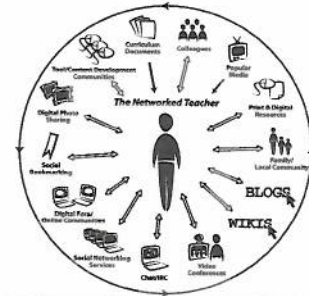


Let's rename the Web: The Web of Learning



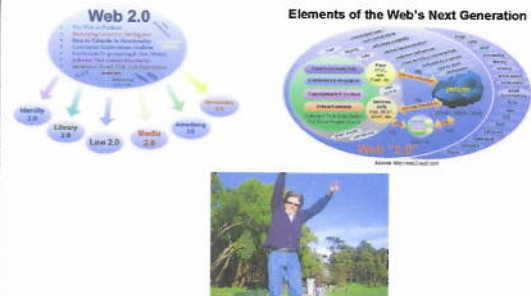
The Web of Learning



Today we have the Web 2.0



We are entering a jumping off point...



Perhaps people learning online are akin to the alien archaeologists in the 2008 movie, *Indiana Jones and the Kingdom of the Crystal Skull*, Indy said, **"Their treasure wasn't gold, it was knowledge. Knowledge was their treasure."**

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

- **W**eb Searching in the World of e-Books (i.e., Darwin)
- **E**-Learning and Blended Learning
- **A**vailability of Open Source and Free Software (e.g., Moodle)
- **L**everaged Resources and OpenCourseWare (e.g., MIT)
- **L**earning Object Repositories and Portals (i.e., shared content)
- **L**earner Participation in Open Info Communities (YouTube)
- **E**lectronic Collaboration and Interaction (sync and async)
- **A**lternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)
- **R**ead-Time Mobility and Portability (e.g., iPhone)
- **N**etworks of Personalized Learning (Blogs, RSS)




Audience Participation!

1. WE

2. ALL

3. LEARN!!!




Triple Learning Technology Convergence of "WE-ALL-LEARN"

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



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!!!

Week after holidays, e-book sales outdo print, USA Today, January 5, 2011, Bob Minzesheimer and Carol Memmott

http://www.usatoday.com/life/books/news/2011-01-05-1Aebooksales05_ST_N.htm





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

April 10, 2010: Seton Hill University, 2,100 students an iPad and freshmen a 13-inch MacBook laptop. August 10, 2010, Can college students learn as well on iPads, e-books?, USA Today, Beth Marklein



Does iPad have the magic to bring people together?





July 23, 2010
India unveils \$35 computer for students,
CNN World, Harmeet Shah Singh

http://www.cnn.com/2010/WORLD/asia/07/23/india.laptop.five.dollar.apkpc/index.html?hpt=hp_1h&h=35in
http://www.cnn.com/video/#/video/techtv/2010/08/01/qps.5est.look.lead.cnn?hpt=hp_1h

Opener #2. E-Learning and Blended Learning

The Learning World is Open

Letter from Bill Gates about online learning (January, 2010)

<http://www.gatesfoundation.org/annual-letter/2010/Pages/education-learning-online.aspx>

Salmon Khan (Khan Academy) (videos on math, bio, trig, chemistry, money and banking, economics, statistics, etc.; <http://www.khanacademy.org/>)

A Grain of Rice: A Bloomington man's computer vocab game feeding the world (John Breen)

Adora Svitak, age 13, World's Youngest Teacher

**Florida Virtual School (71,000+ students);
Indiana University High School (4,000 students
and 1,400 enrolled in diploma programs)**

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

**iSMART: Integration of Science, Mathematics, and
Reflective Teaching (iSMART) is a FREE 2-year
online graduate program for middle school
science and mathematics teachers in Texas,
University of Houston**

<http://www.coe.uh.edu/mycoe/CUINimathi/iSMART%20flyer4.pdf>
<http://www.coe.uh.edu/mycoe/CUINimathi/iSMART.cfm>

You see the big picture. You find the connections.
Make it official - become iSMART.

**Jen Chauvot and
Mimi Lee, Univ
of Houston**

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

The Learning World is Open

**Moodle (35+ million users (930,000
registered) in 213 countries, nearly 50,000 sites,
3.5+ million courses, June 27, 2010)**

Country	Registrations
United States	4,600
Spain	4,267
Spain	3,177
United Kingdom	2,170
Germany	2,267
Portugal	1,864
Mexico	1,796
Australia	1,180
Colombia	1,142
Italy	1,124

**Opener #4. Leveraged
Resources and OpenCourseWare
(OCW) (e.g., free courses from
MIT, Utah State, CORE, OOPS)**

The Learning World is Open

Charles Wedemeyer, University of Wisconsin

The image shows a book cover titled "Learning at the Back Door: Reflections on Non-Traditional Learning in the Lifespan" by Charles A. Wedemeyer. To the right of the book are two black and white portraits of Charles Wedemeyer, one wearing a bow tie.

