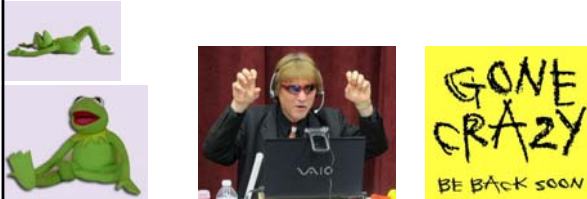
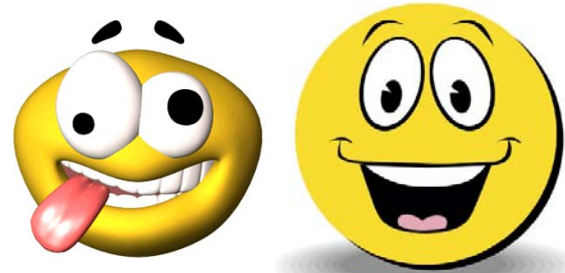


Stretching the Edges of Technology-Enhanced Teaching: From Tinkering to Tottering to Totally Extreme Learning

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



I'm Happy...Are you Happy?



New Technologies = New Delivery Methods...
CLO, September 2011



Learning Delivery

How Do You Deliver Learning?



Sydney Centre for Innovation in Learning

<http://www.scil.nsw.edu.au/>



Saltire Centre
 (Glasgow Caledonian University;
<http://www.gcu.ac.uk/thesaltirecentre/>)

Remaking the College Library, Bridget McCrea, 09/01/10, Campus Technology
 Virtual Tour of Bedford Library-UK
http://www.youtube.com/watch?v=klouRhl_VpA

7 Tips for Building Collaborative Learning Spaces, Campus Technology, Matt Villano, June 2010

FACILITIES

7 TIPS FOR BUILDING COLLABORATIVE LEARNING SPACES

Technology and design can work together to maximize the effectiveness of new learning environments. By Matt Villano

August 5, 2010
Remaking the College Campus, Bridget McCrea, Campus Technology
<http://campustechnology.com/Articles/2010/08/05/Remaking-the-College-Campus.aspx?Page=1>

CAMPUS TECHNOLOGY

Remaking the College Campus

Are e-learning centers obsolete in college campus of the future where physical space, technology, and collaborative blend.

Remaking the College Library, Bridget McCrea, 1/08/09, Campus Technology
 New Grand Valley State University Library, Michigan
<http://www.youtube.com/watch?v=SbuDPopJxq0>

Baker College of Muskegon, Michigan
http://www.mlive.com/news/muskegon/index.ssf/2011/12/baker_college_of_muskegon_aimi.html

Stanford Design School January 18, 2012



Home All News Faculty & Staff News For Journalists About Us

Stanford Report, January 18, 2012

It's all about the space at Stanford's design school

Stanford's design school space is the stage where students provides direction for design



ROBIN WANDER

For spaces within Stanford's popular design school, the creative as the furniture and fixtures as well as the walls, and every aspect of the space is a canvas.

has forwarded for Mike Spore, David Kroll, and the design school as well as the design school, writes, "Regardless of whether you're in the office of a billion-dollar company, or in a rooming to think of an environment for innovation and collaboration"

University of Minnesota Active Learning Classrooms (ALC)



Office of Classroom Management
Office of Undergraduate Education

Home » Planning and Projects » U of M Active Learning General Purposes

Active Learning Classroom (ALC)

Student-centered, interactive, integrated, flexible, active learning space




Watch how ALCs in STSS are utilized.

Video credits: produced by Robin Wright, created by Andy Underwood-Bullmann, et al.

Ohio State Library

<http://www.youtube.com/watch?v=ak7FEQixqBY>



IMU Student Technology Center – Collaborative Space




Union Street Center "Collaborative Café"



Audience Poll:

Has learning technology has ever transformed your life.



Change not possible as an accountant... (Life as a CPA, 1981-1986)



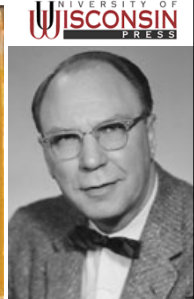
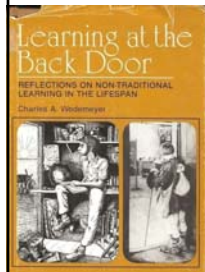
Property of Museum of History & Industry, Seattle



Decided to Read, Read, Read... (e.g., People like Albert Bandura, Howard Gardner, Roger Schank, Elliot Soloway, etc.)



Took Correspondence & TV Courses (thanks to Bob Clasen and Charles Wedemeyer, the University of Wisconsin)



Fast Forward 25 Years... "Anyone can now learn anything from anyone at any time."

