Active Learning with Technology: Myths, Magic, or Just a Lot of Bonk













Professor, Indiana University
President, SurveyShare, Inc.
http://php.indiana.edu/~cjbonk
cjbonk@indiana.edu

Some Indiana Facts and Stats... (too many dropping out)

- IPS graduate rate from 28-45 percent. (IndyStar, May 16, 2005)
- "Just 326, 25 percent, of about 1,300 black males who entered IPS high schools in 1998 graduates four years later." (IndyStar, May 18, 2005)

Risky Business, Edutopia April 6, 2006, by James Daly

 Imagine that two-thirds of the packages FedEx absolutely positively promises to deliver by tomorrow morning never arrive.

 Imagine that one-quarter of all new iPods can't play music recorded after 1999.
 Imagine that Gap advertises to the masses but sells its clothes only to rich customers.

Risky Business, Edutopia April 6, 2006, by James Daly

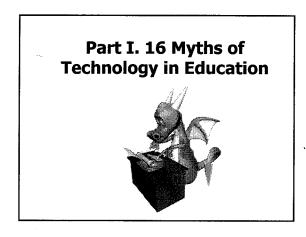
- Now you have imagined the business equivalent of the U.S. system of public ed.
- Despite being the wealthiest country on Earth, America maintains a public education system in which 30 percent of high school students don't graduate, one out of every four reads below basic grade levels, and, compared to students from more affluent backgrounds, few of their low-income counterparts are adequately prepared for college.

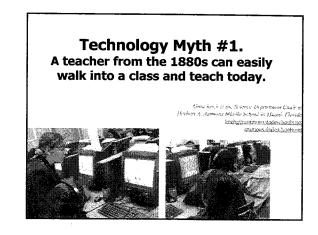
There are alternatives...!!!

"Every year, more than 20,000 students quit high school before earning a diploma...Indiana graduate rates declined from 76 percent in 1991 to 72 percent in 2002." IndyStar, May 15, 2005

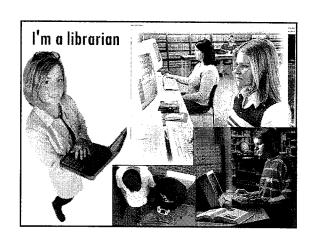
Poll #1. What are you???

- A. Teacher, teacher assistant
- **B.** Special education teacher
- C. Counselor, school psychologist
- D. Curriculum specialist
- E. Administrator, principal
- F. Dept of Education, Gov't Official
- G. Social worker
- H. Other

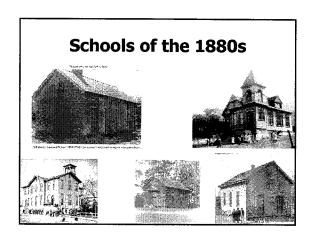


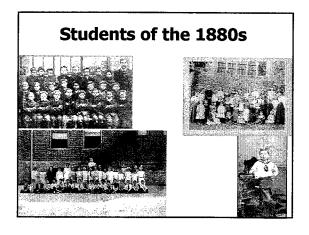




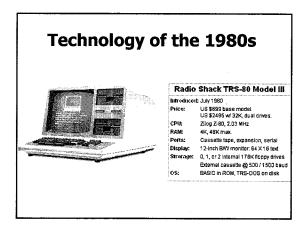




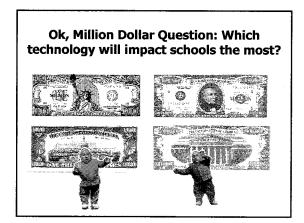








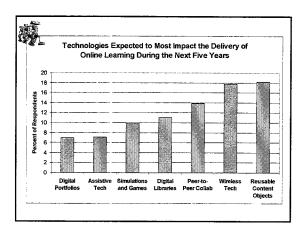




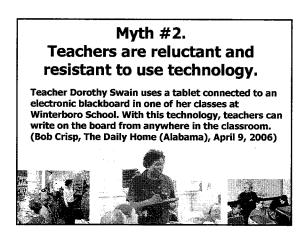
Emerging Learning Technologies

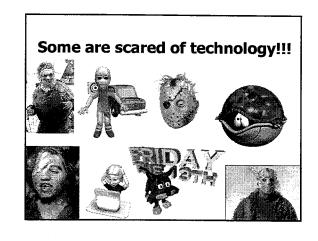
- Assistive Technologies 9. Online Translation Tools & Language Lrng
- Blogs and Online Diaries
- 3. Digital Portfolios **Electronic Books**
 - Online Communities and Learning Portals
- 6. Intelligent Agents
- Online Exams and Homework
- **Online Games and** Simulations (Massive Multiplayer Gaming)

