

E-Learning Trends and Overview for Corporate Training Environments

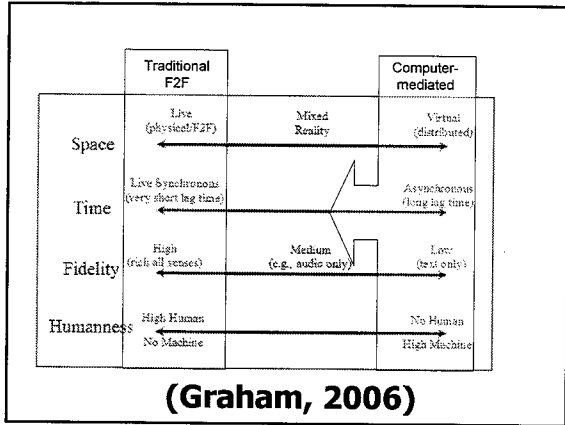
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 President, SurveyShare
 cjbonk@indiana.edu
<http://php.indiana.edu/~cjbonk>



The Ten Forces that Flattened the Learning World



1. Tools for Searching/Finding Media and Information Resources
2. Availability of Quality Online and Blended Learning Environments
3. Free and Open Source Software for Learning
4. Open CourseWare (free content)
5. Online Learning Object Repositories and Portals (shared content)
6. Virtual Collaboration Software (synchronous and asynchronous)
7. Online Massive Gaming, Simulations, and Virtual Worlds (e.g., Second Life)
8. Learning Mobility and Portability (low-cost mobile devices+wireless communication, podcasts)
9. Personalized Learning Tools (Blogs, MySpace, Flickr, and RSS)
10. Open Information Communities (Wikipedia, Slashdot, Digg)



Types of Interactions Possible?

(Moore, M. G. (1989). Editorial: Three types of interaction. *American Journal of Distance Education*, 3 (2), 1-7.)

1. Learner-Instructor
2. Learner-Learner
3. Learner-Content



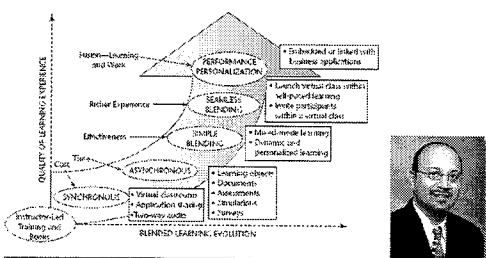
- 4a. Learner-Self: highlighted the importance of 'self talking', or internal dialogue when engaging with learning materials (Soo & Bonk, 1998)
- 4b. Learner-Interface: The learner's ability to use the communication medium facilitating the online course (Hillman, Willis, & Gunawardena, 1994)

Harvey Singh (2006)

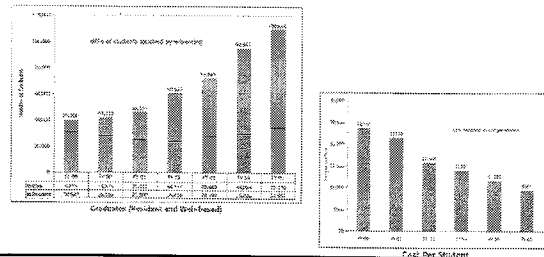
Blending Learning and Work

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FIGURE 34.1. PAST, PRESENT, AND FUTURE OF BLENDED LEARNING.



Defense Acquisition University Shaping a Culture of Career-Long Learning (lower costs and more learners!)

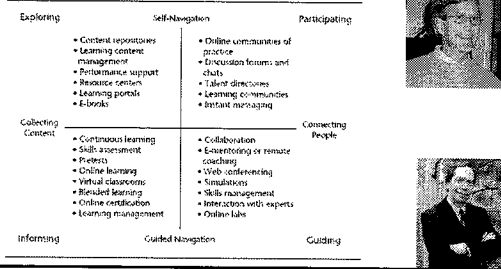


Specific Learning Elements An Learning Ecology from Sun Microsystems (Wenger & Ferguson, 2006)

A Learning Ecology Model for Blended Learning

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FIGURE 6.6. SPECIFIC KNOWLEDGE SERVICES.



1. Google Print Project



The complete plays of Shakespeare. Now at your fingertips.