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

This block contains two screenshots. The left one shows the Berkeley University of California website with a video player for a course. The right one shows a YouTube channel page for Berkeley, featuring various educational videos.

Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

This block shows two screenshots of OpenCourseWare pages. The left one is for Tufts University, displaying a course titled "IDP300 Pathophysiology of Infectious Diseases, Fall 2004/2005" with a video of a red tick. The right one is for Johns Hopkins University, showing a course titled "JHSPH 600.001 The History of Public Health".

Opensource Opencourseware Prototype System (OOPS) funded by, the Foundation of Fantasy, Lucifer Chu, Chairman and Janitor of OOPS, Taipei)

This block features the OOPS logo, which stands for "Opensource Opencourseware Prototype System" and "開放式課程計劃". Below the logo is a screenshot of the OOPS website, which includes a list of courses and a section titled "The Biggest OCW Localization Volunteer Group in the World".

Peer2Peer University and University of the People (free!)

Neeru Paharia is behind Peer2Peer University, Fast Company, September 2009, How Web-Savvy Edupunks Are Transforming American Higher Education

This block contains several articles and photos. On the left is a photo of Neeru Paharia. In the center is a "Technology Review" article titled "Israeli starts 1st tuition-free online university". On the right is an article titled "Israeli Entrepreneur Plans a Free Global University That Will Be Online Only".

Opener #5. Online Learning Object Repositories and Portals (shared content)

A Single Group Helps Trigger an Online-Publishing Explosion

This block features a world map with colored regions representing the geographic distribution of open-access journals. The map shows North America (2,343), South America (2,827), Europe (4,238), and Oceania (2,827). To the right is a screenshot of a website titled "The Learning World is Open".

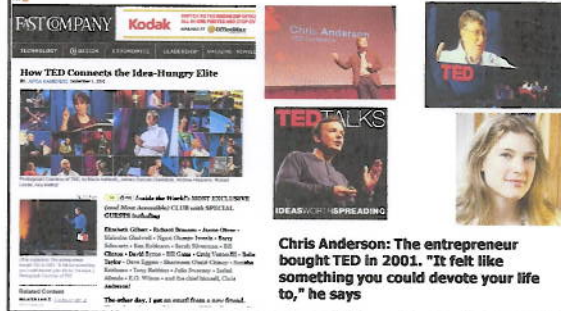
How about rich video portals?
Most of the Websites below did not exist 5 or 10 years ago.

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. MIT World
8. YouTube, YouTube Edu
9. TeacherTube
10. Link TV, Explore, Global Pulse, Latin Pulse
11. Howcast, Big Think, WonderHowTo, Exple.TV, NASA TV, ClipChef, TV Lesson, BookTV, Edutopia videos, MonkeySee, doFlick, the Research Channel, iVideosong



How TED Connects the Idea-Hungry Elite, Fast Company, Anya Kamenetz, September 1, 2010

<http://www.fastcompany.com/magazine/148/how-ted-became-the-new-harvard.html>



Shared Online Video (e.g., YouTube and the Royal Channel)



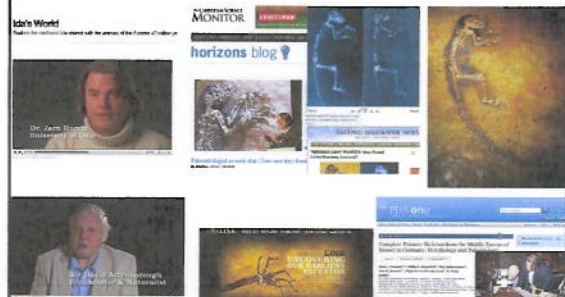
More Shared Online Video: Academic Earth, TV Lesson, and Fora TV



Tracking Live Internet Thawing: A Colossal of an Idea



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



The Complete Works of Charles Darwin

Charles Darwin
The Complete Works of Charles Darwin Online
(International, Interdisciplinary, Interconnected) 2009-2011

Contributors and Acknowledgments

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AWP2: Co-investigator: Professor [David Stammers](#) (Department of the History of Science, University of Cambridge)

