

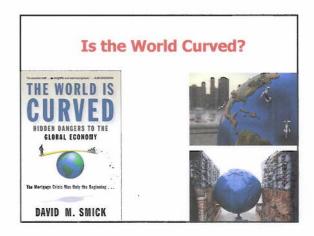
## The Ten Forces that Flattened the World

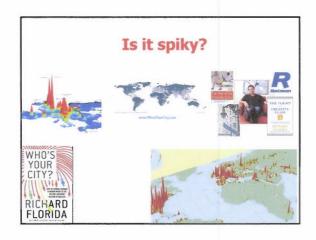
Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.

- 1. 11/9/89: Berlin Wall came down
- 8/9/95: Netscape went public
- Work Flow Software (e.g., PayPal and eBay)
  Open-Sourcing (Self organ collab communities;
  Mosiac, Apache, Wikipedia, Linux, Mozilla)
- Outsourcing (Y2K)
- Offshoring (e.g., China, Mexico, Thailand)
   Supply-Chaining (e.g., Walmart)
   Insourcing (UPS fixing Toshiba laptops)

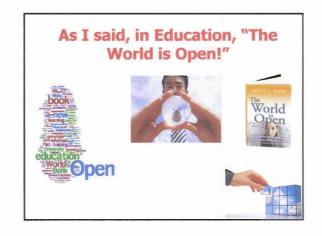
- In-forming (e.g., Google, Yahool, MSN Web Search)
  The Steroids: Digital, Mobile, Personal, and Virtual
  (wireless, file sharing, VoIP, video camera in phone)







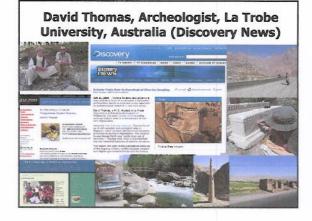




















## Triple Learning Technology Convergence of A STATE OF THE PARTY OF THE PAR "WE-ALL-LEARN"



- 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.



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?









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."

Blio: Kurzweil Reinvents the Book Charlie Sorrel, Dec 29, 2009, Wired http://www.wired.com/gadgetlab/2009/12/blio-kurzweil-reinvents-the-book/

- Blio is a free platform...run on any device.
- Blio is in color.
- Blio lays pages seen on paper, with typography and illustrations; uses video.
- More than a million library of titles.
- The end of the book?







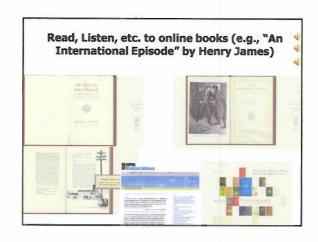
Tablet May Help E-Textbook Market, Publishers Hope Chronicle of HE, Jeffrey Young January 31, 2010

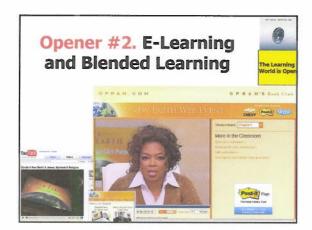




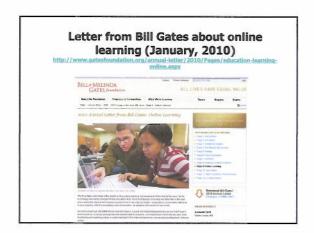
Guests play with Apple's new iPad at an event announcing its debut in San Francisco. At least one college is considering giving iPads to new students, but the jury on whether the device will revolutionize learning will be out for a while.