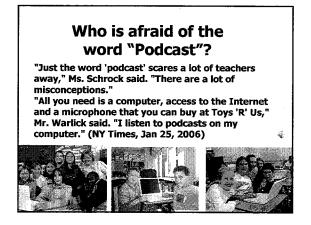
- 10. Course Management Systems
- 11. Peer-to-Peer Collaboration
- 12. Reusable Content Objects
- 13. Videostreaming, IP Videoconferencing
- 14. Virtual Worlds/Reality
- 15. Wearable Computing
- 16. Wireless Tech: Tablet PCs, Handheld Devices



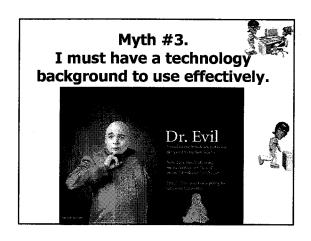


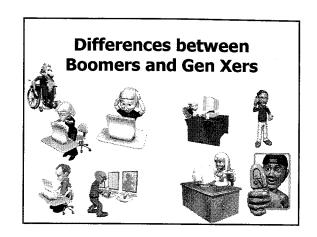






	Low Risk	High Risk		
1. Risk	4			
Easy to Embed		Extensive		
2. Time		Planning		
	Free or	Enterprise		
3. Cost h	nexpensive	Licenses		
4. Student- Centered	Instructor-Focus	Student-Focus		
	Low	High		



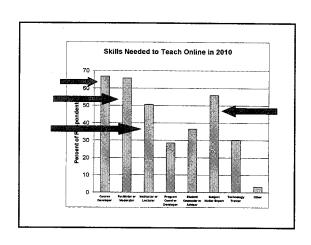


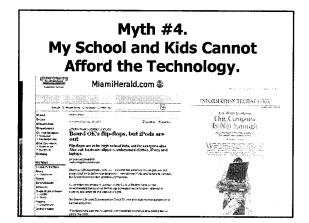
Three Most Vital Skills

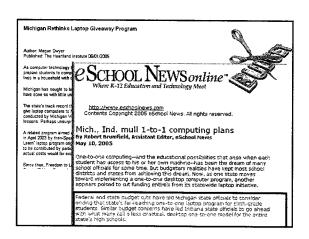
The Online Teacher, TAFE, Guy Kemshal-Bell (April, 2001)

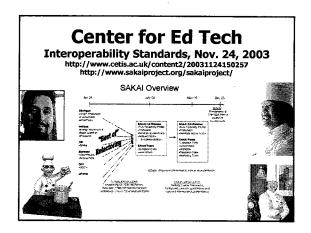
- Ability to engage the learner (30)
- Ability to motivate online learners (23)
- Ability to build relationships (19)
- Technical ability (18)
- Having a positive attitude (14)
- Adapt to individual needs (12)
- Innovation or creativity (11)

