

**Part 1 (Macro View).
The Flat World Swung Open:
Now WE-ALL-LEARN with Web Technology**

Curtis J. Bonk, Professor, Indiana University
President, SurveyShare
cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>



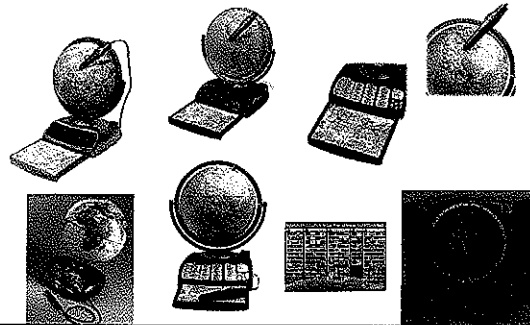
**The Ten Forces that
Flattened the World**

**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-Sourcing (Self organ colliab communities; Mosaic, Apache, Wikipedia, Linux, Mozilla)
5. Outsourcing (Y2K)
6. Offshoring (e.g., China, Mexico, Thailand)
7. Supply-Chaining (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 2008



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)

The image shows a screenshot of a Discovery News website article. The article title is "Scholar Finds More Pre-Historic Sites by Combining". The text discusses the use of satellite imagery and ground-penetrating radar to discover ancient sites. There are several small images of archaeological sites and a map.

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

The image is a collage of various images related to Allis-Chalmers tractors. It includes a large tractor, a smaller tractor, a building, and a diamond-shaped logo with the letters "AC". The text "ALLIS-CHALMERS" is visible in several places.

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

The image shows the cover of the book "Learning at the Back Door" by Charles Wedemeyer. The cover features a photograph of a man and a woman, and the title "Learning at the Back Door" in a stylized font. There is also a small logo with the letter "W".

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)

The image includes a logo for "World Open" in the bottom right corner.

Audience Participation!

1. WE

2. ALL

3. LEARN!!!

The image contains a small illustration of a person in a hat and a small photograph of a woman's face in the bottom left corner.

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.

The image includes a logo for "The Learning World is Open" in the top right corner.

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

Opener #2. E-Learning and Blended Learning

The Learning World is Open

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

WE ALL LEARN!!!

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

Total and Online Enrollment in Postsecondary Institutions Fall 2002 through Fall 2006

(for Degree-Granting Institutions)

	Total Enrollment	Annual Growth Rate Total	Students Taking at Least One Online Course	Annual Growth Rate Online Enrollment	Online Enrollment as Percent of Total Enrollment
Fall 2002	15,611,710	NA	1,532,970	NA	9.7%
Fall 2003	15,900,479	1.7%	1,971,387	23.0%	11.7%
Fall 2004	17,272,043	2.2%	2,323,783	18.2%	13.5%
Fall 2005	17,428,030	0.9%	2,183,050	26.3%	18.2%
Fall 2006	17,647,720	1.3%	3,455,381	9.7%	19.6%

SOURCE: Online Enroll: The Years of Growth in Higher Learning (October 2007)

UIS Online & Blended Enrollment

Open Teaching

(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

For each answer you get right, we donate 10 grains of rice through the UN World Food Program to help end hunger.

This country is Thailand
 Malaysia
 Indonesia
 Vietnam

Answer by typing the correct letter in the box.

ScanByte - Hurry - You ?

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

The Learning World is Open

INFORMATION TECHNOLOGY

Open Source for Blackboard Will Not Be Used in Higher Learning

The World Computer...
 Open Source...
 Blackboard

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

WE ALL LEARN!!!

Moodle (620,000 registered users in 204 countries speaking 78 languages, 2/10/2009)

Moodle sites

Moodle downloads

Registered users: 620,000
 Countries: 204
 Languages: 78
 Downloads: 1,000,000
 Registrations: 10,000

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

The Learning World is Open

OpenCourseWare (OCW) logo

OpenCourseWare | Projects

Remix Open Textbook

We Remix Open Textbooks!

