




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



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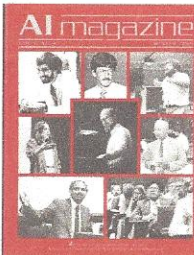
Audience Poll:
 Raise your hands if learning technology has ever transformed your life.



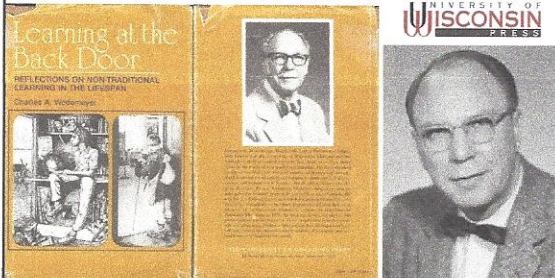
Change not possible as an accountant...
 (Life as a CPA, 1981-1986)

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."

SPILL SHARE

Learn anything from anyone, anywhere.



Jobs are still learning and discover unique classes in your city.

The Triple Convergence


The Flat World P's	The Open World P's
1. Processes Leveled	1. Piping/Infrastructure
2. Playing Field Equalized	2. Pages of Content
3. Participants	3. Participatory Culture




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)



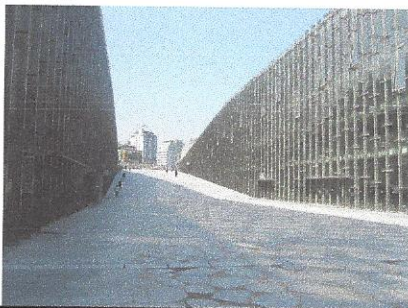
Audience Participation!

1. WE
2. ALL
3. LEARN!!!




The World is Open

(at Ewha Womans University)






Yonsei University, Seoul, Korea



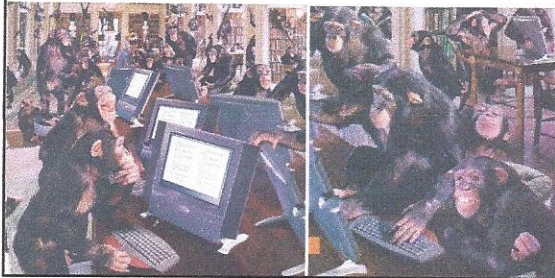

It is very open!








Tinkering...



Tinkering #1. Cases and Video Scenario Learning

Cost Behavior

Yellow Case
A woman with a headache who has been taking aspirin for several days. She has a fever and is feeling generally unwell.

Red Case
A man with a cough and chest pain who has been taking over-the-counter cough syrup for several days. He has a fever and is feeling generally unwell.

PATHOLOGY 001069: CLINICAL CASES

Labels accompanying these clinical cases are if you were seeing a real patient. The patients will give you their histories and the laboratory and X-ray abnormalities are ready to use for you. You may find several links on each page and the smart person will not use each one. Click on the link to see the video for each case and the smart person will give you a break. The rest at the end of each case will help reinforce the major points in each scenario.

Label

Clinical cases

- 1. A case of fever
- 2. A man with chronic cough
- 3. Middle aged man with chest pain
- 4. A man presenting with cough
- 5. The man complains of dyspnea
- 6. Man with abdominal pain
- 7. A middle aged man with chest pain
- 8. This elderly man has chest pain
- 9. A young woman with a breast mass
- 10. A young woman with chest pain
- 11. A young woman with chest pain
- 12. A young woman with chest pain
- 13. A young woman with chest pain
- 14. A young woman with chest pain
- 15. A young woman with chest pain

Tinkering #2. Tracking the Life of a Scientist (e.g., Brian J. Ford, independent scientist)

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

Brian J. Ford

Research on the microscopes of Robert Brown

Watch as the BBC fail to recreate the experiments

Inter Micro 2010
Chicago, Illinois
An excerpt from An Evening with Brian
12 July 2010

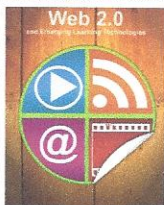
The great question - could Brown have viewed Brownian Movement?
On the next page you can see what Brown saw.

Tottering...



