Tottering

Totter #1. Bridges to World of Expert and Practitioners (e.g., Invite, 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, Veterinarian 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 Farah.)

Totter #3. Combining Asynchronous and Synchronous Events

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

Totter #5. Online Language Learning and Conversations
(e.g., PalTalk, iTalki, Palabea, Babbel)

Totter #6. Wikibooks, Wikipedia editing, wiki syllabi, wiki glossaries
(Ron Owston, York University, Toronto)

Web 2.0 and Emerging Learning Technologies

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

Totter #8. Video Blogging

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

The image shows a screenshot of an iTunes library with a podcast titled "IT Bookcamp" selected. To the right is a diagram titled "Audio Acquisition via Computer" showing a workflow from a microphone to a computer and then to a podcasting service. Below the diagram is a circular diagram labeled "Figure 1 Instructional Design Process".

Totter #10. Uploading Mobile Books (e.g., BookRix, <http://www.bookrix.com/>)

The image displays the BookRix website interface, which promotes uploading mobile books. Below the website is a screenshot of a mobile book titled "Mobile Devices & Learning" with the subtitle "How mobile devices are re-shaping the field of education" by Mark Miller.

Totter #11. Simulation Games

The image shows two screenshots from simulation games. The top left shows a military training simulation with soldiers and a computer monitor. The top right shows a first-person view of a soldier in a field. The bottom screenshot shows a virtual city street scene from a game labeled "VBS".

Totter #12. Employee Film Competitions (Deloitte Film Festival)

All: <http://www.youtube.com/user/DeloitteFilmFest>
 Is This Heaven: http://www.youtube.com/user/DeloitteFilmFest#p/u/14/49Wn_b5ca7c
 Dude Where's My Proposal: <http://www.youtube.com/user/DeloitteFilmFest#p/u/14/4911Bu7G3Hrs>
 Behind the Scenes: <http://www.youtube.com/user/DeloitteFilmFest#p/u/10/Wf5-5aDaUE>
 The Green Dot: <http://www.youtube.com/watch?v=i80uh8uh3XY>
 Kid Fakes Job Interview: <http://www.youtube.com/watch?v=99gh6-175s&feature=related>

The image shows a screenshot of the Deloitte Film Festival YouTube channel page, featuring several video thumbnails and a list of related videos.

Totter #13. Healthcare in Second Life (operating room in London and Austin)

The image displays four screenshots from Second Life virtual worlds. The top left shows a virtual operating room with avatars in blue scrubs. The top right shows a virtual building labeled "Medical Simulation in the Virtual World of Second Life by MSLV". The bottom left shows another virtual operating room scene. The bottom right shows a virtual classroom or meeting room with avatars.

Totally Extreme Learning

The image is a collage of six images representing extreme learning experiences: a person on a treadmill, a "HURRICANE IKE" graphic, a person reading, a person in a virtual environment, a group of people in a meeting, and a butterfly.

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

The collage features a fossil of a primate, a 3D reconstruction of the fossil, and a screenshot of a website titled "Ida's World" with a video player and text.

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

The collage features a screenshot of the Nautilus Live website, a scientist in a control room, and various underwater scenes from the expedition.

Totally Extreme #3. Armchair Archeology
UCLA Summer Digs Program

The collage features photos of people at an archaeological site, a skull, and a screenshot of a website with a video player.

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)

The collage features a person on a bicycle, a person in a control room, and various outdoor scenes.

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

The collage features a large inflatable screen, a close-up of a shark's eye, and a person in a control room.

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>

The collage features a screenshot of a CNN article, a person in a control room, and a person in a video call.

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

eduMOOC
Online Learning Today...and Tomorrow

Welcome to eduMOOC 2011

Accessing Online Learning - From the MERLOT open collection, utilizing some resources available on the site.

eduMOOC 2011

Accessing Online Learning - From the MERLOT open collection, utilizing some resources available on the site.

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

Global Game Jam

Totally Extreme #9. Telepresence and Teleportec Systems (e.g., Cisco and HP)

Totally Extreme #10. 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 #11. MBAs from War Zones...!

LEARNING


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Totally Extreme #12. Learn Anytime, Always On/Mobile. Will Technology Kill the Academic Calendar? Online, semesters give way to students who set their own schedules, Marc Parry, Chronicle of Higher Ed, October 10, 2010

Robert Johnson, who championed the open-format Learn Anytime program at a two-year college in Louisville, Ky. checks students' e-mail while waiting for a flight. "Everything I need to do today, I can do on my phone," says Robert Johnson...He often grades papers and communicates with students from a cafe near his home.

Totally Extreme #13. Pocket School and Videoconferencing in Developing World
(Paul Kim, Stanford, Rwanda, August 2010, Kigali Institute of Education linking up with universities in India and Cameroon through Satellite Internet video conferencing system. They were discussing Java programming.)



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