SKILLSHARE LEARN TRACK

Learn anything from anyone, anywhere.



Join and Start learning and discover unique classes in your city

Learning is more social and collaborative



The Next 30 Years, USA Today, August 23, 2012

<http://www.usatoday.com/video/news/1839139560001>



Daphne Koller: What we're learning from online education, TED Talk, June 2012 (post August, 2012)

http://www.ted.com/talks/daphne_koller_what_we_re_learning_from_online_education.html

Online University For All Balances Big Goals, Expensive Realities, Claudio Sanchez, NPR, August 27, 2012

<http://www.npr.org/blogs/alltechconsidered/2012/08/27/160116814/online-university-for-all-balances-big-goals-expensive-realities>

Audio: <http://www.npr.org/player/v2/mediaPlayer.html?action=1&t=1&iframe=false&id=160116814&m=160139503>
 Students work at the University of the People student computer center in Haiti. Students from 129 countries are currently enrolled with the institution

Naylea Omayra Villanueva Sanchez says her location near the Amazon rain forest in Peru, combined with a disability, makes a traditional university education impossible.

How online courses will revolutionize college, Mary Beth Marklein, USA TODAY, September 12, 2012

<http://www.wtsp.com/news/article/273243/81/How-online-courses-will-revolutionize-college>

How online courses will revolutionize college



Jonathan Sabovic, 23, and his sister Kara, 18, go over a finance quiz last month. (Victoria Avonitz, USA TODAY)

Seven ways mobile phones have changed lives in Africa, CNN, Stephanie Busari, September 14, 2012

http://www.cnn.com/2012/09/13/world/africa/mobile-phones-change-africa/index.html?article_id=848



4 Massive Open Online Courses and How They Work, Ben Gose, October 1, 2012, Chronicle of HE

<http://chronicle.com/blogs/techtherapy/2012/10/03/episode-99-what-wearable-computers-could-mean-for-campuses/>



Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

4 Massive Open Online Courses and How They Work, Ben Gose, October 1, 2012, Chronicle of HE

<http://chronicle.com/blogs/techtherapy/2012/10/03/episode-99-what-wearable-computers-could-mean-for-campuses/>



Rajeev Bajpai, an airline pilot based in Mumbai, took an online computer-science course to gain programming skills.

October 15, 2012
Designing a New Learning Environment,
Stanford Online, Dr. Paul Kim
<http://venture-lab.org/education>



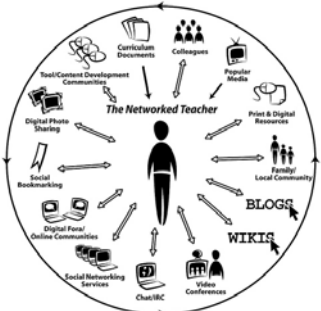

Stanford ONLINE
Designing A New Learning Environment
 INSTRUCTOR: Paul Kim
 Chief Technology Officer and Assistant Dean, School of Education, Stanford University
 Starting Fall 2012

The Course
 What constitutes learning in the 21st century? Should education be based on delivering content and getting students to memorize facts? Should reading, watching, and taking exams be part of all learning? Should there be more interactive, collaborative, and constructive learning activities integrating mobile and social networking tools of today? Should new training and learning activities be more fun and game-like?

Poll: Is this a revolution in education today?
A. Yes...
B. No...



The Web of Learning

**The World is Open...
It is very open!**



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

- W**eb Searching in the World of e-Books
- E**-Learning and Blended Learning
- =====
- A**vailability of Open Source and Free Software
- L**everaged Resources and OpenCourseWare
- L**earning Object Repositories and Portals
- =====
- L**earner Participation in Open Info Communities
- E**lectronic Collaboration and Interaction
- A**lternate Reality Learning (e.g., MMOG, 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!!!

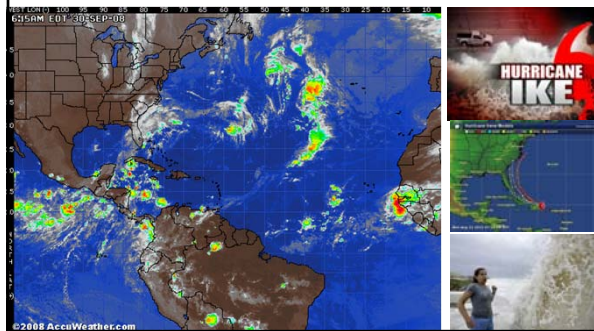
My dog is content....



