The Fiat World Swung Open:
Now WE-ALL-LEARN with Web Technology

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The Ten Forces that Flattened the World

Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.
1. 11/9/89: Berlin Wall came down
2. 8/9/95: Netscape went public
3. Work Flow Software (e.g., PayPal and eBay)
4. Open-Source (i.e., Linux, Mozilla)
5. Outsourcing (T2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chain (e.g., Walmart)
8. Insourcing (UPS fixing Toshiba laptops)
9. In-forming (e.g., Google, Yahoo, MSN Web Search)
10. The Steroids: Digital, Mobile, Personal, and Virtual (wireless, file sharing, VoIP, video camera in phone)

Oregon Scientific Smartglobe

UCLA Summer Digs Program
Dig in, archaeology fans! UCLA blogs to offer front-row seat at archaeology digs, Meg Sullivan, 6/25/2008

Michael Perham & Zac Sunderland, Summer 2009
(each age 17; youngest person to sail solo around the world...and blog on it, use Skype, YouTube, take videos, post pictures)
David Thomas, Archeologist, La Trobe University, Australia (Discovery News)

Grandpa George (Goronja)
(West Allis, Wisconsin, built tractors 40+ years)

Charles Wedemeyer
Learning at the Back Door (1981)
Nontraditional Learning

Poll #1: If you had to pick your favorite way to learn, what would it be like?
- Face-to-face (FTF)
- Fully online
- Blended (combining online and FTF)
- Television, correspondence, or radio
- Self-study and self-service

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 Gamings, Simulations, and Virtual Worlds; e.g., Second Life)
- Real-Time Mobility and Portability (e.g., iPhone)
- Networks of Personalized Learning (Blogs, RSS)

Audience Participation!
1. WE
2. ALL
3. LEARN!!!
Triple Learning Technology
Convergence of “WE-ALL-LEARN”

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.

Norm Kamikow
Editor in Chief, CLO, April 2009, page 4

- Recently, I read a startling statistic: More than 53 trillion digital pages will exist online by 2010.
- I found this metaphor, based on commonly accepted measures of time, explaining order of magnitude between a million, a billion and a trillion. A million seconds was 12 days ago. A billion seconds ago, it was roughly May 1977, a span of 32 years. A trillion seconds ago, the Stone Age started.

Opener #1. Web Searching (e.g., Google, MSN, Yahoo!) in the World of e-Books (i.e., Darwin, Shakespeare, etc.)

Trend #1. Web Searching in the World of e-Books. What happens then?

WE
ALL
LEARN!!!

This Could Be the Year of e-Textbooks
Many titles are available, but students are wary.
Jeffrey Young, September 7, 2009

Sign of the times: At the San Diego State U. bookstore, a poster exhorts students to “Buy This Textbook as an eTextbook.”
E-books: 4 choices (Paperback, Kindle, iPhone, or iPod listening)

Reading Dickens Four Ways

Free Online Books
(Terry Anderson and Fathi Eloumi, eds. *Theory and Practice of Online Learning*; Canada: Athabasca University, 2004),
http://ode.athabasca.ca/online_books/, 50,000 downloads in first year

Global Text Project (free textbooks for those in less developed countries)
http://globaltext.org/

Read, Listen, etc. to online books (e.g., "An International Episode" by Henry James)

Opener #2. E-Learning and Blended Learning
Trend #2. E-Learning and Blended Learning. What happens then?

WE ALL LEARN!!!

Poll #2: Where will e-learning grow the most during the coming decade?
- Preschool and elementary school
- Middle and high school
- Community college level
- 4 year colleges and universities
- Corporate, government, and military training
- Informal adult learning
- Other

Capella Tower
225 South Sixth Street, Minneapolis
Formerly, the "Halo"

Indiana University High School
(4,000 students and 1,400 enrolled in diploma programs)

Adora Svitak, age 11, World’s Youngest Teacher
Free and Open Courses
(Tom Reeves Evaluation Course at Georgia; David Wiley's Web 2.0
courses at BYU; Connectivism from George Siemens and Stephen
Downes, 24 enrolled, 2,000+ sitting in)

A Grain of Rice: A Bloomington man’s
computer vocab game feeding the world
Herald Times, Wednesday
February 6, 2006, Mike Leonard

Opener #3. Availability of
Open Source and Free
Software (e.g., Linux, Apache,
Moodle, Sakai)

Trend #3. Availability of Open
Source and Free Software.
What happens then?