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

Berkeley UNIVERSITY OF CALIFORNIA

Open Educational Resources

Open CourseWare

Open Textbooks

Open Video Lectures

Open Courseware

Open Textbooks

Open Video Lectures

OpenCourseWare (OCW) Cute Kitten or Transformation?

MIT OPEN COURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Open Yale

Free!

Open Educational Resources

Open University Needs You!

OPEN COURSEWARE CONSORTIUM

MIT OPEN COURSEWARE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Open Yale

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

The Biggest OCW Localization Volunteer Group in the World

OOPS

OOPS: Opencourseware Prototype System The Foundation of Fantasy Culture and Arts

The Biggest OCW Localization Volunteer Group in the World

OOPS

Opencourseware Prototype System

開放式課程計劃

Sample OpenCourseWare Projects (Tufts, Johns Hopkins)

Tufts OpenCourseWare

IDP200 Pathophysiology of Infectious Diseases, Fall 2004/2005

Open CourseWare

Open CourseWare

Indian Institutes of Technology (IIT)

YouTube

Indian Institutes of Technology (IIT)

Open CourseWare

Open CourseWare

National Repository for Online Courses (NROC) Commons

Welcome to a worldwide learning network

With courses in 10 languages and courses across 100+ countries, NROC Commons is a global network of educators and learners. It's a place where you can find the courses you need to learn, teach, or share. It's a place where you can connect with other educators and learners from around the world. It's a place where you can make a difference.

Cape Town Open Education Declaration, Dec 2007

<http://www.capetowndeclaration.org/>

THE CAPE TOWN OPEN EDUCATION DECLARATION

Read the Declaration

Open Education Declaration

Marking the passage of open educational resources...

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

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

Neeru Paharia is behind Peer2Peer University, a free global university that will be online only. He is also the founder of the University of the People, a free global university that will be online only.

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

The Learning World is Open

SPARK

Search for Learning Objects

40 MILLION

Academic Earth

<http://academicearth.org/>

Thousands of video lectures from the world's top scholars.

Featured Courses: The History of the World, Philosophy of Life and Death, World Food.

Tracking Live Internet Thawing: A Colossal of an Idea

The collage shows a person working at a computer, a globe, and various data visualizations, illustrating the concept of internet thawing.

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

A screenshot of a horizons blog post. The main title is "Ida (a transitional species) 47-Million-Year-Old *Darwinius Masillae* Fossil the Missing Link? (wowOwow, May 20, 2009)". The page features a large image of the fossil and several smaller images of related scientific work. The text is partially obscured but includes the word "horizons" and "blog".

The Complete Works of Charles Darwin

The Complete Works of Charles Darwin Online
 Contributors and Acknowledgments

Contributors

Editor: Dr. David Hoyle (2002-2008), Christ's Church & Department of History and Philosophy of Science, University of Cambridge
 Research Assistant: Dr. Janet Riddle (2002-2008), University of Cambridge, Christ's Church & Department of History and Philosophy of Science, University of Cambridge
 Technical Director: Dr. David Hoyle (2002-2008), University of Cambridge
 JISC Development Partner: Professor James Kilgus (Department of History and Philosophy of Science, University of Cambridge)
 JISC Development Partner: Professor Janet Brown (Department of the History of Science, University of Cambridge)
 Associate Editors (Past and Present):
 Dr. David Hoyle
 Dr. Janet Riddle
 Dr. Janet Brown

A screenshot of the Darwin Online website. It features a large portrait of Charles Darwin and a list of contributors and acknowledgments. The text is in a serif font and includes the names of the editor, research assistant, technical director, and development partners.

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)

A screenshot of the Carlyle Letters website. The main title is "The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys". Below the title, it lists various authors and historical events: "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". The page features several images, including a portrait of Samuel Pepys and a laptop.