In Shakespeare's day, getting greater access to his plays meant taking it out with the other "reading" for the best view of the stage. It took centuries for the modern printing press to bring plays like *Hamlet* to people all around the world — and for the Web to become one of the most quoted sources in history.

Now Shakespeare's works are even more accessible. Search within *Project Gutenberg* to read the text of his famous plays. Find out who called the world his "stage" and why. Discover through a familiar play — or follow your curiosity to discover a new one. And if you don't see what you want to try, a "tag" address will show you many more in [Google Book Search](#), many of which are available for purchase.

Comedy Tragedy Romance History

The Comedy of Errors

There is a new theatrical production of *The Comedy of Errors* at the University of Michigan. It is a comedy about a family of five who are all named "Miles" and who are all named "Miles".

Love's Labor's Lost

Love's Labor's Lost is a comedy about a group of men who are all named "Miles" and who are all named "Miles".

Much Ado About Nothing

Much Ado About Nothing is a comedy about a group of men who are all named "Miles" and who are all named "Miles".

The Merry Wives of Windsor

The Merry Wives of Windsor is a comedy about a group of men who are all named "Miles" and who are all named "Miles".

Shakespeare in the Public

PUBLIC

Google Book Search is a

private service of

Shakespeare in the Public

has more than 100 million

books available for search

at the University of Michigan

at the University of Michigan

at the University of Michigan

at the University of Michigan

at the University of Michigan

at the University of Michigan

BBC's download plans get backing, BBC News, January 31, 2007



The BBC's plans will allow viewers to download shows like *Doctor Who*



Programmes like *Planet Earth* could be available for longer



1.4m people downloaded Beethoven's symphonies from the

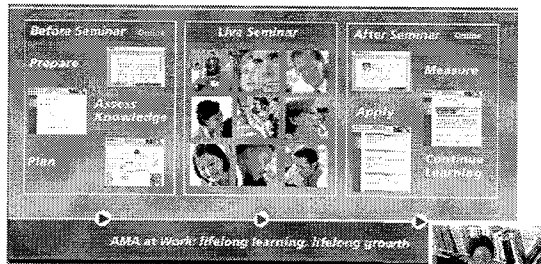


2. Blending Online and F2F Instruction

- "Blended learning refers to events that combine aspects of online and face-to-face instruction" (Rooney, 2003, p. 26; Ward & LaBranche, 2003, p. 22)

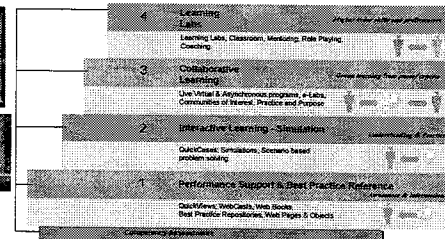


AMA Special Report, Effectively Implementing a Blended Learning Approach (Steven Shaw & Nicholas Igneri, 2006)



Source: American Management Association, AMA at Work


The IBM Four Tier Learning Model (2006) Blending Learning for Business Impact – IBM's case for learning success, 2006 Handbook of Blended Learning, Nancy Lewis, VP, & Peter Orton, IBM



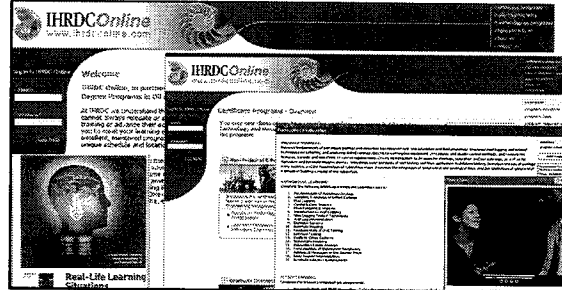
Blended Learning Scenario

(copyright Microsoft, Ziob & Mosher, 2006;
Handbook of Blended Learning Environments)

Pre Class	Day 1	Day 2	Day 3	Day 4	Day 5	Post Class
Self-study prep	In classroom	Virtual class	e-Learning	Virtual class	In classroom	Community newsgroups



IHRDC Certificate programs are all Blended Learning, a combination of e-Learning; mentor assisted learning; Practical Assignments (On the Job) and Peer Review quality written paper exercise.