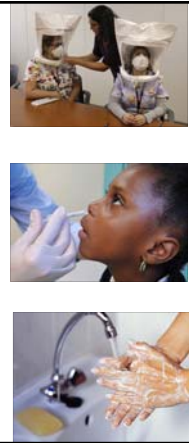
I am not Content!!!



**Who needs online and blended learning?
(Katrina, August 2005; Ike, Sept 2008; Irene,
August 2011; Isaac, August 2012)**



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



**Those in
blizzards and ice
storms...**



Shovelware



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

The screenshot shows the Wired magazine website layout. At the top, it says 'MAGAZINE' and 'Author Nicholas Carr: The Web Shatters Focus, Rewires Brains'. There are several images: a book cover for 'The Shallows' by Nicholas Carr, a target graphic, and a photo of Carr speaking at a podium. A quote from the article reads: 'WHAT THE INTERNET IS DOING TO OUR BRAINS THE SHALLOWS'.



The Crisis in Higher Education, Nicholas Carr, Technology Review, September 27, 2012
<http://www.technologyreview.com/featured-story/429376/the-crisis-in-higher-education/>

The illustration depicts a large, leafy tree in front of a brick building. Several people are climbing the tree, while others are sitting on the ground or on the building. The scene is set in a grassy area with a path leading to the building.

The Crisis in Higher Education, Nicholas Carr, Technology Review, September 27, 2012
<http://www.technologyreview.com/featured-story/429376/the-crisis-in-higher-education/>

The infographic consists of three parts:

- Undergraduate enrollment in the United States:** A bar chart showing enrollment from 1970 to 2010. The data points are: 1970 (7.6m), 1980 (10.5m), 1990 (12m), 2000 (13.3m), and 2010 (15.1m).
- Average cost of a year on campus:** A large number '\$27,435'.
- Percentage of people who say the value is fair or poor:** A pie chart showing 57%.

Data from Institute of Education Sciences and Pew Research Center.

September/October, 2012
The Siege of Academe, Washington Monthly, Kevin Carey,
http://www.washingtonmonthly.com/magazine/septemberoctober_2012/features/_the_three_o'clock_inferno_0635373.php?page=all

The screenshot shows the Washington Monthly website. The main article is 'The Siege of Academe' by Kevin Carey. There is an illustration of a castle under siege with soldiers on the walls. The website header includes 'Washington MONTHLY' and navigation links like 'The Magazine', 'Blog', 'College Guide', 'About Us', 'Archives', and 'Advertise'.

In defense of my stupidphone, CNN, Jessica Ravitz, October 6, 2012
http://www.cnn.com/2012/10/05/tech/our-mobile-society-stupidphone/index.html?hpt=ticker_sidebar

The screenshot shows the CNN website. The main article is 'In defense of my stupidphone' by Jessica Ravitz. There are two photos: one of a woman looking at her phone and one of a man in a 'LOUISVILLE MEDICINE' hoodie talking on a phone. The website header includes 'Our Mobile Society' and '800 texts in one week? Diaries of 3 smartphone addicts'.

September 21, 2012
As Online Courses Grow, Sites Offering Unauthorized Academic Help Get More Brazen, Chronicle of Higher Education, Alisha Azevedo

As Online Courses Grow, Sites Offering Unauthorized Academic Help Get More Brazen
 September 21, 2012, 11:02 am
 By Alisha Azevedo

The image shows two screenshots of websites. The left one is 'WE TAKE YOUR CLASS' with a call number (917) 300-9820 and a headline 'WE TAKE YOUR ONLINE COLLEGE CLASSES FOR YOU AND GET YOU AN "A"'. The right one is 'UNEMPLOYED PROFESSORS.COM' with the tagline 'The more you study, the more we make your papers get caught!' and a 'WE WORKS SERVICES FAQ BLOG LOGIN' menu.

How can technology address diverse learner needs?

The image is a collage. On the left, a woman in a headset works at a computer. In the center, a person holds a glowing blue sword. On the right, there are several small portraits of people, including a man with long hair and a woman.

**Framework #2:
The R2D2 Method**

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

The image includes a book cover for 'Empowering Online Learning: 100+ Activities for Reading, Reflecting, Displaying & Doing' by Chris J. Brook & Ki Zhang. To the right is a circular diagram with four quadrants: Reading (Auditory & Verbal Learners), Reflecting (Reflective Learners), Displaying (Visual Learners), and Doing (Tactile, Kinesthetic, Exploratory Learners). A small image of the robot R2-D2 is also present.

1. Auditory or Verbal Learners

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

The image features the same circular R2D2 diagram as in the previous slide. To the right are two images: a young boy looking at a man in a brown hood (likely from Star Wars).


