February 16, 2011
Bill Clinton in Surprise Talk on Tech: It’s the Institutions, Stupid, David Zax, Fast Company

March 3, 2011
Bill Gates Promotes Professor’s Online Course at TED, Chronicle of HE, Jeff Young, The History of Everything

But I am not Content!!!

Shovelware

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

July 25, 2010
Professors’ Use of Technology in Teaching, Jeffrey Young, Chronicle of Higher Education
August 9, 2010
Bill Gates Predicts Technology Will Make 'Place-Based' Colleges Less Important in 5 Years, By Jeff Young, Chronicle of HE

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

December 30, 2010
The year we stopped talking
Sharon Jayson, USA Today
http://www.usatoday.com/printedition/news/2010/12/30/jayson00-0x.asp

January 23, 2011
As the Web Goes Mobile, Colleges Fail to Keep Up,
Chronicle of Higher Ed, Josh Keller

February 17, 2011
US internet access still a problem; Govt says up to 10 pct in US lack good Internet,
Joelle Tesiiar, AP Technology Writer

February 27, 2011
Actually Going to Class, for a Specific Course? How 21st-Century. New learning technologies prompt a rethinking of traditional course structure, Chronicle of HE, Jeffrey A. Young

"There's not really much need for teachers anymore," since so much material is online, says Debrale Somode, 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

The Web of Learning

Some Educational and Psychological Heroes: John Dewey, Seymour Papert, John Seely Brown, Ivan Illich, Stephen Heppell, Henry Jenkins

Our New Heroes are not Theoretical or Psychological

Today we have the Web 2.0
We are entering a jumping off point...

Life in the Cloud...

Nature AND Nurture: Technology

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

Technology of the 1980s

Charles Wedemeyer, University of Wisconsin
Things That Became Obsolete This Decade
December 11, 2009, Silicon Alley Insider

Gadgets that Changed Everything This Decade
December 9, 2009, Jay Yarow, Silicon Alley Insider

June 9, 2010
TwitterPeek: Restricted to Twitter.
WikiReader: Updating can be a pain.

Brewster Kahle, and Aaron Swartz, Open Library the Internet Archive

15 Learning Technology Trends
1. Inexpensive Laptops and Netbooks

2. Online Language Learning
   (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

   Samsung: Galaxy Tab has leg up on Apple iPad, By Stephen Shankland, CNET, September 3, 2010

   OLPC, Marvell Join Forces, Announce sub-$100 Tablet by December 2010, Mike Prospero

   July 23, 2010: India unveils $35 computer for students, CNN World, Harmee Singh

Feb 1, 2011: An Android Tablet Made Just for School, David Sax, Fast Company

Feb 8, 2011: CNN HP unveils TouchPad tablet, two phones, Mark Milian, CNN Tech News

Feb 9, 2011: Apple iPad 2 now in production, Chris Taylor, CNN Tech News
5. Pocket Dictionaries
September 9, 2010: Campus Tech in China: Impressions From 3 Campuses, Jeff Young
I didn’t see any laptops in use here, though the three Korean exchange students I sat with proudly produced their favorite educational projects: portable electronic dictionaries that can hunt down words in Chinese, Korean, English, and Japanese. Language learning has the best use of technology here, according to some professors I’ve talked to this week, and electronic stores sell what seems like hundreds of variations of digital dictionaries.

7. Mobile Music
December 10, 2010: Virtual Bands, Choirs, Singers, etc. iBand Rocks Tunes on iPads and iPhones; Pedigget.

8. Video Calling/Conferencing/Webcaming
December 20, 2010: Skype for iPhone adds two-way video calling, CNet Reviews
9. Social Networking Gaming
December 24, 2010: CityVille 16.5 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

10. E-Book Readers
January 28, 2011: Amazon: Kindle Books Finally Eclipse Paperbacks, Doug Aamoth

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

March 2, 2011: The rise of the 99-cent Kindle ebook, March 3, 2011, Cnet, Dan Carnoy,

Why Amazon would be smart to give away the Kindle, March 4, 2011, CNN Tech, Amy Cargran

12. New Interfaces
Feb 18, 2011: Telekinesis 2.0, David Zax, Fast Company

13. Artificially Intelligent Computers
February 15, 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.
14. Group Video Chat, February 28, 2011:

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

Where are you headed?

