September 2010
Meta-Analysis Update: Blended and Fully Online Still Best!

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

February 2011
"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos), October 2010
http://www.youtube.com/user/TravelinEdMan

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

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 Furumoto, Fast Company

iPad 2, March 2, 2011: Steve Jobs' surprise appearance a 'big deal', CNN Tec, Mark Milian, March 2, 2011
April 12, 2011
NCTM Conference Session, Free
Online Degrees; ISMART: Integration of
Science, Mathematics, and Reflective Teaching
(ISMART), University of Houston

Jen Chauvet 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

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

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

August 11, 2011
Unleashing the Potential of Technology in
Education, The Boston Consulting Group, Allison
Bailey, Tyce Henry, Lane McBride, & J. Puckett
What is the reaction?

The Potential Result...

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/oa/normal/18572.html

Welcome!

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

September 12th, 2011
Indiana University tries to drive down textbook costs with eBooks
Online textbooks initiative comes as student activists claim for more affordable options nationwide, eCampus News, Danny Carter
http://www.indianauniversity.edu/today/news/eCampusNews/technology.html

Adapting to the iPad, called education's 'equalizer', USA Today, Alesha Williams Boyd,

September 12th, 2011
Adapting to the iPad, called education's 'equalizer'
**August 26, 2011**
Collaborative Learning for the Digital Age, Cathy Davidson, Chronicle of HE,
https://chronicle.com/article/Collaborative-Learning-for-the-Digital-Age/Cathy-Davidson-
Chronicle-of-HE/

Collaborative Learning for the Digital Age
By Cathy M. Davidson

"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?**

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

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

**March 11, 2011**
Those Preparing for Exams and Needing Remediation, Bill Gates, Salomon Khan, NBC Special
https://www.nbcnews.com/id/23380938/Butterfly-30900011
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...

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

1. Inexpensive Laptops and Netbooks

#2. Online Language Learning
January 27, 2010 and Feb 5, 2011: 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 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: Haeun Hag. In South Korea, all textbooks will be e-books by 2015, spoofing past the US, South Korea will be digitizing reading material in all public schools by 2013. Christian Science Monitor.

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

Facebook introduces video calling, Eric Stoller, July 6, 2011, Inside Higher Ed

#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 15.4 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 Gabara

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, Sara Ferguson, USA Today.

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

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

#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))
https://www.microsofttranslator.com/default.aspx

Oppgitt over Kina

#14. Online Portals and Open Educational Resources (OER) February 8, 2011
Google Art Project, Chronicle of HE (now 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 Zoarchaeology 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 Menaghan, July 10, 2011, Chronicle of HE http://vzap.is.bcm.edu/ViewPage.aspx?id=329

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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

We are entering a jumping off point...

Elements of the Web's Next Generation

Is the World Flat?

Is the World Curved?

The World Is Flat

The World Is Flat, Broke

Thomas L. Friedman

THE WORLD IS CURVED

David M. Smick

Is it spiky?

Or is it Open?
Framework #1: 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 (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)

It is very open!
(May 2011, Norway & June 2011 the Philippines)

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.

**Framework #2: TEC-VARIETY 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

**Framework #3: The R2D2 Method**

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

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

**1. Auditory or Verbal Learners**

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

Tinker #1. Video Scenario Learning Accounting Interviews and Preparatory Course Review Modules
(Franklin University, cost and forensic accounting course)
https://www.youtube.com/watch?v=KXJ25jxhEa0
https://www.youtube.com/watch?v=Jm6Lz2J2Ghs

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

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

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

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

Tinker #4. Video Animations and Simulations
Tinker #5. Collaborative Groups
(Google Docs, Ning, Google Groups, MSN Groups, Yahoo Groups)

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

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

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

Tinker #9. Track Life of a Scientist or Famous People (e.g., Brian J Ford, independent scientist)

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. On-Demand Webcasts in Virtual Classroom Settings
(Grant Thornton, August 2010, CLO Magazine)

Tinker #12. Business Podcasting

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

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 virtual world of science as a series of videoconferencing and virtual classes on e-Learning, platform, organized by the Mayor of the Health and Veterinary Corps of Bishan Army, under the TIQ, Western part of the Task Force South of the Regional Command West, which is strongly involved in the special field in favor of population of the villages in the province of Tirana.)
**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)

**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)

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

Totter #11. Simulation Games

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

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

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

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

Totally Extreme #3. Armchair Archeology
UCLA Summer Digs Program

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

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

Totally Extreme #6. South African teens get
virtual mentoring from all over the world, By
Danielle Berger, CNN, January 14, 2011
**Totally Extreme #7.** Open Teaching and Massive Open Online Courses (i.e., MOOC, David Wiley, George Siemens, Ray Schroeder)

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

**Totally Extreme #9.** 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).

[Link](http://www.youtube.com/watch?v=H09UL079-5c) (4:26 minutes)

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

**Totally Extreme #12.** Learn Anytime, Always On/Mobile. Will Technology Kill the Academic Calendar? Online, seminars give way to students who set their own schedule, Marc Perry, 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.
 totalement extreme #13. pocket school and videoconferencing in developing world

(is this a revolution?)

who is content now?


contentment