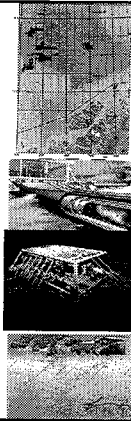
IHRDCOnline
www.ihrdc.org

Welcome
IHRDC Online is an online Degree Programs is 100% e-Learning. All IHRDC are implemented in online degree programs of training or 24 hours there are 100% e-Learning. All IHRDC are implemented in online degree programs of training or 24 hours there are 100% e-Learning.

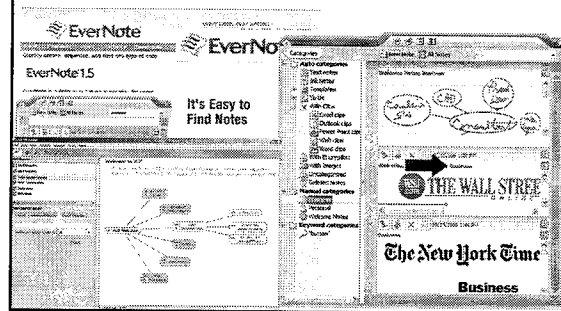
E-Learning Contracts: Meaningfulness

Shell Oil: Workflow Learning

- In this context, authentic work-based activities are learning activities that are anchored in workplace practice and that are focused on developing the participants' ability to solve problems in their everyday professional job roles (Merrill, 2002).

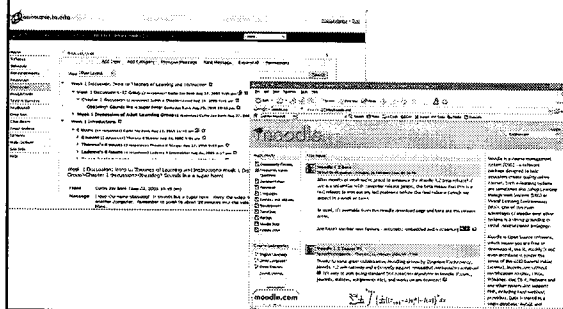


3. Open Source Tools

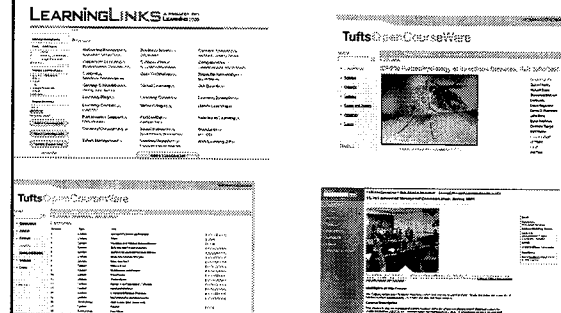


EverNote
It's Easy to Find Notes

OpenSource Courseware Asynchronous Discussion



4. Open CourseWare



LEARNINGLINKS
Tufts Open CourseWare

5. Free Portals on Oil and Gas Industry

Energy Case Studies

Federal Case Studies

Financial Services Case Studies

Online Referenceware and Terminology Exercises (puzzles, games, etc.)

You have lost

Learning 2006

6. Virtual Collaboration Online Groups Tools

Ray Ozzie
Founder, Groove Networks

Online Apprenticeship and Mentoring (Simon Fraser University News: <http://www.sfu.ca/mediapr/news/2001/Sept6/hightech.html>)

Students Chat With Italian Civil Engineer

Synchronous/Virtual Learning

HorizonLive: eBoard

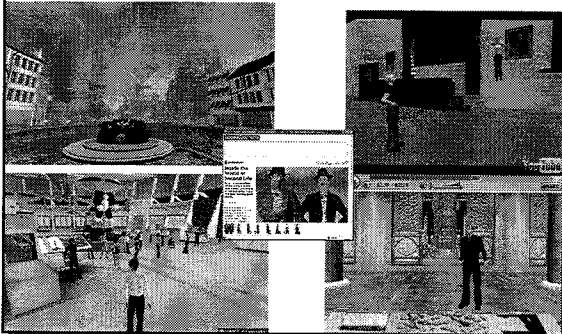
HorizonLive: Polling

Webcast Lectures (slides synched)

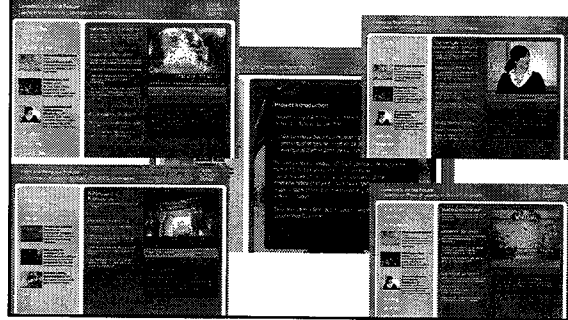
Meaningful Learning

- Non-arbitrary, non-verbal, substantive incorporation of new knowledge into cognitive structures.
- Deliberate effort to link new knowledge with higher order concepts in cognitive structures.
- Learning related to experiences with events or objects.
- Affective commitment to relate new knowledge to prior learning.