Read 1a. Learning Planet: Interactive Glossary
 Umida Khikmatillaeva, Dec. 2011, P540
<http://learningplanet.shutterfly.com/>

The image is a screenshot of the 'Learning Planet' website. It features a navigation menu with 'Home', 'Glossary', 'Videos', and 'Theorists'. A 'Featured Video' section is visible, along with a 'Learning Theorists' section listing 'Classical Conditioning - Ivan Pavlov' and 'Piaget & Vygotsky'.

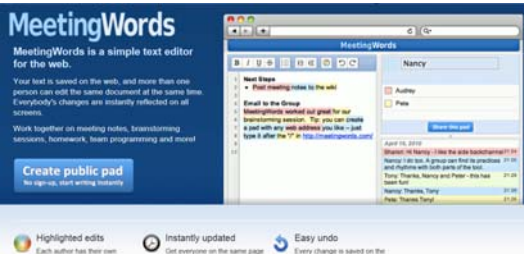
Reflect 2a. Discuss Videos
 (e.g., Grockit Answers and Vialogues;
<https://vialogues.com/>)

The image is a screenshot of a 'vialogues.com' page. The title is 'Edutopia Chairman and George Lucas Discuss Teaching Visual Literacy'. It shows a video player and a comment section with several user comments and replies.

Display 3a. Segment Video Anchors
 (e.g., TubeChop of V-PORTAL: Video Primers
 in an Online Repository of e-Teaching and
 Learning; "Wikibooks Hooray for Us")
<http://www.tubechop.com/watch/378752>



Do 4a. Negotiate Meanings Online
 (e.g.m MeetingWords: <http://meetingwords.com/>)
 MeetingWords is a simple text editor for the web.
 Your text is saved on the web, and more than one person can edit the same document at the same time. Everybody's changes are instantly reflected on all screens.
 Work together on meeting notes, brainstorming sessions, homework, team programming and more!



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




April 15, 2012
Can Colleges Manufacture Motivation?,
Dab Berrett, Chronicle of Higher Ed
<http://chronicle.com/article/Can-Colleges-Manufacture/131564/>

April 15, 2012
Can Colleges Manufacture Motivation?
 By Dan Berrett
 Vancouver, British Columbia



Ok, Million Dollar Question:
How do you motivate online learners?
What Words come to mind?
 (Please enter in chat window)



**Framework #3: TEC-VARIETY for
 Online Motivation and Retention**

1. **Tone/Climate:** Psych Safety, Comfort, Belonging
2. **Encouragement, Feedback:** Responsive, Supports
3. **Curiosity:** Surprise, Intrigue, Unknowns
- ...
4. **Variety:** Novelty, Fun, Fantasy
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
B. Mood Walls

Yun Yun Chow, Open U Malaysia, Making Art Lessons Come Alive with Web 2.0
<http://www.youtube.com/watch?v=B09rqJD1GXo>
http://www.youtube.com/moodwall_testtube



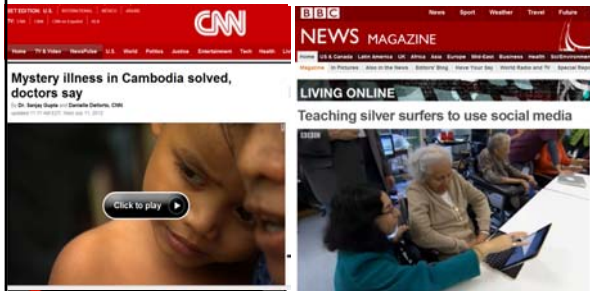
2. Encouragement, Feedback, etc.:
A. Create Screencasts Website Polling
B. GrammarCheck.net

(e.g., Poll Everywhere, BlogPolls, BlogPoll, MicroPoll)
<http://www.poll everywhere.com/>



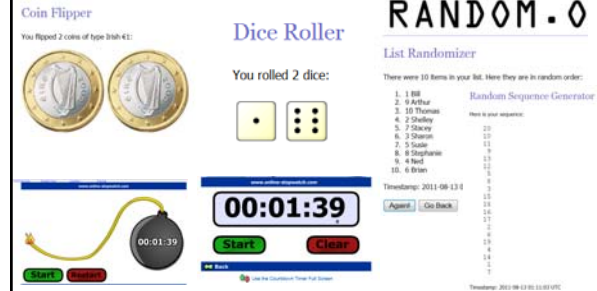
3. Curiosity, Intrigue:
A. Online News

(CNN, July 8, 2012, BBC, June 26, 2012)



4. Variety, Novelty, Fun:

A. Random Lists (Random.org—clocks, coins, playing cards, dice, integers, passwords, jazz scales, lists, sequences, etc.)