Referatory: MERLOT.org (74,500 members, 21,300 learning materials, October 6, 2009)

MERLOT
 The Community for Open Education Resources

Communities

MERLOT has over a million of Community Profiles categorized by discipline and program areas. These include: Learning Object & Digital Repository of Resources, Open Access Journals and Learning, Community Profiles, MERLOT members, and Open Access Journals. Some examples of active skills are: professional associations, journals, conferences, and other resources for continuous professional development. MERLOT has provided Community Profiles for:

- Discipline Communities: Explore resources you find in your course and materials.
- Workforce Development Communities: Explore resources supporting professional development programs.
- Partner Communities: Explore resources supporting MERLOT's Partner Communities and OERs.

Biology, Fire Safety, Civil Service Unit - Business

A screenshot of the MERLOT.org website. The main title is "Referatory: MERLOT.org (74,500 members, 21,300 learning materials, October 6, 2009)". Below the title, it says "MERLOT The Community for Open Education Resources". The page features a navigation menu and a section titled "Communities" with three sub-sections: "Discipline Communities", "Workforce Development Communities", and "Partner Communities". Each sub-section has a small image and a brief description.

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 October 2008:
 45 million hits
 2m page views
 1m unique users
 from 200 countries

A screenshot of the Connexions website. The main title is "Connexions Growth January 2009". Below the title, it lists statistics: ">8,000 modules (3-5 pages)", ">425 collections (books and courses)", "multiple languages", and a list of subjects: "engineering, computer science, nanotech, physics, statistics, math, history, music, bio-diversity, botany, bio-info, IP, BRIT, UNESCO, UN, Sigma Xi, ...". It also says "from authors worldwide". On the right, there is a small image of a person's face. At the bottom, it says "Usage October 2008: 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)

The Learning World is Open

A bit of me...

this is me

flatworld KNOWLEDGE

A screenshot of the flatworld KNOWLEDGE website. The main title is "Opener #6. Learner Participation in Open Information Communities (e.g., Slashdot, Digg, Wikipedia, YouTube)". Below the title, it says "The Learning World is Open". There are two small images: one of a person's face with the text "A bit of me..." and another of a person's face with the text "this is me". The flatworld KNOWLEDGE logo is prominently displayed in the center.

Wikis: Wikipedia and Wikibooks

WIKIPEDIA

The Free Encyclopedia
2,048,207 articles

Deutsch
Die freie Enzyklopädie
171,886 Artikel

Português
A enciclopédia livre
443,886 artigos

Português
A enciclopédia livre
443,886 artigos

Русский
Свободная энциклопедия
317,000 статей


Español
La enciclopedia libre
317,000 artículos

Italiano
L'enciclopedia libera
471,000 voci

Polish
Wolna encyklopedia
333,000 artykułów


Fransés
L'encyclopédie libre
443,886 articles

English
The Free Encyclopedia
2,048,207 articles




Products of the Wikimedia Foundation (part 0001)

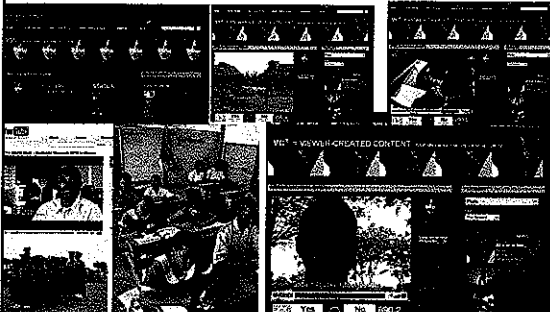
Conference to Conference (You Ustreamed my Ustream: Now that's a Twitter of an Idea)