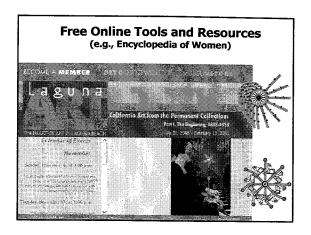


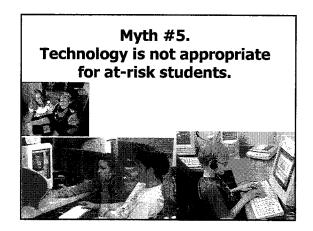


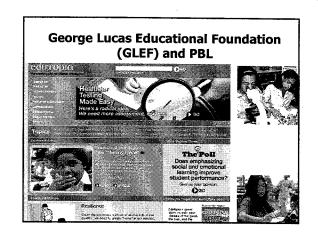


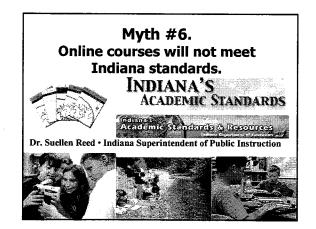


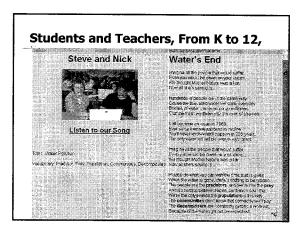


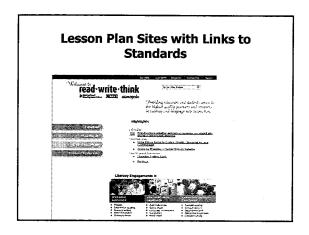


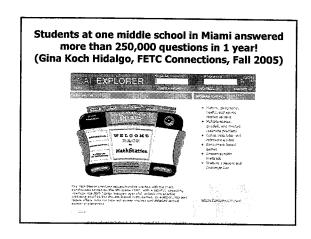


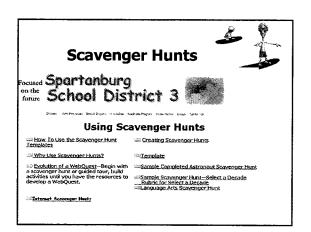


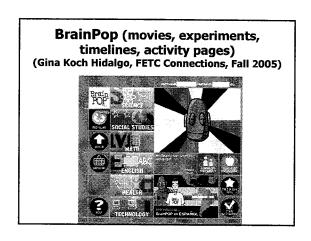


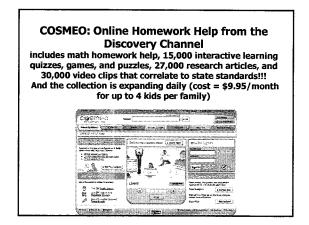


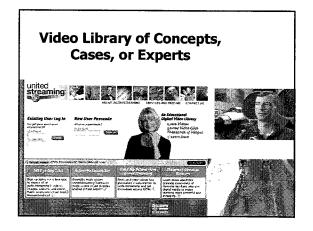




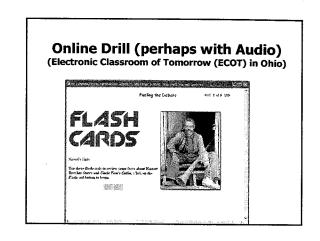


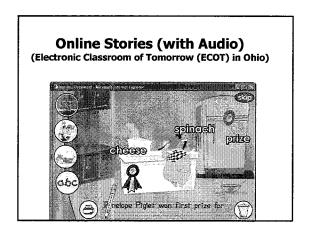


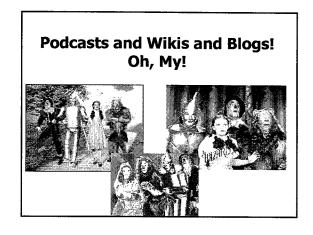




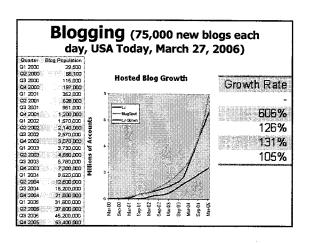
Myth #7. Online learning is boring! Retention of students is a problem!!! Boring Learning Experience. The difference.





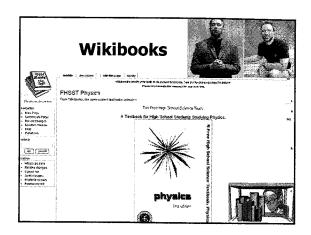






Use of Weblogs (especially English writing class)

- Instructor or Tutor blog: resources, information, space to chat Learner blog: reflections, sharing links and pics, fosters ownership of learning
- Partner blog: work on team projects or activities
- Class blog: international exchanges, projects, PBL
- 5. Revision: review and explode sentences from previous posts, add details
- 6. Nutshell: summarize themes or comments across blogs
- 7. Blog on blog: reflections on feelings, confusions, and experiences with blogs