5. Autonomy, Choice:
A. Web Exploration Assignments

1. Complete Works of Charles Darwin Online: <http://darwin-online.org.uk/>
2. The Complete Works of William Shakespeare: <http://shakespeare.mit.edu/>
3. Edgar Allan Poe Society of Baltimore: <http://www.eapoe.org/>
4. Einstein Archives Online: <http://www.alberteinstein.info/>
5. Federal Resources for Educational Excellent project: <http://free.ed.gov/>
6. Global Text Project: <http://globaltext.org/>
7. iBerry (Open Courseware Directory): <http://iberry.com/>
8. Jane Austen: <http://www.janeausten.org/>
9. The Jane Goodall Institute: <http://www.jane goodall.org/>
10. Timeless Hemingway: <http://www.timelesshemingway.com/>

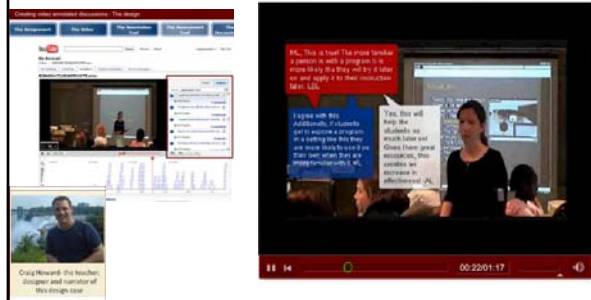


6. Relevance, Meaningfulness:

A. Online Cases (e.g., Mark Braun, IU)



7. Interactive, Collaborative:
A. Collaborative Video Annotations and Discussions (Craig Howard, IU)
<http://scholarworks.iu.edu/journals/index.php/ijdl/article/view/853/912>



8. Engagement, Effort:
A. CNN (2011). Map: Impact of Japan tsunami and earthquake. CNN.
<http://www.cnn.com/SPECIALS/2011/japan.quake/map/>
 also: Visualizing Emancipation



9. Tension, Challenge, etc.:
A. Game Show Final Project, April 25, 2011, Kim Seeber
 Website: <http://mypage.iu.edu/~kseeber/web2.0technology.swf>



10. Yields Products, Goals:
A. Student YouTube Products

Miguel Lara (Web 2.0 FREEDOM): <http://www.youtube.com/watch?v=8cmCFW9Iw8>
 Shuya Xu and Yue Ma (Blog my online Irng): <http://www.youtube.com/watch?v=lm7GQM9rzhc>
 Cesar Dagli (Animal perspectives on course): <http://www.youtube.com/watch?v=c0rTE1dG0ic>



10. Yields Products, Goals:
B. I Done This, Milestone Planner, 43 Things



Time for Commitments:
 Which principle(s) of TEC-VARIETY will you use?

Tone/Climate
Encouragement, Feedback
Curiosity

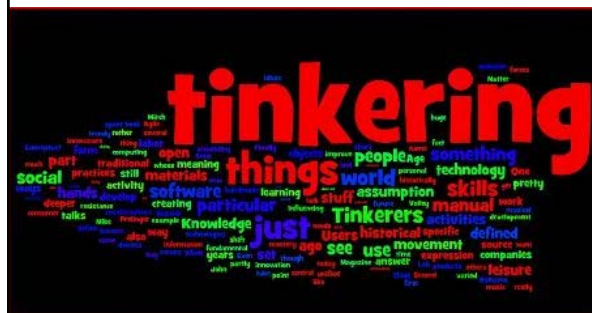
Variety
Autonomy
Relevance
Interactive
Engagement
Tension
Yields Products



From Tinkering to Tottering to Totally Extreme Learning...



Tinkering



Tinker #1. Online Art

Google Art Project,
NBC Nightly News, April 3, 2012

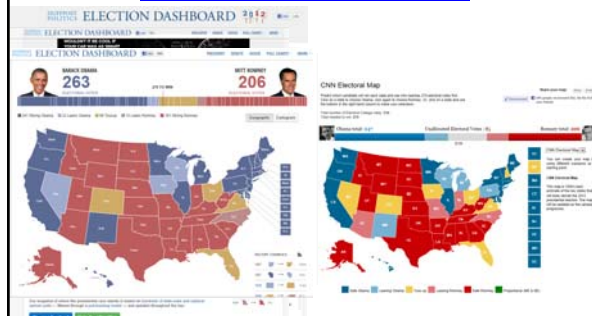
<http://www.msnbc.msn.com/id/3032619/vp/46945508#46945508>



Tinker #2. Predict outcomes (June 26, 2012)

(e.g., Interactive Political Maps: Huffington Post)

<http://elections.huffingtonpost.com/2012/romney-vs-obama-electoral-map/cartoon>



Tinkering #3.