Do you know the shape of the world?

Is the World Flat?

Is the World Curved?
Is it spiky?

Or is it Open?

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 (e.g., 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)

"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

Audience Participation!

1. WE
2. ALL
3. LEARN!!!
**Triple Learning Technology Convergence of "WE-ALL-LEARN"**

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

**Nature AND Nurture: Pedagogy**

- **Nature (Technology):**
- **Nurture (Pedagogy):**
- **People, Society, Culture, etc.:**

**The R2D2 Method**

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

**1. Auditory or Verbal Learners**

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

**Read 1. Wikibook or Wikipedia Editing or Critiques**

- Ask students to critique a wikibook or page from Wikipedia.
Reflect 2. Analyze Online Cases (problems, solutions, etc.)

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

Which of these video sharing sites do you use?
1. BBC News Video and Audio
2. CVN.com Video
3. MSNBC.com
4. Google Video, Yahoo Video
5. Current TV
6. Fox TV
7. MIT World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explora, Global Pulse, Latin Pulse
11. Howcast, iLig Think, WonderHowTo, Explo.TV, NASA TV, ClipChop, TV Lesson, BookTV, Edutopia videos, monkeySee, doFlick, the Research Channel, iVideoSong

Learning and Memory Videos

Academic Earth

Free online video courses from leading universities.

RSA Animate - Drive: The surprising truth about what motivates us
http://www.youtube.com/watch?v=ulXAPmsuf3c
**Do 4. Create Blogs** (e.g., Dr. Kim Foreman, San Fran State University, Come and See Africa Blog: http://comeandseeafrica.blogspot.com/)

**Do 4. Second Life** (business, law, education, English, medicine)

**We are not motivating students with the technologies that they love!**

**Ok, Million Dollar Question: How do you motivate online learners? What Words come to mind?**

**Magic #1: TEC-VARIETY Model for Online Motivation and Retention**

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

**1. Tone/Climate: A. Video Course Intros**

(examples from Northern Virginia Community College and Indiana University RD (online MBA) program)

Yun Yee Chew, Open U Malaysia, Making Art Lessons Come Alive with Web 2.0
http://www.youtube.com/watch?v=8D5rrg/D1QcXe
2. Encouragement, Feedback, etc.:
A. Online Self-Testing (e.g., self study in accounting, vocabulary, anatomy, chemistry, dissection, etc.)

3. Curiosity, Fun:
A. Online News
(Giant jellyfish, Tiny T. rex, and Ardli)

4. Variety, Novelty:
A. Cool Resource Provider or Tech Demos

6. Relevance, Meaningfulness:
A. Tour an Online Oil Drilling Site or Role Play Situations (i.e., BP)

10. Yields Products, Goals:
C. Photo Festivals and Competitions (e.g., COFA at UNSW, Scrapblog, flickr, etc.)

TEC- VARIETY Model for Online Motivation and Retention

- Tone/Climate
- Encouragement, Feedback
- Curiosity
- Variety
- Autonomy
- Relevance
- Interactive
- Engagement
- Tension
- Yields Products
Tinkering, Tottering, or Totally Extreme?

Tinker #1. Reading from Open Access Journals (e.g., PLOS)

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

Tinker #3. Timeline Tools (e.g., SIMILE from MIT, Learning Tools from UBC)

Arlington Racetrack
Jockey's are Important

Tinker #4. Online Literature Search (Class Google Jockeys) (links to text, soundtracks, video clips, etc.)

Tinker #5. Video Animations and Self-Testings

Tinker #6. Anchored Instruction with Shared Online Video (tracking the life of scientists; e.g., Brian J Ford)

Tinker #7. Pubcasts. (videos of authors of scientific papers and science; e.g., SciVee)

Tinker #8. Collaborative Groups (Google Docs, Ning, Google Groups, MSN Groups, Yahoo Groups)
Tinker #9. Track Life of a Scientist or Famous People (e.g., Brian J Ford, independent scientist)
https://www.youtube.com/user/BrainTinker/videos?hl=en&gl=us

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.)

