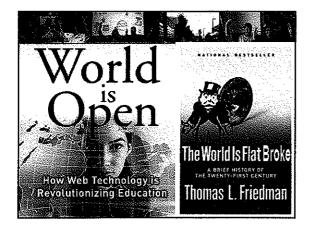


## The Ten Forces that **Flattened the World**

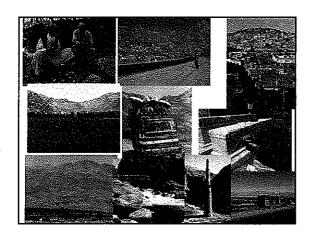
Triple Convergence: (1) new economic players, (2) playing fields, and (3) processes.

- 1. 11/9/89: Berlin Wall came down
- 8/9/95: Netscape went public
- Work Flow Software (e.g., PayPai 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, Yahoo!, MSN Web Search)
  The Steroids: Digital, Mobile, Personal, and Virtual
  (wireless, file sharing, VoIP, video camera in phone)















#### **WE-ALL-LEARN:**





Ten Forces that Opened the Learning World

- Web Searching in the World of e-Books (i.e., Darwin)  $_{\mbox{The Les}}$
- 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)

# **Audience Participation!**

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

### **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.

#### 4th P? Processing Speed

Scientists develop fastest computer June 9, 2008, H. JOSEF HEBERT, AP

To put the computer's speed in perspective, it has roughly the computing power of 100,000 of today's most powerful laptops stacked 1.5 miles high, according to IBM. Or, if each of the world's 6 billion people worked on hand-held computers for 24 hours a day, it would take them 46 years to do what the Roadrunner computer can do in a single day.

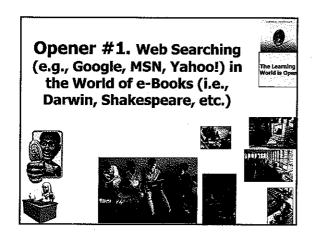








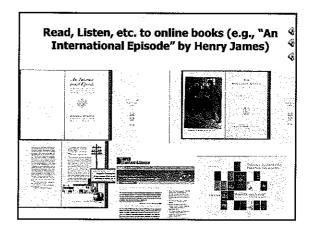
# 5<sup>th</sup> P?...Pointing!

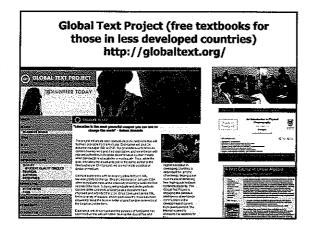


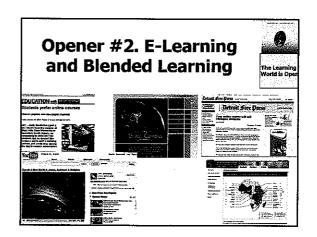
Trend #1. Web Searching in the World of e-Books. What happens then?

WE
ALL
LEARN!!!





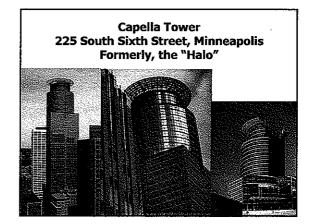


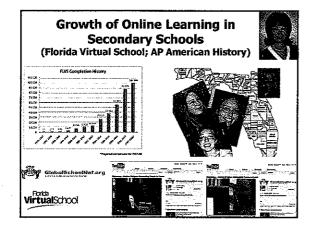


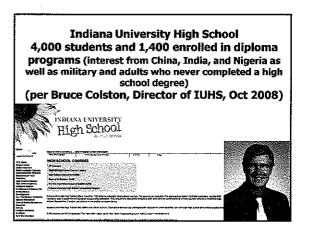
Trend #2. E-Learning and Blended Learning. What happens then?

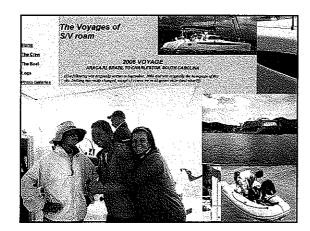
W<u>E</u>

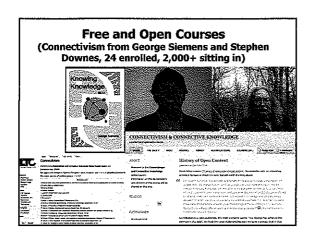
ALL LEARN!!!

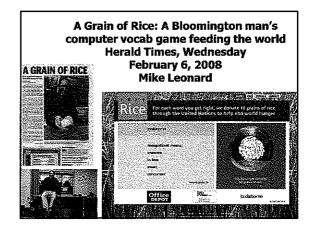


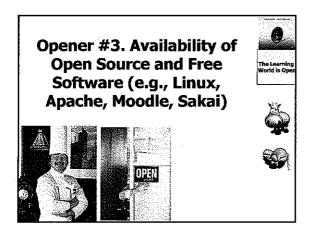












Trend #3. Availability of Open Source and Free Software. What happens then?

WE

ALL

LEARN!!!