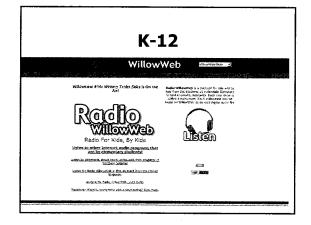


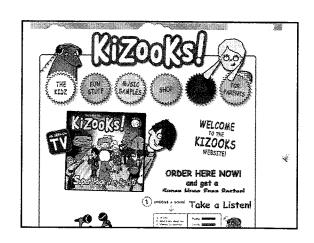


Educational Applications

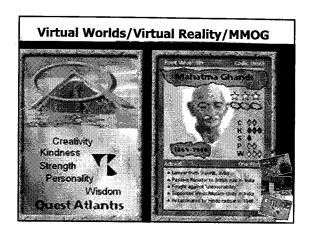
ic

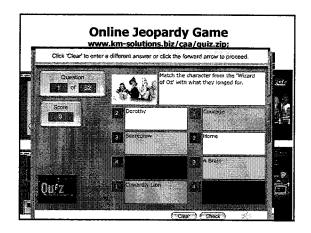
- Recordings of lectures (Coursecasting)
- Textbook text
- Student projects
- Interviews
- · Language lessons
- Oral reports
- K-12 classroom interactions
- · Downloadable library
- Recordings of performances

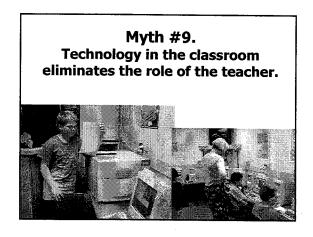




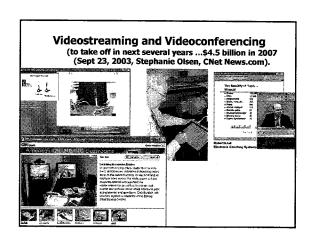




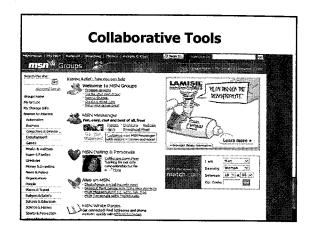


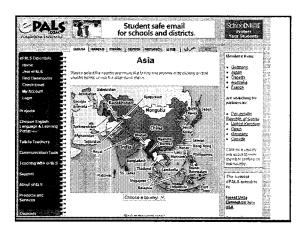


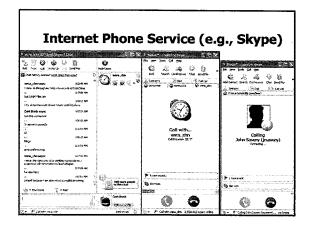


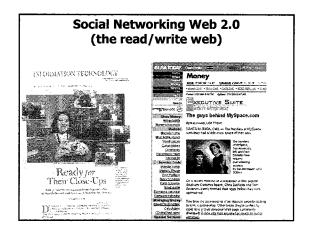


Myth #10. Online learning limits the social development of students.



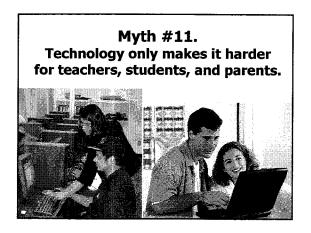


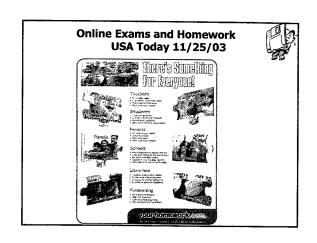


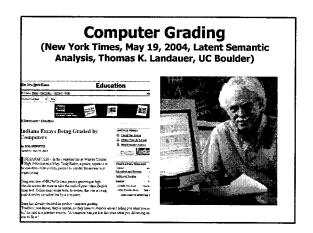


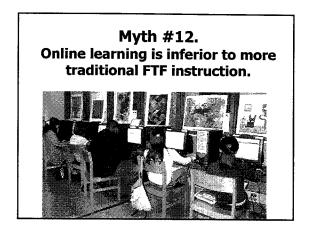
Videocasts (April 21, 2006)

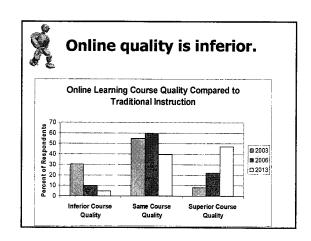
As I was drinking my coffee and reading my email this morning, I stumbled on ComVu PocketCaster. Here is a link to my blog post about it in case you haven't heard of ComVu. While there are several bells and whistles, in a nut shell it provides an incredibly simple hosted service for LIVE (yes, at the very moment) videocasting from a mobile phone for access by anyone with an Internet connection. So, now you can do on the spot Live video lectures from a mobile phone while in your car, your back deck, your beach chair...