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



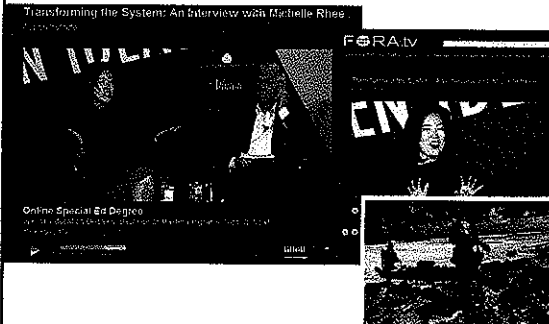
Individual Produced Videos (e.g., African School Dream in Current TV) http://current.com/items/77146082_african_school_dream



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



Link TV and Fora TV



dotSUB (subtitling video)

The screenshot shows the dotSUB website interface. At the top, it says "dotSUB BETA". Below that, there's a navigation menu with options like "Home", "About", "Contact", "Help", "Privacy", "Terms", "Feedback", "Advertise", "Partners", "Sponsors", "Links", "FAQ", "Helpdesk", "Support", "Feedback", "Contact Us". The main content area features a video player with a subtitle track. A chat window on the right shows a conversation about "Twitter in Plain English". Below the video, there's a section titled "Our product is explained" with a list of features and a "Learn More" button.

Participatory E-Books

This block contains a collage of e-book covers. The most prominent one is "THE FUTURE OF THE INTERNET AND HOW TO STOP IT" by Jonathan Zittrain. Other covers include "OPENING UP EDUCATION" and "The Wealth of Networks". The covers feature various images related to technology, education, and networks.

Scribd: Documents on Web

<http://www.scribd.com/>; 21 million unique visitors per month, May 2008

The screenshot shows the Scribd website interface. At the top, it says "Scribd". Below that, there's a navigation menu with options like "Home", "About", "Contact", "Help", "Privacy", "Terms", "Feedback", "Advertise", "Partners", "Sponsors", "Links", "FAQ", "Helpdesk", "Support", "Feedback", "Contact Us". The main content area features a "Publish Yourself Online" section with options to "Upload Documents" and "Explore Our Library". Below that, there's a section titled "Share with the World" with a list of document categories and a "Learn More" button.

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

This block contains a collage of e-books and articles related to collaboration and interaction. The most prominent one is "edutopia: The Collaboration Age". Other covers include "Collaboration Generation" and "NEW SKILLS FOR A NEW AGE". The covers feature various images related to education, collaboration, and learning.

Synchronous Conferencing Presentations

This block contains a collage of screenshots from synchronous conferencing presentations. The screenshots show various participants and presenters in a virtual meeting environment. Some screenshots show a grid of participants, while others show a single participant or a presenter at a whiteboard.

Iran after the June Election

<http://www.cnn.com/video/#/video/world/2009/06/17/amanpour.uk.covering.iran.cnn>

This block contains a collage of video thumbnails from CNN. The thumbnails show various news coverage of Iran after the June election. Some thumbnails show a person speaking, while others show a crowd or a building.

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

October 21, 2009
The Next Generation of Videoconferencing

Featuring a showcase of USC Institute for Creative Technologies

Researchers at the University of Southern California and the University of North Carolina at Chapel Hill are creating new tools that may soon let people attend videoconferences as

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

Education, Learning & Language
Human Rights Topic for Exploring Web 2.0 class

Adventure Learning, GeoThentic, GoNorth (National Geographic) (Aaron Doering, Univ of Minnesota)

Ice Stories Project from Antarctica

1kg More Project for Rural China (<http://www.1kg.org/>)

Mongolia teachers addressing H1N1 (Otgo Okhidoi, Nov 10, 2009)

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

The Learning World is Open

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

University of Texas: 50 Islands, Nov 2009

<http://archive.treet.tv/metanomics-campus-life>

treet.tv Archives

Quick Access to 1000s of Treet & treetTV Shows Over 2,000,000 Views!

Playing Metanomics // Campus Life

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

The Learning World is Open

We Are Going Mobile!