Tinker #11. Online Experiments (e.g., psychology)

Tinker #12. Educational Simulations

Tinker #13. Online Role Play
(e.g., Tulane University, Exercise for Renewable Energy, Freeman Sch. of Business, roles include power traders and utility dispatchers, etc.)

Tinker #14. Podcast Reflections
ENGLISH IN THE REAL WORLD
Weekly Podcasts
NursingShow.com
Tinker #15. Expert and Domain Specific Blog Reflections (English, Health, Business, etc. blogs)

August 5, 2010
Remaking the College Campus, Bridget McCrea, Campus Technology

Yonsei University Library, Seoul, Korea
Feb 1, 2011: Self-Organized Learning
from Sugata Mitra, Teacher-Replacing Tech: Friend or Foe?, Gregory Forrest, Fast Company

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

Totter #2. Famous Expert Via TED
(shared online video), Fast Company, Anya Kamensky, September 1, 2010

Chris Anderson: The entrepreneur bought TED in 2001. "It felt like something you could devote your life to," he says

Totter #3. Real World Problems (PBL online): Real-time Cases

Supersizing the case method, making it more realistic and engaging

Totter #4. Class Synchronous Sessions and Archives (Breeze/Adobe Connect, Pro, Eluminate, WebEx, Dim Dim)

Firstly, we have taken lead and places that have been

Totter #5. Global Class Videoconferencing
Totter #6. Synchronous and Asynchronous Events (e.g., Breeze + Video + Online Forum + Online Papers)

Totter #6b. Asynchronous and Synchronous Events (e.g., William and Mary, March 3, 2011)

Totter #7. Online Language Learning and Conversations (e.g., Paltalk, iTalki, Palabea, Babbel)

Totter #8. Course Announcements (e.g., Teaching with Twitter; Course announcements and following people (e.g., microblogging)

Totter #9. Wikibooks, Wikipedia editing, wiki syllabi, wiki glossaries (Ron Owston, York University, Toronto)

Totter #10. Student YouTube Products
http://www.youtube.com/watch?v=xexvExzFzjQ
http://www.youtube.com/watch?v=OlahP5nPsP0
**Totally Extreme #1. Free Online Degrees**
ISMART: Integration of Science, Mathematics, and Reflective Teaching (ISMART), University of Houston

Jen Chauvet and Mimi Lee, Univ of Houston

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**Totally Extreme #2. Live Expeditions**
Oceanographer touts deep sea web surfing; Nautilus Live allows people to watch expeditions live & listen to scientists in control rooms as discoveries made, eSchool News, June 2010, Deep-sea images reveal colorful life on ocean's floor, Sept. 2010

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**Totally Extreme #3. Live Science**
(e.g., Human brain dissections, colossal squids discovered and investigated)

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**Totally Extreme #4. Immediate Science**
I'sa (a transitional species) 47-Million-Year-Old Fossil the Missing Link? (May 20, 2009)

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**Totally Extreme #5. Armchair Archaeology**
UCLA Summer Digs Program

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**Totally Extreme #6. Google Earth Archaeology**
Archaeology (David Thomas, Archaeologist, La Trobe University, Australia)
Totally Extreme #7. Adventure Learning, GeoThentic, Earthducation, Polar Husky, GoNorth (Aaron Doering, Univ of Minnesota), Impossible to Possible, Ray Zahab

Totally Extreme #7b. Teen Solo Sailing. May 2010, Jessica Watson became the youngest person ever to sail solo, non-stop and unassisted around the world.


Totally Extreme #9. Adventure Learning (cars and bikes) Dan Grec and Mark Beaumont


Totally Extreme #11. On-Demand Multi-Participant Synchronous Conferencing
Poll #1: How many ideas did you get?

1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.
Any Extreme Questions and Comments?

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