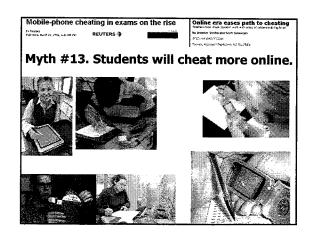


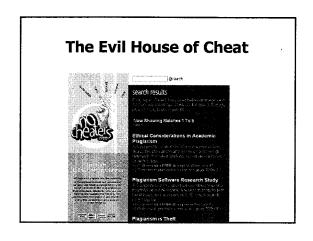


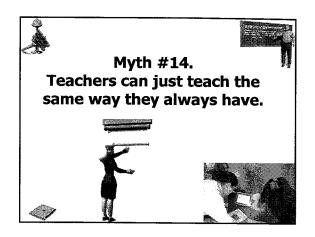


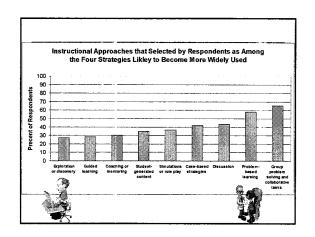




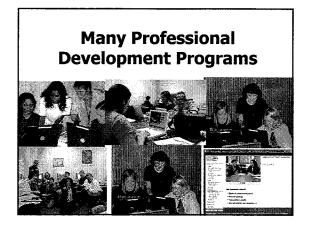


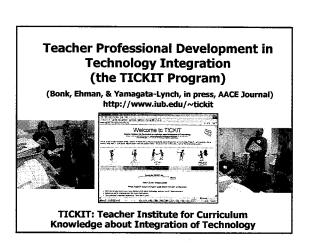




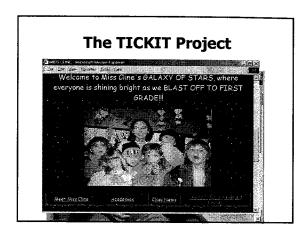


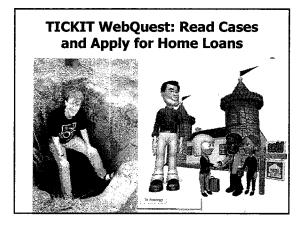






Project type	Number of projects (132)			
Webquest	64			
Electronic newsletters	1	\ Ğ		
Web editing & publishing	13	- 1		
Online conferencing, collab, and discussion (includes email and phone)	10			
Virtual tours	1			
Computer apps (Excel, PP, Word, Internet)	38			
Book review	2	A		
Brochure construction	1			
Electronic portfolio	2			





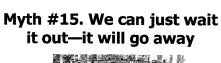
Findings								
	Means							
Factors	TICKIT Completers*	TICKIT Applicants***	t	Sig.	† Effect Size			
Technology Integration	74.05	38.25	7.663	.000***	1.8			
2. Technology Limitations	11.60**	15.79	-3.281	.002**	.6.			
3. Technology Resistance	4.37**	7.91	-3.143	.003**	.8			
4. Computer Proficiency	25.51	18.84	4.614	.000***	1.2			
5. Learner-centered Instruction	18.29	12.40	5.120	.000***	1.2			

- **P<.001; ***P<.001 *All effect sizes favor *TCKIT group *TLCower scores on factors two and three indicate more positive responses *Tt+ The 'n' for each comparison varies due to incomplete data. We used list-wise deletion of missing data (Completers n=66-77; Applicants n=18-20)

TICKIT Teacher Voices

- >"This class was very helpful. I gained a lot of confidence as a technology user from this class."
- >"The door is now open. I will continue to try to find technological ways to teach them."
- >"This was the best program I have ever been involved with as a teacher."
- >"Thank you! A poor tired out "old broad" has a new lease on teaching"











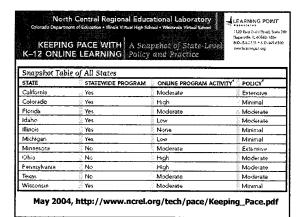
Peak Consulting, an educational consulting group, estimates: - 1 million American high school students are currently taking Internet courses in 2004-05

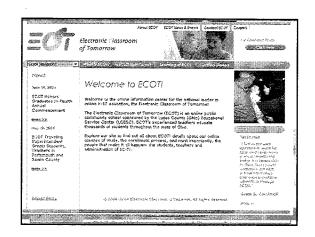
- 571,000 in 2003 378,000 in 2002 More students log on to learn, Boston.com, Peter Schworm, September 16, 2004.