7. Online Gaming, Simulations, and Virtual Worlds
 CNEW, News.com, Nov. 14, 2006

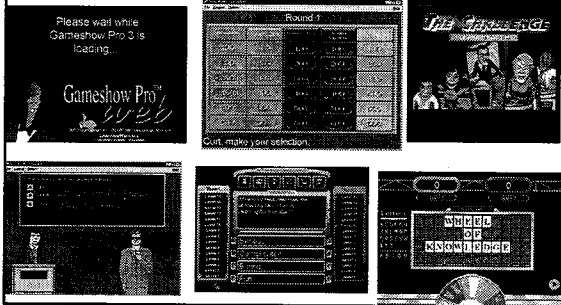


Massive Multiplayer Online Gaming (MMOG)

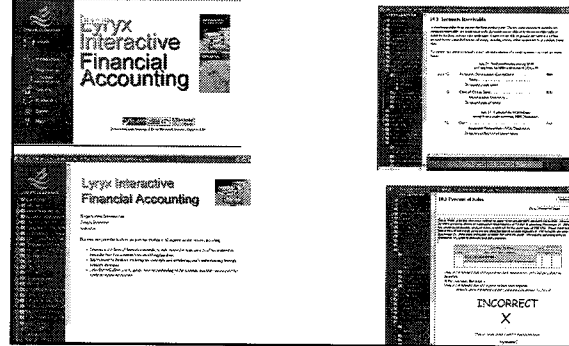


Games and Simulations
 e.g., Online Jeopardy Game

Thiaai.com

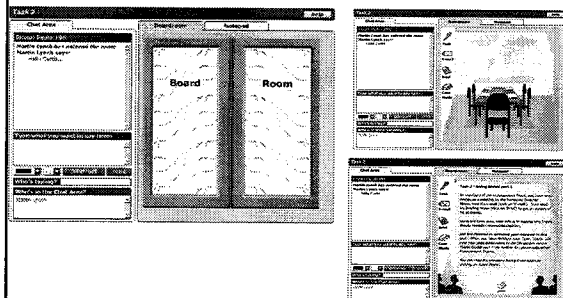


Hands-on Online Simulations (e.g., Financial Accounting; from the University of Calgary)



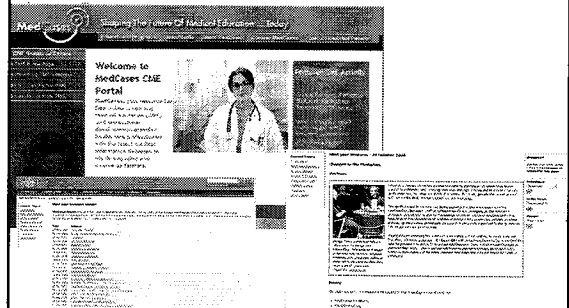
Business Class Simulated Boardroom Chat

eCollege Wales, Univ. of Glamorgan

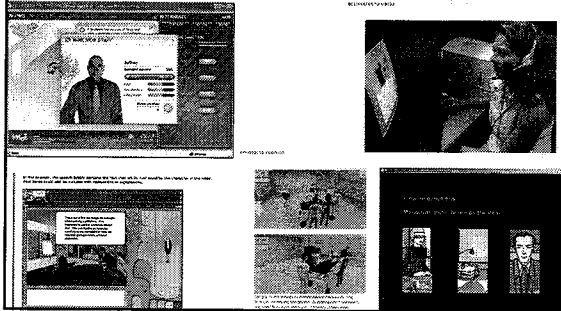


Community of Learners: Medical and Business Cases Online (cases community)