Tracking the Life of a Scientist
(e.g., Brian J. Ford, independent scientist)

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

<http://www.labnews.co.uk/news/prehistoric-revolution/>

<http://www.youtube.com/embed/kjmNnRFHCzk?rel=0>



Tinker #4.

Using Online Encyclopedias
(e.g., the Encyclopedia of Earth:

<http://www.eoearth.org/>)

http://en.wikipedia.org/wiki/Encyclopedia_of_Earth



Tinker #5.
Educational Videos: TED-Ed
<http://education.ted.com/>

The image shows a collage related to TED-Ed. On the left is the TED-Ed logo with the tagline 'LESSONS WORTH SHARING'. Below it is a photo of a man on a stage with a TED sign. On the right, there are two video player thumbnails: one for 'mid•den' and another showing two people in a classroom setting.

Tinker #6. Interactive Event Timeline
Arab spring: an interactive timeline of Middle East protests,
 The Guardian, Garry Blight & Sheila Pulham, July 12, 2011
<http://www.guardian.co.uk/world/interactive/2011/mar/22/middle-east-protest-interactive-timeline>

The image displays two screenshots. The left one shows a news article interface with portraits of political figures. The right one is a detailed interactive timeline for the year 2011, showing a series of events marked with colorful icons along a path that recedes into the distance.

Tottering

A simple illustration of two cartoonish figures sitting on a red seesaw. One figure is in the air, having just jumped or fallen, while the other is on the ground. The background is a plain light blue.

Totter #1.
Wikibooks, Wiki-Glossaries, Wiki-Syllabi
 (Ron Owston, York University, Toronto)

Web 2.0 and Emerging Learning Technologies
 From Wikibooks, the open-content textbooks collection

The image is a collage. On the left, there's a 'Web 2.0' graphic with icons for video, RSS, email, and social media. In the center is the Wikibooks logo. On the right is a photograph of Ron Owston, a man in a blue shirt holding a book.

Totter #2.
Georgetown Learning Initiatives
Soliya Connect
<http://ali.georgetown.edu/#soliya>

The image shows a screenshot of the Soliya Connect website. It features a navigation menu on the left with items like 'LEARNING INITIATIVES', 'TEACHING THE WORLD PERSON', 'PARTICIPATORY LEARNING', 'STUDENTS AS AUTHORS', 'DIGITAL LEARNING', and 'INVENTIVE CURRICULUM'. The main content area shows a video player with a 'soliya' logo and a photo of two students.


Totter #3. Combining Asynchronous and Synchronous Events (flipping classes)

TED Ideas worth spreading

TALKS
 Salman Khan: Let's use video to reinvent education

The image shows a TED talk video player for Salman Khan's talk 'Let's use video to reinvent education'. To the right, there is a screenshot of a video conference window showing a man in a blue shirt and two women in a meeting.

Totter #4. Uploading Mobile Books (e.g., BookRix, <http://www.bookrix.com/>)



Mobile Devices & Learning
How mobile devices are re-shaping the field of education

Totter #5. Lessons on iPad (e.g., ShowMe: <http://www.showme.com/>)

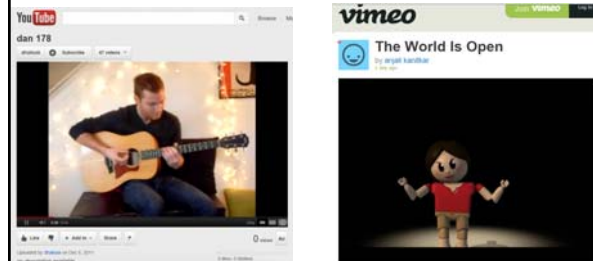


Totter #6. Student Collaborative Knowledge Building and Sharing (e.g., Popplet: <http://popplet.com/>)



Totter #7. Student Films and Documentaries

<http://vimeo.com/33090590/> (Verily)
<http://vimeo.com/33173125/> (Anjali)
<http://www.youtube.com/watch?v=IOZHvuZ3rbw&feature=youtu.be> (Yue)

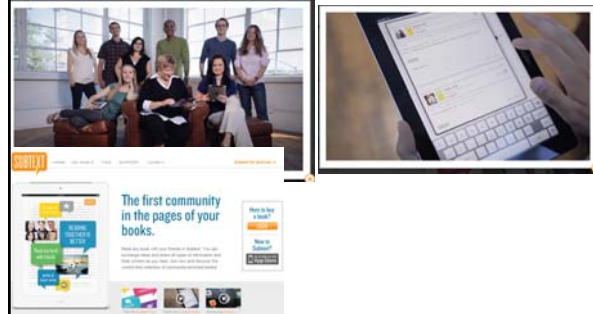


Totter 8. Global Class Videoconferencing and Remote Lands (e.g., Global Nomads Group, Int'l Studies in Schools (i.e., ISIS); RoundSquare (<http://www.roundsquare.org/>) and Taking it Global (<http://www.tigweb.org/>))




Welcome to International Studies for Indiana Schools

Totter #9. Social Books (e.g., Subtext)



The first community in the pages of your books.