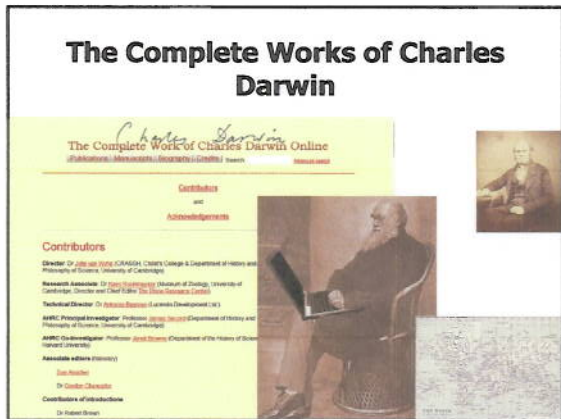
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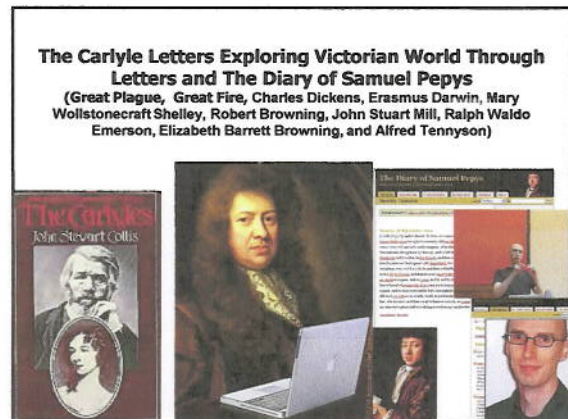
Contributors of [Publications](#)

Dr. [Robert](#)



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

(Great Plague, Great Fire, Charles Dickens, Erasmus Darwin, Mary Wollstonecraft Shelley, Robert Browning, John Stuart Mill, Ralph Waldo Emerson, Elizabeth Barrett Browning, and Alfred Tennyson)



Earthducation, Aaron Doering and Charlie Miller, The University of Minnesota

<http://lt.umn.edu/earthducation1/>



THE LAST OCEAN, The Last Ocean Project

<http://www.lastocean.com/> and <http://lastocean-project.org/>

Cassandra Brooks



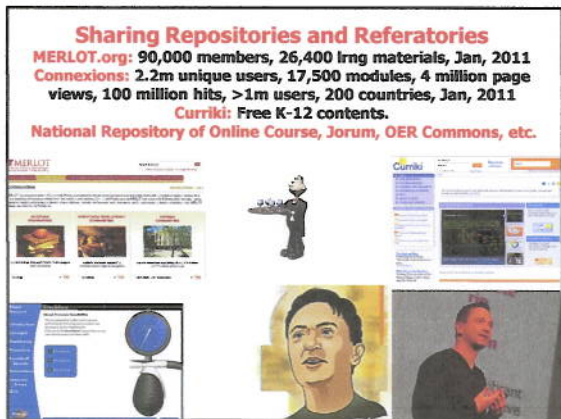
Sharing Repositories and Referatories

MERLOT.org: 90,000 members, 26,400 learning materials, Jan, 2011

Connexions: 2.2m unique users, 17,500 modules, 4 million page views, 100 million hits, >1m users, 200 countries, Jan, 2011

Curriki: Free K-12 contents.

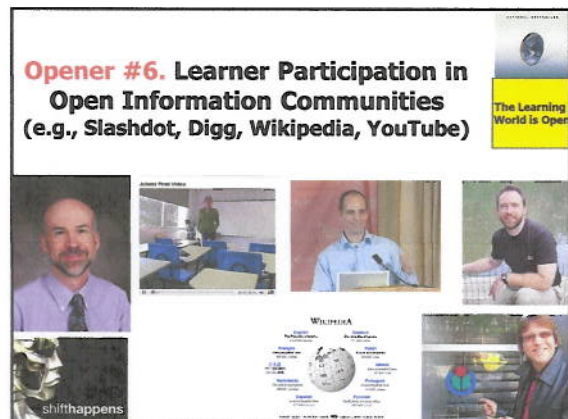
National Repository of Online Course, Jorum, OER Commons, etc.



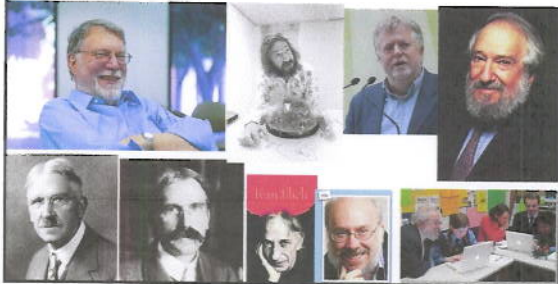
Opener #6. Learner Participation in Open Information Communities

(e.g., Slashdot, Digg, Wikipedia, YouTube)

The Learning World is Open

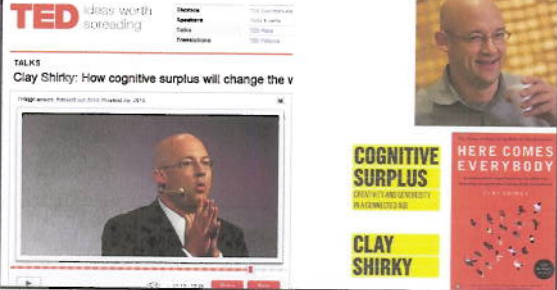


John Dewey, Seymour Papert, John Seely Brown, Ivan Illich, Stephen Heppell, Henry Jenkins



