


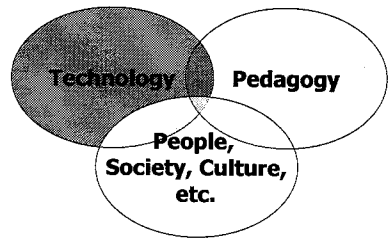


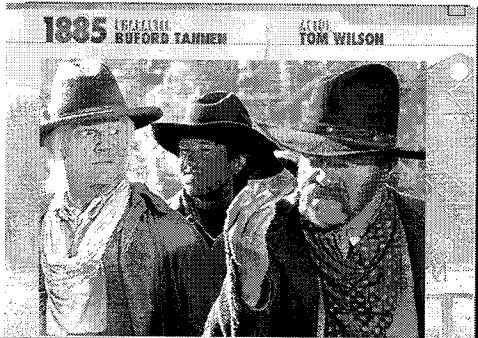
**E-Learning: It's about Nature (technology) AND Nurture (pedagogy)**  
**Curtis J. Bonk, Professor, Indiana Univ**  
 President, SurveyShare,  
 cjbonk@indiana.edu  
<http://mypage.iu.edu/~cjbonk/>

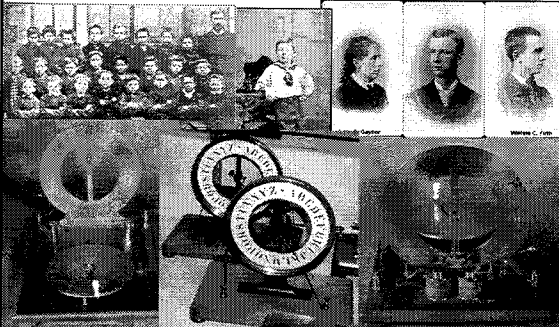
**Nature and Nurture:  
An Interactional Model**

**Technologies of 1885**



**Technologies of the 1880s?**



**Technologies of 1955**



**EXCITEMENT IN LEARNING**

**NEW...LOW COST  
Audio Visual Method  
WITH DISCUSSIONAL CONTROL**




**Dramatic NEW Teaching Aid...**

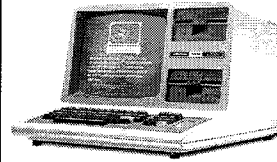


**DuKANE CORPORATION**  
 AMERICAN OPTICAL  
 OPAQUE PROJECTOR

## Technologies of 1985



## Technologies of the 1980s



### Radio Shack TRS-80 Model III

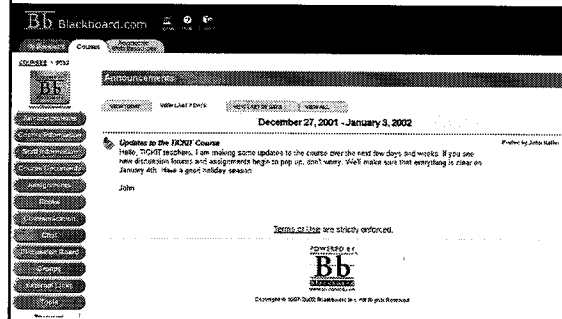
Introduced: July 1980  
**Price:** US \$699 base model  
 US \$2495 w/ 32K, dual drives.  
**CPU:** Zilog Z-80, 2.03 MHz  
**RAM:** 4K, 48K max.  
**Ports:** Cassette tape, expansion, serial  
**Display:** 12-inch BMW monitor: 64 X 16 text  
**Storage:** 0, 1, or 2 internal 176K floppy drives  
 External cassette @ 500 / 1500 baud  
**OS:** BASIC in ROM, TRS-DOS on disk



## Technologies of the 1980s



## Technologies of the late 1990s: Course Management Systems



## Technologies of the 2000's Ten Trends



## Effects of interactive multimedia in distance learning

Giti Javidi and Ehsan Sheybani, 2004, In Proceedings of the IASTED International Conference WEB-BASED EDUCATION

**"The advancement in technology is shaping every aspect of our life, including education. One decade ago, the Internet was not critical to education. However, now, it has become an integral part of learning process. Internet technology is having a dramatic effect on colleges and universities, producing what may be the most challenging period in the history of higher education."**

**Entice Students with Technology Giveaways**

**Motorola R200**, IBM® College of Digital Software and Technology at Kentville. The college gave 40 students a R200 with Prepaid Text Message in the first week.

**Gateway M275 tablet PC**, **Wisconsin State University, Mayville State University**. The schools will provide the tablet computers to full-time students who do not have laptops from previous programs.

**Blackberry 7520 PDA**, **University of Maryland**. The school has laptop banking out the wireless personal digital assistants to faculty and more than 800 incoming graduate students in the South School of Business.

**Students continue with laptops as educational tools**

**Trend #1: Blogging (75,000 new blogs each day, USA Today, March 27, 2006)**

Quarter	Blog Population
Q1 2000	29,500
Q2 2000	66,100
Q3 2000	116,000
Q4 2000	197,000
Q1 2001	352,000
Q2 2001	529,000
Q3 2001	951,000
Q4 2001	1,200,000
Q1 2002	1,670,000
Q2 2002	2,140,000
Q3 2002	2,670,000
Q4 2002	3,070,000
Q1 2003	3,730,000
Q2 2003	4,980,000
Q3 2003	5,780,000
Q4 2003	7,300,000
Q1 2004	9,620,000
Q2 2004	12,600,000
Q3 2004	16,200,000
Q4 2004	21,000,000
Q1 2005	27,600,000
Q2 2005	37,600,000
Q3 2005	45,200,000
Q4 2005	53,400,000

**Hosted Blog Growth**

**Growth Rate**

606%
126%
131%
105%

**Blogging Questions**

1. Who has a blog? Any for a specific class?
2. Who regularly reads other people's blogs?
3. Who assigns blogging tasks?
4. Who has created a video blog?
5. Who thinks it is an utter waste of time to blog?