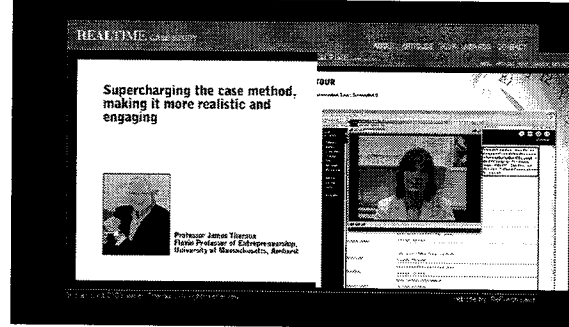
<http://optionstraining.org/login>



Educational Simulations



Real World Problems (PBL online): Real-time Cases

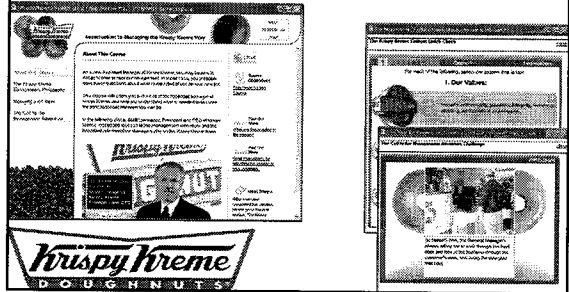


Video Scenario Learning (Option 6, Bloomington, IN; Allen Interactions)

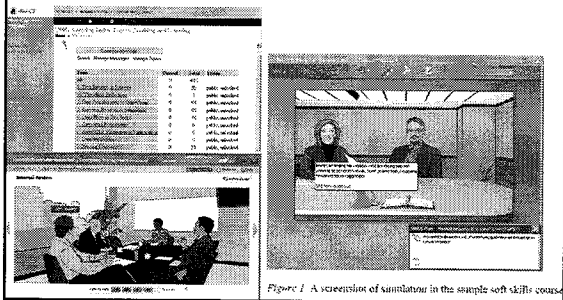


Management 101 Krispy Kreme Assistant Mgr. Training (Option Six)

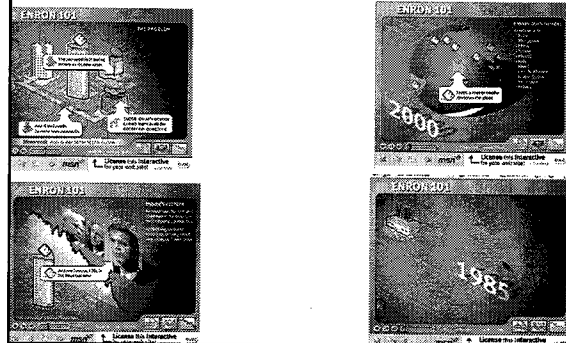
- ILT (fundamentals) -> WBT/OJT (performance) -> ILT (reinforcing performance) & Performance Support



Self-Directed Learning Autonomy: Choice:



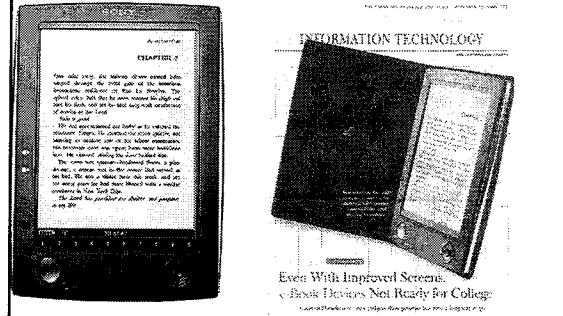
Interactive Online Stories & Flash Animation Cases



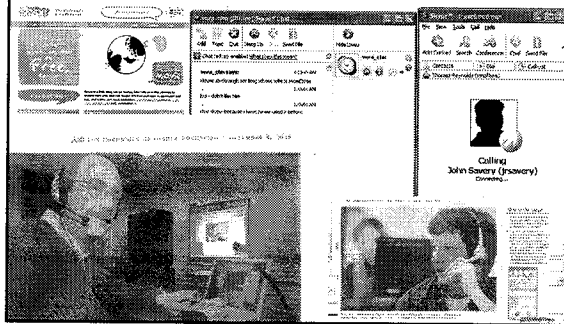
8. Mobile Learning and Portability



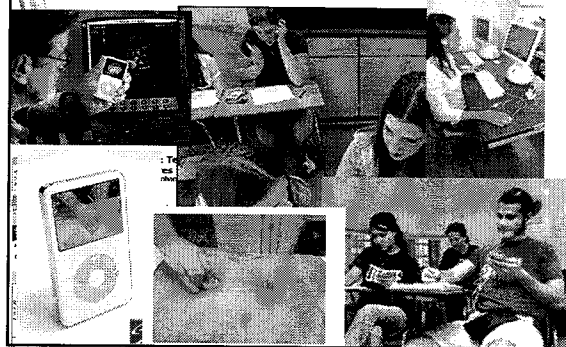
Electronic Books (e.g., The Sony Reader)