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

Web 2.0 and Emerging Learning Technologies
From Wikibooks: the open-source textbooks collection



Totter #2. Student Films and Documentaries

YouTube

Play my online learning out

119 views

YouTube

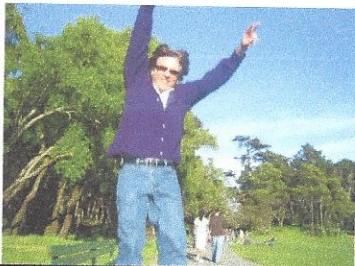
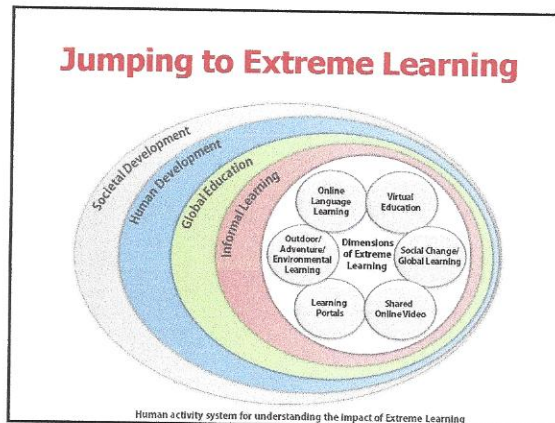
119 views

vimeo

The World Is Open

by argib kandhar

We are entering a jumping off point...

Totally Extreme Learning...




NAUTILUS LIVE



Camera stream Canadian polar bear migration





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)

Posts Tagged 'Lily Henry Roberts'

Canada: Who knew archeologists were also...
Lily Henry Roberts, UCLA



Archaeology field progress



Totally Extreme #2. Google Earth Archeology Research (e.g., 450 sites of interest in Afghanistan found by David Thomas, La Trobe Univ., Melbourne, Australia)

Discovery


Discovery News

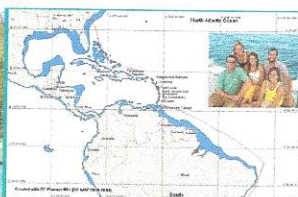
Scholar Finds New Archaeological Sites by Google





Totally Extreme #3. Virtual High School Learning by Boat (e.g., Bridey Fennell and her family sailing and learning in the Caribbean)





Totally Extreme #4.
Kids Learn Online, Teach Online
 (e.g., the World's Youngest Teacher; Adora Svitak)



Totally Extreme #5.
iPod Learning from MIT OCW
 (e.g., Wendy Ermold, University of Washington)

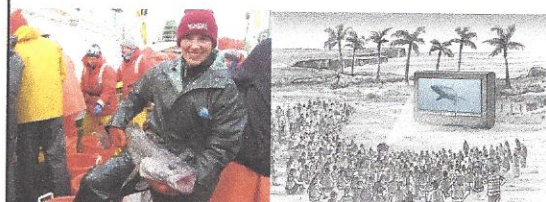


Totally Extreme #6.
Learning from Localized OER and OCV
 (e.g., Opensource Opencourseware Prototype System (OOPS), Lucifer Chu, Janitor of OOPS)

The Biggest OCV Localization Volunteer Group in the World



Totally Extreme #7.
Global and Environmental Education
 (e.g., Cassandra Brooks: The Last Ocean Project, Ice Stories, and Shark Theater: a 24 foot inflatable screen and outdoor ocean theater to tiny islands)

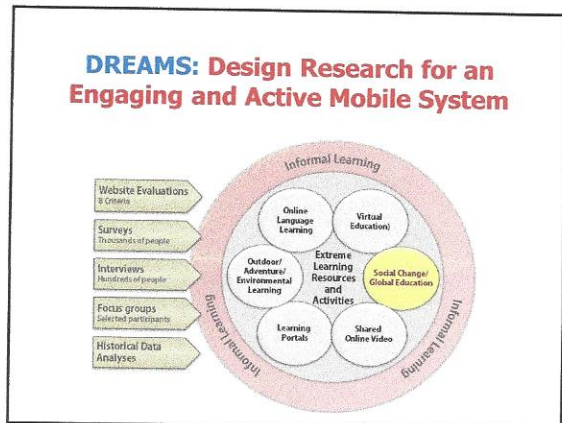


Totally Extreme #8.
Online Language Learning
 (e.g., 300,000 people per month listening to ChinesePod, co-hosted by Jenny Zhu, John Pasden, and Ken Carroll)



Totally Extreme #9.
Shared Online History Videos
 (e.g., "History for Music Lovers" with over 50 songs including: Trojan War "Tainted Love" by Soft Cell; Charlemagne "Call Me" by Blondie, Cleopatra, Napoleon, Shakespeare, the Vikings)





Extreme Learning "Stretches the Edges" of Humanity

This slide features a collage of images. On the left, several hands are stacked on top of a globe. On the right, a green sign reads 'Education Just Ahead' against a blue sky with clouds. Below the sign, the text 'Humanity Open Culture' is displayed. At the bottom, a small globe icon is shown next to the text: 'Document, Catalog, Grasp, Connect, Inspire Others,...

What are your Extreme Learning HOPES and DREAMS?

Website: www.Extreme-Learning.com
 Slides at: TrainingShare.com
 Book: <http://worldisopen.com/>
 Write to me: curt@worldisopen.com

The slide provides contact information for Extreme Learning. Below the text is a screenshot of the website's mobile interface, showing a search bar, navigation tabs, and a list of content items with images and titles.