WE
ALL
LEARN!!!

Poll #3: What course management
system are you using?
1. Angel
2. Blackboard
3. Desire2Learn
4. eCollege
5. Moodle
6. Sakai
7. WebCT
8. Other
9. None

Moodle (620,000 registered users in 204
countries speaking 78 languages, 2/10/2009)
Opener #4. Leveraged Resources and OpenCourseWare (OCW) (e.g., free courses from MIT, Utah State, CORE, OOPS)

Open Educational Resources (OER)
Post Courses in YouTube and iTunes (e.g., Berkeley)

OpenCourseWare (OCW)
Cute Kitten or Transformation? (per George Siemens)

Wendy Ermold, University of Washington, scientific programmer and field technician for the Polar Science Center since 1998; with Mike Stedle in the study of Arctic Circulation, and the mechanisms controlling it.

MIT OCW: Highlights for High School and BLOSSOMS Project

Opensource OpenCourseware Prototype System (OOPS) funded by Lucifer Chu, Chairman and Janitor of OOPS, Taipei)
Sample OpenCourseWare Projects
(Tufts, Johns Hopkins)

Indian Institutes of Technology (IIT)

National Repository for Online Courses (NROC) Commons

Academic Earth
http://academicearth.org/
Thousands of video lectures from the world's top scholars.

Cape Town Open Education Declaration, Dec 2007
http://www.capetowndeclaration.org/

Peer2Peer University and University of the People (free!)
Neera Paharia is behind Peer2Peer University, Fast Company, September 2005, How Web-Savvy Edupunks Are Transforming American Higher Education
Opener #5. Online Learning Object Repositories and Portals (shared content)

From left, three views of a fragment of one of the Dead Sea Scrolls: a plain digital image, a color scan and an infrared scan.


Ida (a transitional species)
47-Million-Year-Old Darwinius Masillae Fossil the Missing Link? (wowOwow, May 20, 2009)

The Complete Works of Charles Darwin and Shakespeare

The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys

Referatory: MERLOT.org
(74,500 members, 21,300 learning materials, October 6, 2009)
Connexions Growth
January 2009
>8,000 modules (3-5 pages)
>425 collections (books and courses)
multiple languages
engineering, computer science,
nanotech, physics, statistics, math,
history, music, bio-diversity, botany,
bio-info, IP, BRIT, UNESCO, UN, Sigma Xi,...
from authors worldwide

Usage Stats
45 million hits
2m page views
1m unique users
from 200 countries

Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)

Conference to Conference
(You Ustreamed my Ustream: Now that's a Twitter of an Idea)

Wikis: Wikipedia and Wikibooks

Poll #4: Which of the following resources from the Wikimedia Foundation have you used (check all that apply)
1. Wikibooks
2. Wikicommons
3. Wikinews
5. Wikiquote
6. Wikisource
7. Wikispecies
8. Wikiversity
9. Wiktionary

Shared Online Video
(e.g., YouTube and the Royal Channel)
Individual Produced Videos
(e.g., African School Dream in Current TV)
http://current.com/items/77146082_african_school_dream

TV Lesson (How-to lessons from experts: 1,000's of instructional videos and articles; http://www.tvlesson.com/)

Link TV and Fora TV

Poll #5: Which shared online video resources have you used or seen used in teaching? (check all that apply)
1. BBC News Video and Audio
2. CNN.com Video
3. Current TV
4. Fora TV
5. Google Video
6. Link TV
7. MIT World
8. MSNBC.com
9. NASA TV
10. TeacherTube
11. YouTube
12. YouTube Edu

dotSUB (subtitling video)

Brand New E-Book and Print book,
Opening Up Education
New Edited Book from MIT (free PDF, sample chapters, and hardcopy)
http://ocw.mit.edu/catalog/item/index.jsp?id=1.033&node=loc
Participatory E-Books

LibraryThing:
The World's Largest Online Book Club
(you can be a "thingamabrarian")
850,000 users and 35 million books on member
bookshelves)

Openner #7. Electronic
Collaboration and Interaction
(synchronous & asynchronous)

Flat Classroom Projects!!! (combine blogs,
videoconferencing, chat, async discussion, etc.)