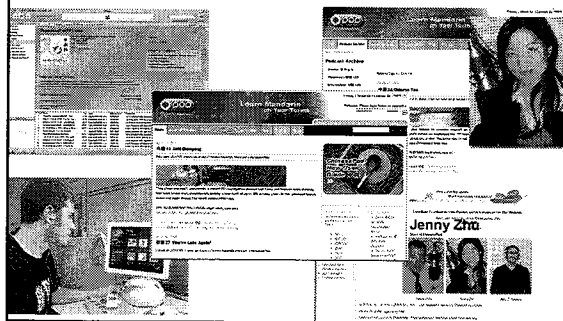
Skype: Online Phone Calls



Podcasting, Webcasting, and Coursecasting (Adam Curry; www.dailysourcecode.com)



Language Learning Online (e.g., ChinesePod—learn Mandarin)



Options: Watch, Listen, or Read Learning TRENDS by Elliott Masie - September 18, 2006.

#402 - Updates on Learning, Business & Technology.
<http://www.masie.com>

CHNY Pipeline

- On-line Video: CHNY Pipeline: Road to 2006 Georgia
- On-line Audio: CHNY Pipeline: Road to 2006 Georgia
- On-line Text: CHNY Pipeline: Road to 2006 Georgia
- On-line Images: CHNY Pipeline: Road to 2006 Georgia



Watch/download a Windows Media video

Listen to an audio stream

View a PDF text transcript

9. Personalized Learning Tools (e.g., Business Blogs)

USA TODAY Home News Travel Money

Small Business Trade Energy

GET A QUOTE: Enter symbol(s) or Keywords Digits 11.812.71

Blogs put businesses on Web search map

Updated 11/16/2006 10:00 PM ET | Email | Save | Print | Register & Post

By Jina Hopkins, USA TODAY

SAN FRANCISCO — The Web is becoming a place where small businesses can be found, thanks to a new search engine that has been designed specifically for them.

Vlogging (Video Blogging) e.g., Andy Calvin's Waste of Bandwidth

Click here to see a computer-generated version of this article

March 16, 2006

From: The Global Wifi Network

A video conversation with Andy Calvin, the founder of **Web**, at a presentation he gave at the **Business Center** on March 2, 2006.

Web is a global web network of individuals. It's a place where you can find a local or long-term web site in your neighborhood. If they choose to offer web for

Social Networking Software (Web 2.0)

STUDENTS

Oct 6, 2006 Chronicle

Corporate Social Networking

LinkedIn

Thomas Boonings

Original Member of LinkedIn

What would you like to do next?

10. Open Information Communities (i.e., Learner Generated Learning) YouTube co-founders Chad Hurley and Steven Chen

YouTube

YouTube to get ad money share

What are the most popular videos?

THIS WEEK?

Wikipedia: Participatory Learning

NEWS

Belatedly, Britannica lambastes Wikipedia findings

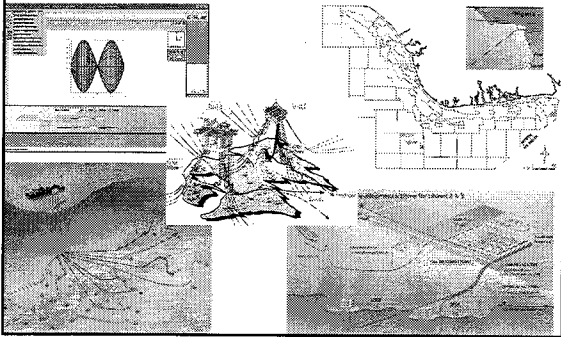
WIKIPEDIA

English: The Free Encyclopedia

Deutsch: Die freie Enzyklopädie

Português: A Enciclopédia Livre

**Exploration and Demonstration: Virtual Fieldtrip
and Tours**



The Learning World is really flat!