40,000 new mobile subscribers a week in Rwanda; Rwanda Newtimes report, January 2009

Africa is the continent with the fastest growth, International Telecommunications Union (ITU), March 2009

India: In January, 2009, the number sky rocketed to 15.4M

Globally: 60,000 new mobile subscriptions every hour!!!

(per Paul Kim, Stanford, 2009); Nokia Research Lab
http://news.yahoo.com/sj/afp/20090308/bw_afp/indiaeconomytelecom

Terabyte thumb Drives and Magic Pens!

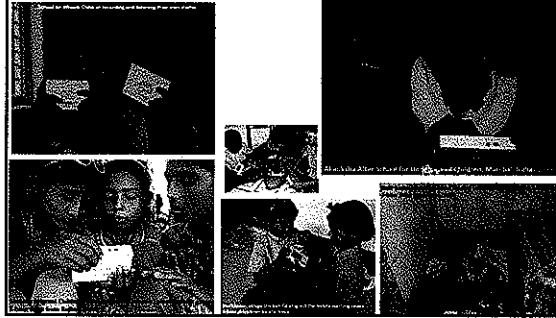
(The Pulse from Livescribe, \$129-\$169)

TwitterPeek, WikiReader not worth the loot, USA Today, Edward Baig, November 5, 2009

TwitterPeek:
Restricted to Twitter.

WikiReader:
Updating can be a pain.

Mobile Learning in India with Paul Kim
<http://www.stanford.edu/~pbkim/curt/India.pdf>



Mobile Learning
(April 21, 2009, USA Today)

'One Laptop Per Child' program collides with reality
GEOFFREY YORK, Toronto Globe and Mail, Oct 15, 2009
Bhutan, Khendum Gyabak (University of Texas at El Paso)



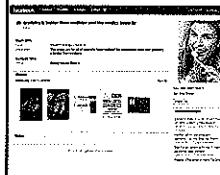
Opener #10. Networks of Personalized Learning
(Blogs, Podcasts, MySpace, Flickr, and RSS)



September 30, 2009
the Samsung DualView TL225



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



Growth of social networking sites

Social networking site users (as a percentage of total internet population)



SOCIAL NETWORKING

Top social networking sites

Total unique visitors in August (thousands, work, college)

Facebook.com 89.2 million

MySpace.com 64.2 million

Twitter.com 20.8 million

Classmates.com 17.4 million

ClassMates.com sites 11.8 million

Bebo.com 11.4 million

Wunderbar.com 10.3 million

Wunderbar Live 9.7 million

Wunderbar Live 9.7 million

Wunderbar Live 9.7 million

Wunderbar Live 9.7 million

Podcast Shows (subscribe to ShakespeareCast.com)

Big Contact Feed Player - Window
<http://www.bigcontact.com/play>
 Shakespeare

- HN4 - By Indirections Find Directors O
- HN3 - Your Father Lost a Father
- HN2 - A Documentary In Madness
- Hamlet's Head #DD1
- Intermission
- R&J Act 3 Scene 1
- Roméo and Juliet - Act 2
- MSND Act 1 Scene 1
- R&J Act 2 Scene 6
- R&J Act 2 Scene 5
- R&J Act 2 Scene 4
- R&J Act 2 Scene 3
- R&J Act 2 Scene 2

Learning Towns are Popping up!

Learning Towns interface showing a grid of user avatars and a sidebar with navigation options.

243 free lessons & 7387 conversations. Take the tour >

30 free lessons & 478 conversations. Take the tour >

Livemocha (29 languages, 160 hours of lessons, over 2 million users, FREE!)

"A powerful opportunity for people around the world to connect with language partners"

Livemocha

Social Language Learning - Online!

Language Learning on Livemocha

Livemocha is the world's largest language learning community with over 2 million members! Designed for all language goals and skill levels, Livemocha offers free

Livemocha Challenge

Learning a new language? Take the Livemocha Challenge and test your foreign language skills!

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

The Future

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

WE ALL LEARN!!!