We are entering a jumping off point...



You Want Totally Extreme?
 Apple's new 'spaceship' campus: What will the neighbors say?, Doug Gross, CNN, May 22, 2012
http://www.cnn.com/2012/05/22/tech/innovation/new-apple-campus/index.html?hpt=hp_tech_11



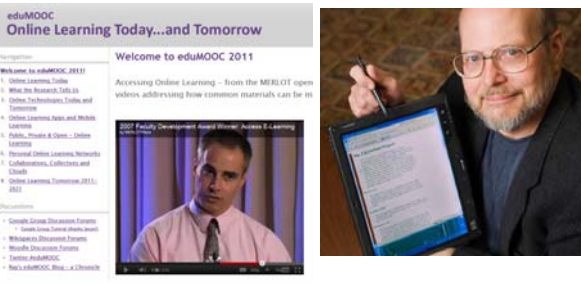
October 5, 2012
 First woman to cross Antarctic solo: I've never felt so alone, Ivana Kottasova, CNN,
http://www.cnn.com/2012/10/05/travel/felicity-aston-antarctic-explore/index.html?hpt=hp_c1



Totally Extreme #1.
 Blogging Field Archeology Research
 (e.g., Lily Henry Roberts, UCLA digging in Hope, BC, Stó:lō First Nation people from 12,000 years ago)



Totally Extreme #2. Open Teaching and Massive Open Online Courses (i.e., MOOC, David Wiley, George Siemens, Ray Schroeder)



Totally Extreme #3. June 27, 2012
 Google Glass
 ABC News, Google I/O Conference: Project Glass Prototype For Sale
<http://abcnews.go.com/Technology/google-glass-prototype-for-sale-photos-photos/story?id=1665176>

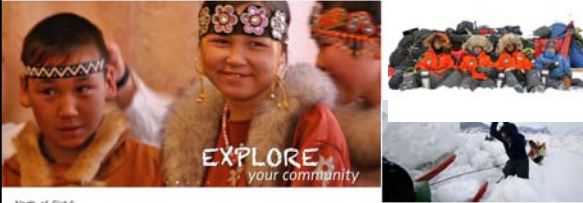


Totally Extreme #4. June 27, 2012
Remote Animal Streaming
 Remote Maine puffin colony up close on HD web cam
 Clarke Canfield, The Statesman, June 27, 2012
<http://www.statesman.com/business/technology/remote-maine-puffin-colony-up-close-on-hd-2405257.html>



This still frame from streaming online video, provided by explore.org, the Annenberg Foundation and the National Audubon Society, shows puffins on the shore of Seal Island, Maine, Wednesday, June 27, 2012. The island is the habitat for the largest puffin colony in the U.S.

Totally Extreme #5. Adventure Learning about the Environment
 (e.g., North of 60, GeoThentic, Eartheducation, see Aaron Doering, Chasing Seals; <http://chasingseals.com/>)




North of Sixty
 The story is a growing list of how best bridges between people from vastly different cultures, between scientists and the public, between classrooms and governments.
 The mission of North of Sixty is to create a global tapestry of student stories, weaving together the history and culture of Arctic communities worldwide and promoting the science and ecological knowledge of generations. Our goal is to collaborate with educators in Arctic regions with 300+ schools, sending students in the exploration and documentation of their stories together, we will

Michael Perham
 (Sept 17, 2012)
<http://www.mikeperham.tv/>

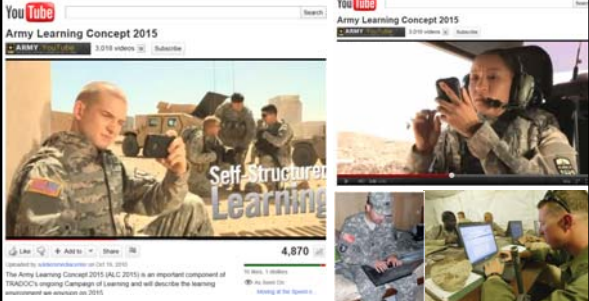


MIKE PERHAM
 World Outfitter
 Next Adventure?
 DRIVING SOLO AROUND THE WORLD
 HELLO SINGAPORE?
 SHOUTER BOX

Totally Extreme #6.
iPod Learning from MIT OCW
 (e.g., Wendy Ermold, University of Washington)



Totally Extreme #7.
MBAs from War Zones...!



