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

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this IS my happy face
It is very open!
(May 2011, Norway & June 2011 the Philippines)
7 Tips for Building Collaborative Learning Spaces, Campus Technology, Matt Villano, June 2010

7 TIPS FOR BUILDING COLLABORATIVE LEARNING SPACES

August 5, 2010
Remaking the College Campus,
Bridget McCrea, Campus Technology
http://www.gcu.ac.uk/thesaltirecentre/
SMILE (Stanford Mobile Inquiry-based Learning Environment); Seeds for Empowerment;
http://www.stanford.edu/class/smile/index.html

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

Seeds for Empowerment in Argentina, August 2011
http://www.youtube.com/watch?v=Hd8JFJt-k92g

Seeds for Empowerment in Argentina, August 2011
http://www.youtube.com/watch?v=Hd8JFJt-k92g

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

United Enrollment: Projected Enrollment at 99% Growth Rate
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

Prepared by
L.D. Connerman and Jennifer
Office of Learning Resources, University of Kentucky
February 2011
Center for Technology in Learning

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

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

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

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

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

Who Needs Blended and Online Learning?
Athletes and Performers
Going the Distance, Elizabeth Millard, University Business, March 2011

March 11, 2011
Those Preparing for Exams and Needing Remediation,
Bill Gates, Salman Khan, NBC Special
http://www.msnbc.msn.com/id/21445499/ns=1018993#(/

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)
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)

Why should we be content?
Ten Years Later...

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

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: Shenkin Hill Univ, 2,000 students on iPad and freshmen a 13-inch MacBook laptop
   Feb 1, 2011: An Android Tablet Made Just for School, David Sax, Fast Company

4. Pocket Dictionaries and Digital Textbook Projects (Korea)
   July 6, 2011: Hanaa Hay, Ta 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
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. MET World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explore, Global Pulsar, Latin Pulse
11. Howcast, Big Think, WonderhowTo, Explo.TV, NASA TV, ClipChann, TV Lesson, BookTV, EduTopia videos, MonkeySee, doFlick, the Research Channel, Videosong

CNN Video and MSNBC
http://www.cnn.com/video/

Google Videos

TED:
Technology, Entertainment and Design

Fora TV
1. Online Video Anchoring

Online videos are used as an anchor or advance organizer of a class lecture.

2. Online Video Ender

Online videos are used after discussion and activities as a class “ender” or capstone event.
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.

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.

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.

6. Anchor Creators
Students create their own YouTube videos to illustrate course concepts.

#7. Social Networking Gaming
December 24, 2010: CityVille 16.8 million daily users, FarmVille 16.4 million. CityVille 61.7 million monthly users, FarmVille 56.8 million users. Mashable.

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

DID YOU KNOW?

shifthappens
#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, Amyah Garn

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

#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

#10. New Interfaces
February 18, 2011: Telekinesis 2.0, David Zax, Fast Company

#11. Mobile Apps, May 13, 2011:
USA Today, Mary Beth Marklein

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

Stanford U. Offers Free Online Course in Artificial Intelligence, Jie Jenny Zou, Chronicle of Higher Education (over 139,000 sign up as of August 27)
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), 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 citizens-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/chronicle/chronicle.cfm?article=273971

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 P. Young, January 2, 2011, Chronicle of HE

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

Clickers/Student Response Systems
Professors at the mobile-device summit at Abilene Christian stressed that more study needs to be done on whether these devices improve education and are worth the cost. Some research done at Abilene Christian on the clicker applications, 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

"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 to 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. (Anthropological Studies Museum's Many Bones Within Virtual Realities, Peter Monaghan, July 10, 2011, Chronicle of HE)

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," says Debra Sonnedeck, a senior at the U. of Maryland at College Park.

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Question:
What is the Web?

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

No, it is a learning tool!

Answer:
The Web of Learning

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We are entering a jumping off point...

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

Tinker #1. Video Scenario Learning Accounting
Interviews and Preparatory Course Review Modules
(Franklin University, cost and forensic accounting course)
http://www.youtube.com/watch?v=9FvBZVc8e34
http://www.youtube.com/watch?v=7ZlYvWjOOGM

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

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

Martin Luther King Jr. Memorial in Washington D.C.

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

Tinker #3. We the People (interactive timeline from the Constitution Center)
http://constitutioncenter.org/timeline/flash/cw.html
Tinker #3. Time Tracker (e.g., Indy Race Tracker, May 29, 2011)

Tinker #4. Video Animations and Simulations

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

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

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

Tinker #8. Track Life of a Scientist or Famous People (e.g., Brian J Ford, independent scientist)
https://www.youtube.com/user/brianfford
**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/](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 session was structured as a series of videoconferences and virtual classroom e-learning platforms, organized by the Regional Academy of Tropical Science TTSR, and moderated at the Brazilian National Science and Technology Park, which is closely involved in the specific field of research at various universities in the region of Latin America.)

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

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

Totter #6. Student YouTube Products
http://www.youtube.com/watch?v=xwjiS1y3zRQ
http://www.youtube.com/watch?v=3Fyl4FpE
http://www.youtube.com/watch?v=so192p35sv9
http://www.youtube.com/watch?v=03760809c29

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

Totter #8. Video Blogging

Totter #9. Podccasting Medical Lectures (School of Dentistry, University of Michigan)
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
(Neutilus Live allows people to watch expeditions live & listen to scientists in control rooms as discoveries are 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-project.org/ and http://lastocean-project.org/]

 Totally Extreme #6. South African teens get virtual mentoring from all over the world, By Danielle Berger, CNN, January 14, 2011

 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 Jam, 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=JZ092R4AY2a (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=6WprxGQeElg

**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?**
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, pref, & contacts.
- Technology—making tools available that prefer.

What is Expertise?

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