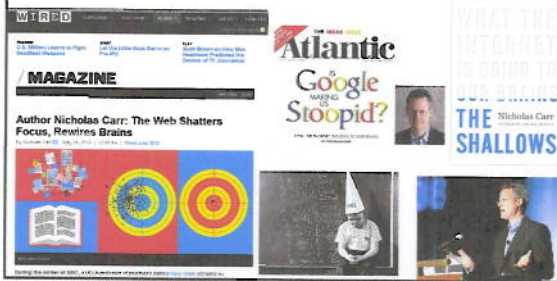
Clay Shirky, NYU: How cognitive surplus will change the world, TED, June 2010

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



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

http://www.wired.com/magazine/2010/05/ff_nicholas_carr/



"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos), September 2010

<http://www.youtube.com/user/TravelinEdMan>



Participatory E-Books



**Scribd: Documents on Web
(<http://www.scribd.com/>; 50 million unique visitors per month, 10's of millions of documents, April 2010)**



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

The Learning World is Open

Voices from Israel and Palestine

Collaboration Generation

edutopia The Collaboration App

Israel and the West Bank Final Report March 17 - March 25, 2010

Skype for iPhone adds two-way video calling, CNet Reviews, December 20, 2010

WATCHING VIDEO ONLINE

Google's YouTube estimates online video viewing, here's how competitors compare and more:

Top video content streams	Viewers
Google (YouTube)	14.2 billion
Hulu	787 million
Yahoo	650 million
Vevo	645 million
Viacom	497 million
Microsoft	485 million
ABC	348 million
Block	247 million
Fox Interactive (iTV/Social)	205 million
CBS	197 million

* Includes Comedy Central and MTV Source: ComScore Media Intelligence, November

Free music video site Vevo eyes iPad, other mobile possibilities

Skype for iPhone adds two-way video calling, mobile possibilities

Synchronous Conferencing Presentations

Flat Classrooms Project and Global Nomads Group

About Us

International School (Shake Class Photo)

Most of us are in the photo. It's a Match and Firefox search here to see an online a...
 something up for work towards our forthcoming holiday. To find out you'd doing this...

Webwood Schools Class Photo

Our class is in the photo. We're proud about the school Christmas tree. It's the...
 You can see our photos at 'Top' of our web at THE BRICKS.

The Next Generation of Videoconferencing Chronicle of HE, October 21, 2009

October 21, 2009

The Next Generation of Videoconferencing

Footage courtesy of USC Institute for Creative Technologies

Researchers at the University of Southern California and the University of North Carolina are meeting new tools that may soon let people attend videoconferencing...

Opener #8. Alternate Reality Learning (Online Massive Gaming, Simulations, and Virtual Worlds; e.g., Second Life)

The Learning World is Open

CIVILIZATION

Second Life

(business, law, education, English, medicine)

Social Networking Gaming (e.g., Farmville)

For social networks, it's game on, USA Today, Jon Swartz, Thursday October 15, 2009

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

15m people/month India
40,000/week Rwanda
60,000 earthlings/hour

"A" is for App, Anya Kamenetz, Fast Company, April 2010

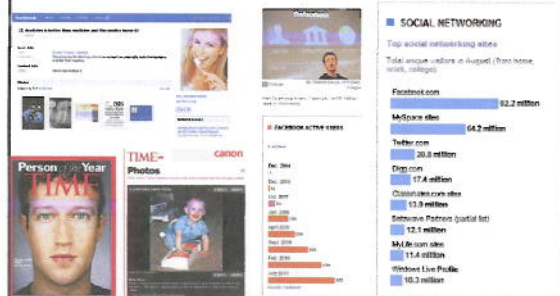
June 9, 2010

TwitterPeek:
Restricted to Twitter.

WikiReader:
Updating can be a pain.

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

Mark Zuckerberg, Time Meg Person of the Year, Dec 15, 2010



Language Learning Online (Livemocha and ChinesePod, SpanishPod, EnglishPod, etc.)



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 Amalgamations
15. Alexandrian Aristotles

Decisions for this Open Ed World?

- Technology and Admin Folks:
 - What do to about OER, open sources, E-books, mobile, etc.?
- Instructor decisions:
 - Act as Concierge, Counselor, Course facilitator, Credit manager?
- Students decisions:
 - Should I attend traditional university or create your own degree path?
 - How to report use of OER on resumes?

■ This book is an attempt to reveal a wide range of learning options in front of you while also offering you a framework to make sense of them. As the Grail Knight said in the 1989 movie, *Indiana Jones and the Last Crusade*, "choose wisely." If you do, WE-ALL-LEARN. The world is now open to you!

Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: <http://worldisopen.com/>
The World is Open.
What happens then?

WE

ALL

LEARN!!!