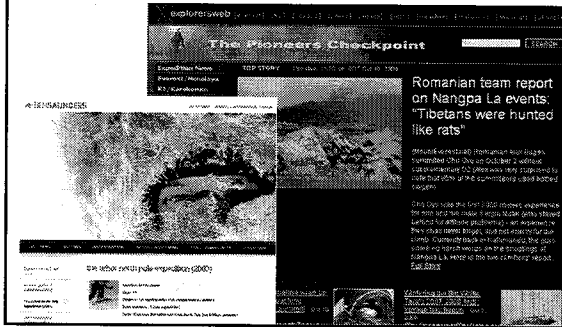
**Scholars who Blog, Chronicle of Higher Ed, (Glenn Reynolds, instapundit.com; Stephen's Web, www.downes.ca)**

**Use of Weblogs (especially English writing class)**

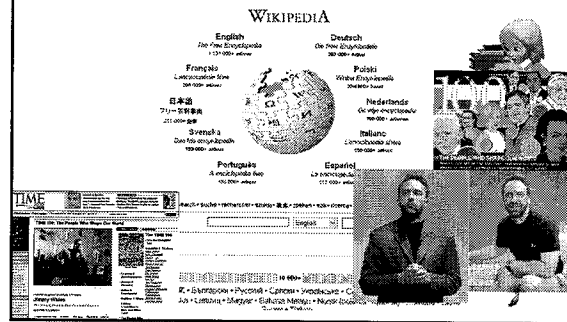
1. **Instructor or Tutor blog:** resources, information, space to chat
2. **Learner blog:** reflections, sharing links and pics, fosters ownership of learning
3. **Partner blog:** work on team projects or activities
4. **Class blog:** international exchanges, projects, PBL
5. **Revision:** review and 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

**Vlogging (Video Blogging)**

## Adventure Blogging (Ben Saunders, Mark Fennell)



## Trend #2. Wikis



## Wiki Questions

1. Who regularly reads Wikipedia articles just for fun?
2. Who regularly reads Wikibooks?
3. Who seeks Wikipedia for content?
4. Who has edited or written new articles on Wikipedia or Wikibooks?
5. Who thinks it is ok for college students to cite from Wikipedia?

## How use in teaching

1. Provide space for free writing
2. Debate course topics and readings
3. Share resources (websites, conferences, writing, etc.)
4. Maintain group progress journal
5. Require group or class essay
6. Have student revise Wikipedia pages
7. Write a wikibook

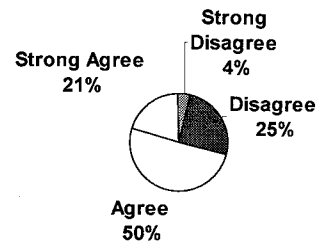
## What is a wiki?

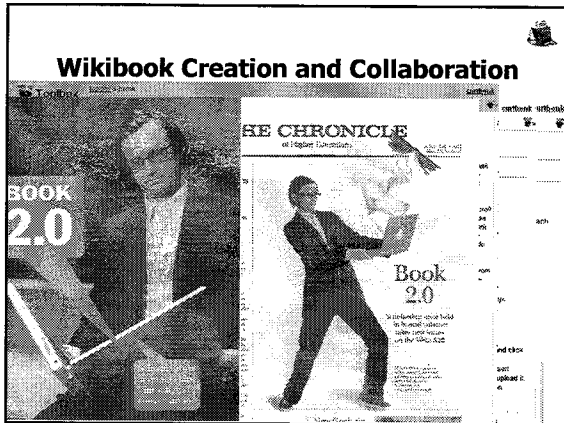
- Ward Cunningham, in 1995
- The name, wiki, is based on the Hawaiian term *wiki-wiki*, meaning "quick"
- Also for "What I Know Is"



## Wikibook Research

My recent Wikibook project was successful





### Podcast Questions

1. Who has listened to a podcast?
2. Who listens to a certain podcast on a regular basis?
3. Who has created a podcast?
4. Who has created a vodcast?
5. Who thinks podcasting is simply more talking heads?

Learning TRENDS by Elliott Masie - September 18, 2006.  
#402 - Updates on Learning, Business & Technology.  
52,889 Readers - <http://www.masie.com> - The MASIE Center.

**Fingertip Knowledge Podcast & Transcript:**  
One of my focus points these days is Fingertip Knowledge. You and I and most of our colleagues are increasingly using search engines, from Google to Corporate Intranets, to "walk" our way to the information or knowledge that we need.

The image shows a screenshot of the "Learning 2006" website. The header includes the text "Learning 2006" and "November 5 - 8 • Orlando, Florida". Below the header, there are several logos and a navigation menu. The main content area features a large image of a building and some text.

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

"Just the word 'podcast' scares a lot of teachers away," Ms. Schrock said. "There are a lot of misconceptions."  
"All you need is a computer, access to the Internet and a microphone that you can buy at Toys 'R' Us," Mr. Warlick said. "I listen to podcasts on my computer." (NY Times, Jan 25, 2006)

A collage of three photographs. The first shows a group of people sitting around a table, possibly in a classroom or meeting. The second shows a person sitting at a desk with a computer and a microphone. The third shows a person sitting at a desk with a computer and a microphone, similar to the second photo.

### Language Learning (ChinesePod—learn Mandarin)

The image shows a screenshot of the ChinesePod website. The header includes the text "Learn Mandarin on Your Terms". Below the header, there is a navigation menu and a main content area featuring a large image of a woman's face and some text. The text includes the name "Jenny Zhu" and a quote about learning Mandarin.