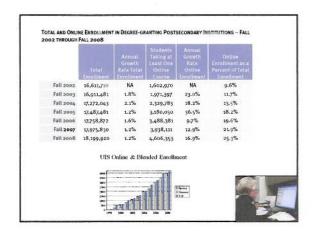


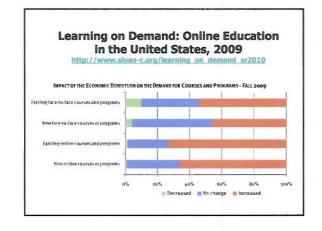


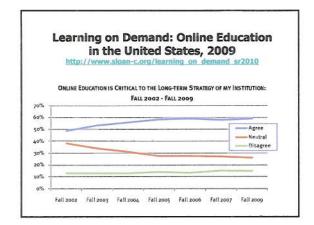








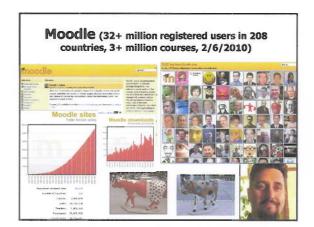




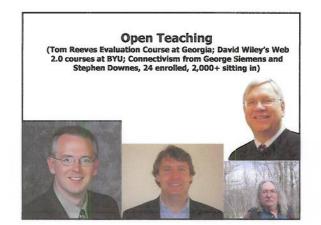
Learning on Demand: Online Education in the United States, 2009 http://www.sloan-c.org/learning_on_demand_sr2010					
PROPORTION OF INSTITUTION OF PROPORTION OF PROPERTY OF THE PRO		ECONOMIC DOV	INTURN HAS INCRE	ASED DEMAND FO	R COURSES
	Public	Private nonprofit	Private for profit		
Existing Face-to-face	75-9%	31.6%	52.7%		
New Face-to-face	60.2%	30.9%	45.8%		
Existing Online	87.0%	58.2%	67.0%		
New Online	76.5%	59-5%	54-5%		
	Doctoral) Research	Master's	Baccalaureate	Associate's	Specializa
Existing Face-to-face	51.9%	44.7%	30.9%	75.2%	26.5%
New Face-to-face	39.2%	35-9%	24.6%	63.3%	32.6%
Existing Online	75-0%	66.7%	62.1%	81.2%	62.0%
		67.6%	55.8%	71.9%	52.4%





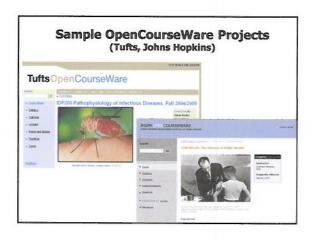






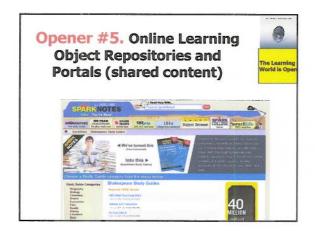




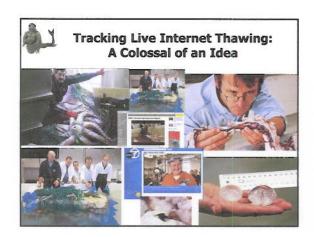




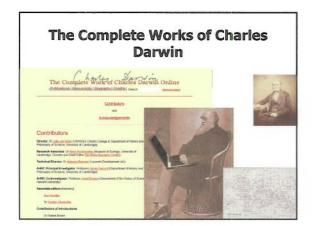


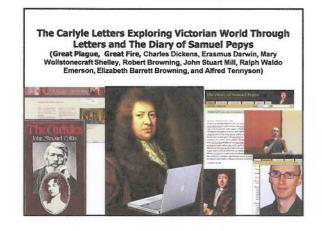


















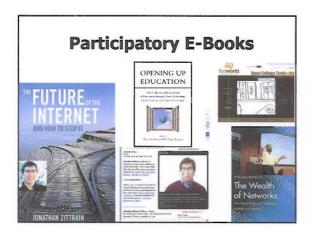








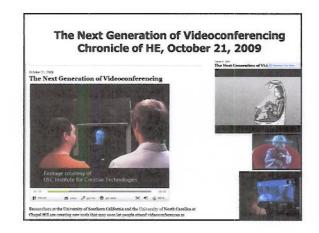


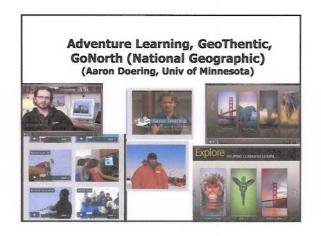






















## We Are Going Mobile!

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