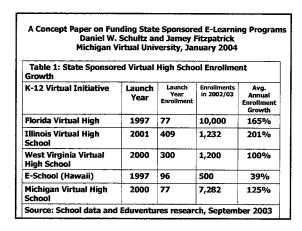


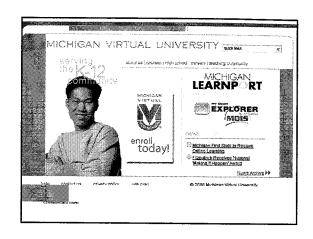
No Child Left Behind Summit,

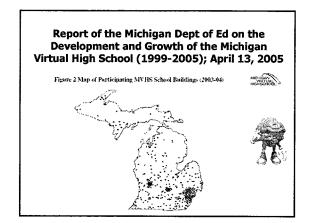
- e-Learning and Students Today: Options for No Child Left Behind Susan Patrick, Director, Office of Educational Technology, U.S. Department of Education
 http://www.nclbtechsummits.org/summit2/presentations/p_Patrick.pdf
- Reasons: Rural, medical, disabilities, at risk, work, sport, poverty, AP, supplement, catch up, summer, etc.
- · Types: Virtual charter schools, State run schools, District run, University run.

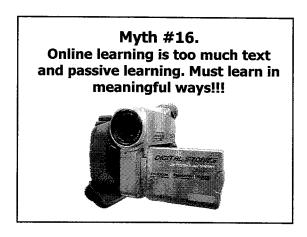


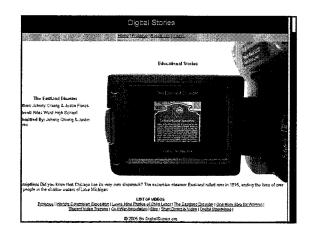


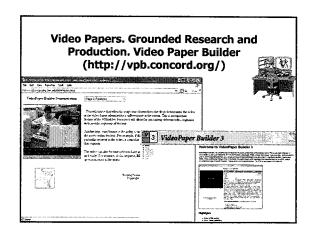


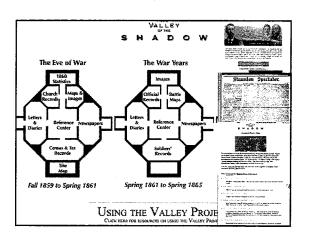


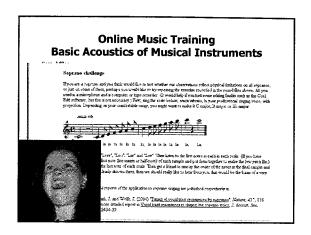


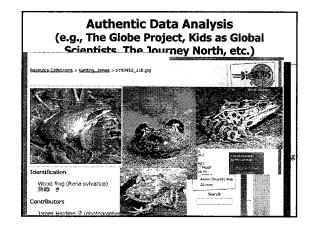


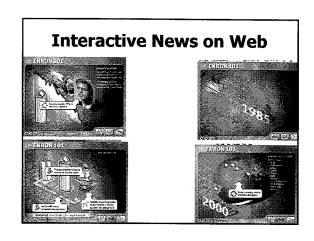


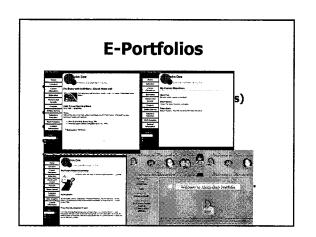


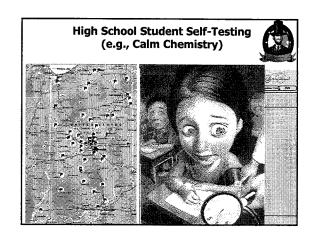




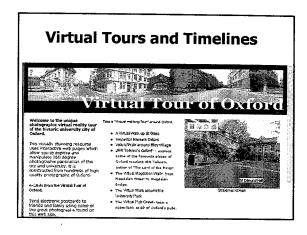


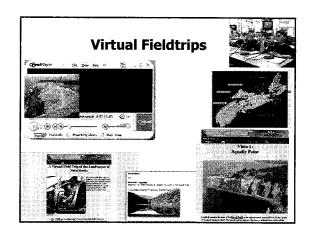


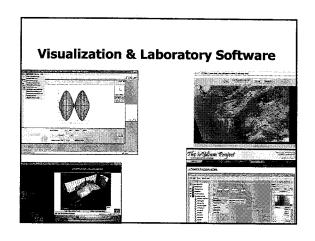


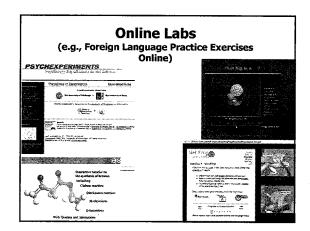






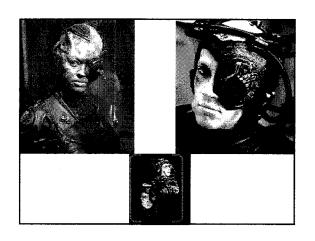