Army Learning Concept 2015
 5,018 views
 Self-Structure Learning
 4,870

Totally Extreme #8.
Kids Learn Online, Teach Online
 (e.g., the World's Youngest Teacher; Adora Svitak)



TED ideas worth spreading
 Adora Svitak: What adults can learn from kids
 10:00min | Posted Feb 2010 | Posted Feb 2010

Totally Extreme #9. 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

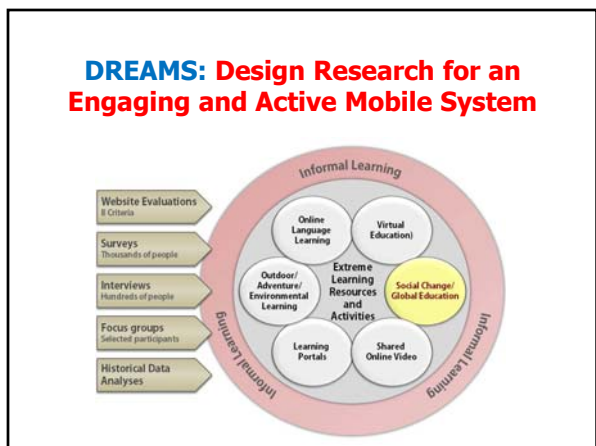
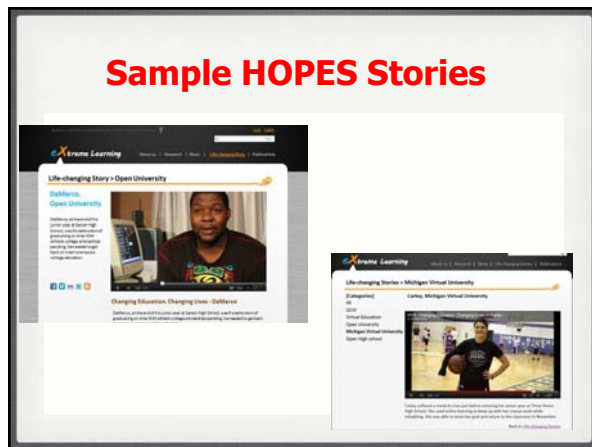
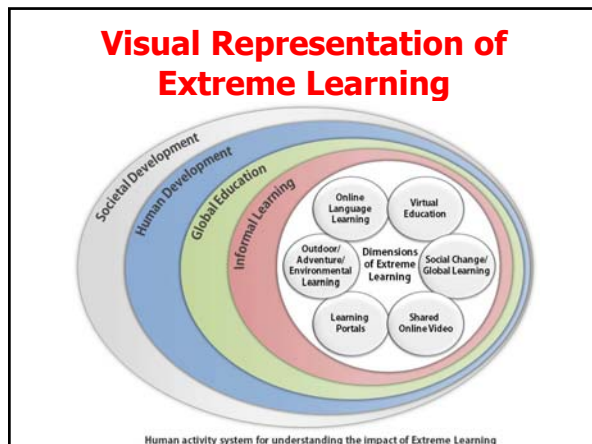
Totally Extreme #10. Online Language Learning and Conversations
 (e.g., PalTalk, iTalki, OpenLanguage, Babbel)

Totally Extreme #11. Virtual Mentoring
 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 #12. Pocket School in Developing World (Paul Kim, Stanford and Seeds for Empowerment in Rwanda, India, Mexico, Tanzania, etc.)

February 2012
SMILE: Stanford Mobile Inquiry-based Learning Environment

February 2012
Seeds for Empowerment, Tanzania
Getting Juice for Technology (generator)





What are your Extreme Learning HOPES and DREAMS?
Website: www.Extreme-Learning.com
Slides at: TrainingShare.com
Book: <http://worldisopen.com/>
Dr. Curt Bonk – CJBonk@Indiana.edu

A screenshot of the Extreme Learning website. The header features the logo "eXtreme Learning" and navigation links for "About us", "Research", "News", and "Life-changing story". The main content area includes a section titled "Extreme Learning" with a sub-heading "anyone" and "anytime". The text describes extreme learning as informal and non-traditional learning that empowers people to learn or teach with technology in virtual or complex environments. It also mentions that extreme learning can involve blogging, writing, creating, sharing, or reading the blogs of other people or subscribing to...