Synchronous Conferencing
Presentations
Iran after the June Election

Voxopop (audio threaded conversations)
http://www.voxopop.com/

TutorVista has 600 tutors in India and 10,000 subscribers in the United States, including Kenneth Tham in Arcadia, Calif.

EPals and iEARN (International Education and Resource Network)

Ice Stories Project from Antarctica

1kg More Project for Rural China
(http://www.1kg.org/)
Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

Second Life (business, law, education, English, medicine)

Opener #9. Real-Time Mobility and Portability (e.g., iPhone, low cost wireless devices)

Terabyte thumb Drives and Magic Pens! (The Pulse from Livescribe, $125-$169)

Poll #6: Would you buy a Pulse pen?

1. Yes
2. Maybe
3. No, too expensive
4. No, too technical
5. No, waiting for advancements in the technology
6. No, no need
7. Not interested

Mobile Learning in India with Paul Kim
http://www.stanford.edu/~paulkim/curr/India.pdf
Mobile Learning
(April 21, 2009, USA Today)

Pull yourself away from that iPhone and read this story
By Mary Birdseye Menos, USA Today, October 5, 2009

- 50 million iPhone users and 85,000 applications.

Pull yourself away from that iPhone and read this story

Africa is Going Mobile!
40,000 new mobile subscribers a week in Rwanda; Rwanda Newsmeans report, January 2009
Africa is the continent with the fastest growth, where penetration has soared from just one in 50 people at the turn of the century to 28%. International Telecommunications Union (ITU), March 2009
India: In 2008, 7M new mobile subscribers a month. In January, 2009, the number sky rocketed to 15.4M (Growth was driven by people in the poorest region)
Globally: 60,000 new mobile subscriptions every hour!!!

(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://www.palme.net/c/id/21909052009/jl.html# blessingforbottlwater

One Laptop Per Child foundation (OLPC)
(How about a $12 laptop?)

Opener #10. Networks of Personalized Learning
(Blogs, Podcasts, MySpace, Flickr, and RSS)

September 30, 2009
the Samsung DualView TL22S

Facebook: The New Classroom Commons?, Chronicle of HE, Harriet L. Schwartz, Sept. 28, 2009

"Flocking" behavior bands on social networking sites
USA Today: September 28, 2009, Sharon Jayson

Growth of social networking sites
(http://www.facebook.com/chronicle)
Create a Social Networking Group
(Myspace, Facebook, LinkedIn)

Podcast Shows TWIT
(This Week in Tech)
http://live.twit.tv/

Live Happy Practitioner Directory
http://www.signalpatterns.com/practitioner

Zoo Animals on Demand
USA Today, September 8, 2009
Littlest patients find distraction, comfort in live feeds from zoos

Learning Towns are Popping up!

ChinesePod, ItalianPod, SpanishPod,
FrenchPod, and EnglishPod
Poll #7: If you had one language to learn online which would it be?
1. Arabic
2. Chinese
3. English
4. French
5. German
6. Hindi
7. Japanese
8. Korean
9. Russian
10. Spanish
11. Italian
12. Other

Predictions
1. Five Billion "Have-Nots" Have at It!
2. Emergence of Lifelong Super E-Mentors/Coaches
3. Quarter-Century Learning Clubs
4. Terabyte Learning Access Points
5. The Veneration of Learning
6. Personalization=Portfolios
7. The Selection of Global Learning Partners
8. The Shared Learning Era
9. Teaching-Learning Perpetuities
10. Teachers, Teachers
11. The Rise of the Super Blends
12. Self-Determined Humans
13. Free Learning Zones
14. Authentic Learning Analogumations
15. Alexandrian Aristotles

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
The World is Open.
What happens then?
WE ALL LEARN!!!