What can we say about emerging technology then???

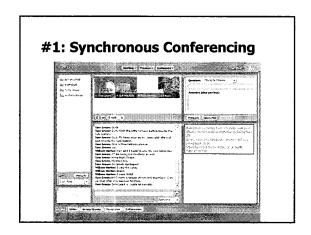
- It is everywhere!!!!!!!
- Resistance is futile!!!!!!

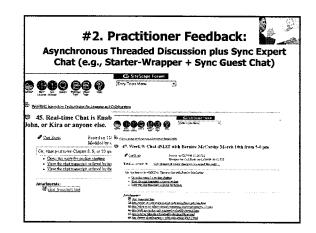


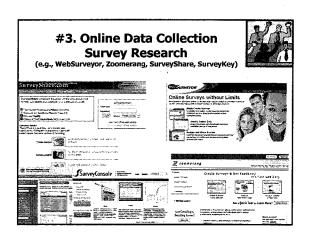


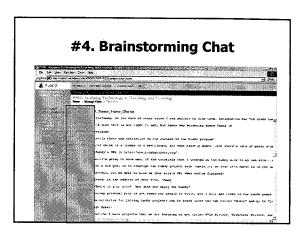


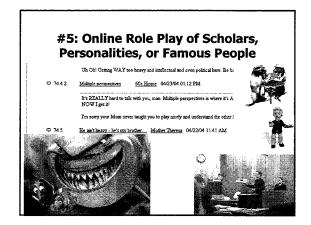


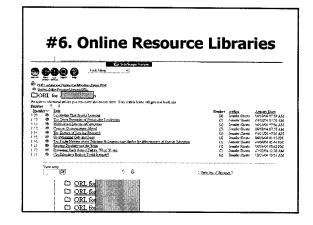


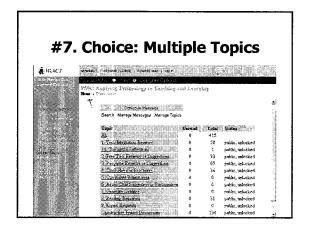


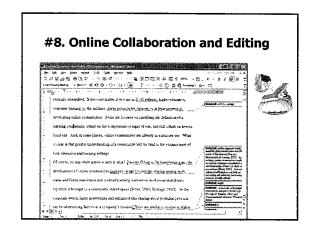














#9. Workplace and Field Reflections

- Instructor provides reflection or prompt for job related or field observations
- 2. Reflect on job setting or observe in field
- 3. Record notes on Web and reflect on concepts from chapter
- 4. Respond to peers
- 5. Instructor summarizes posts



#10. Fostering Info Exchange: Critical/Constructive Friends, Email Pals... # PART | P

| Control | Cont

1505 AMERICANS AND MAINTAIN No. 28, 2001, 19 17 1996 Emily Market (Montana), West, Mar. 28, 1001, 13 25 Areanus, Francis Market (Montana), Providental U.S. Los Blames (5/53) Tue, Proc. 26, 2003, 17 32



Poll #2: Do you think technology will change that way you teach?

- a. Yes, definitely
- b. Probably yes
- c. Maybe
- d. No
- e. Do not yet know

The End...Remember



