


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



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**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**

http://www.edutopia.org/magazine/ed1/article.php?id=Art_1497&issue=apr_06

- 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**

http://www.edutopia.org/magazine/ed1/article.php?id=Art_1497&issue=apr_06

- 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???

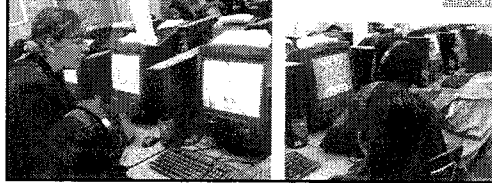
- Teacher, teacher assistant
- Special education teacher
- Counselor, school psychologist
- Curriculum specialist
- Administrator, principal
- Dept of Education, Gov't Official
- Social worker
- Other

Part I. 16 Myths of Technology in Education

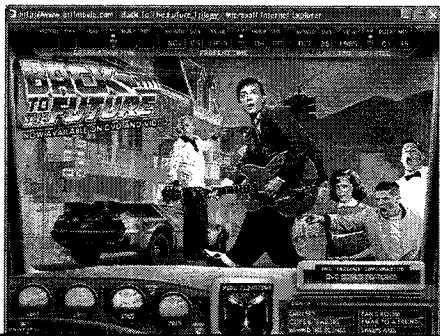


Technology Myth #1. A teacher from the 1880s can easily walk into a class and teach today.

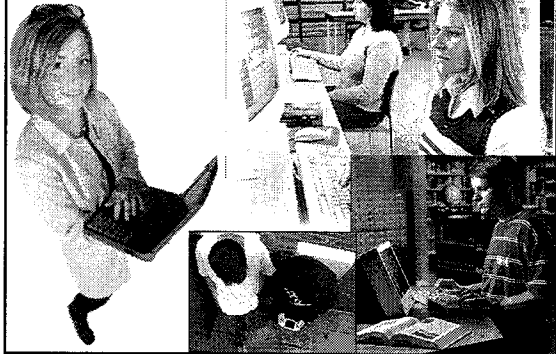
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1955



I'm a librarian

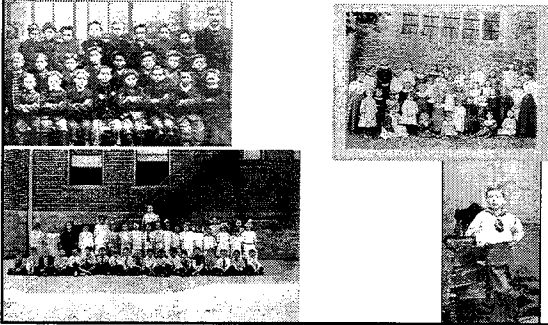


<p>1885</p> <p>CHARLES RICHARD GAMMEL</p> <p>OTTO TOM VIKARON</p>	<p>1955</p> <p>STEP SAMMY...</p> <p>TOM VIKARON</p>
<p>1985</p> <p>GEORGE JEFFY</p> <p>KEVIN CEPHIN GLOVER</p>	<p>2015</p> <p>DR. DANIEL L. BROWN</p> <p>CHRISTOPHER LEOTE</p>

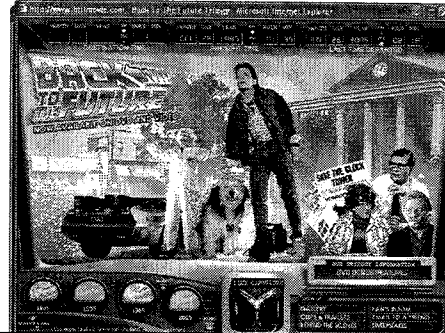
Schools of the 1880s



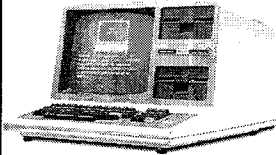
Students of the 1880s



1985



Technology of the 1980s



Radio Shack TRS-80 Model III

Introduced: July 1980
 Price: US \$699 base model
 US \$7495 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 178K floppy drives
 External cassette @ 500 / 1500 baud
 OS: BASIC in ROM, TRS-DOS on disk

Technology of the 1980s

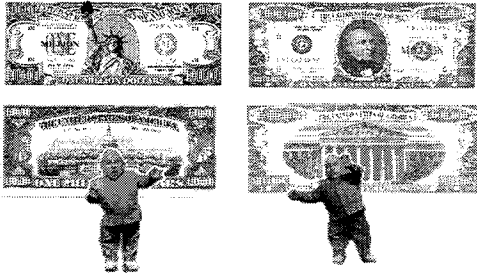


Apple I

Apple III

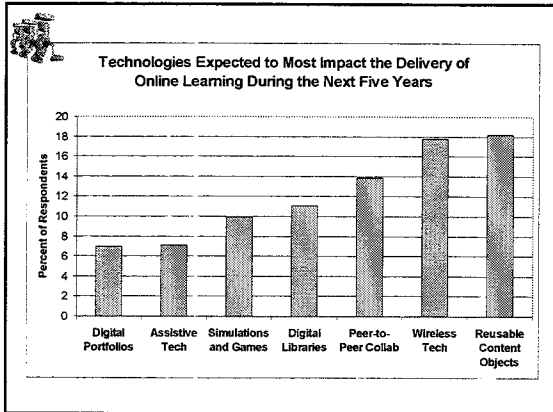
Basis 108

Ok, Million Dollar Question: Which technology will impact schools the most?



Emerging Learning Technologies

1. Assistive Technologies & Talking Computers
2. Blogs and Online Diaries
3. Digital Portfolios
4. Electronic Books
5. Online Communities and Learning Portals
6. Intelligent Agents
7. Online Exams and Homework
8. Online Games and Simulations (Massive Multiplayer Gaming)
9. Online Translation Tools & Language Lrng
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



Wireless Technology

MOST (UN)WIRED SCHOOLS?
 CHET and U.S. News and World Report got the top 50 universities' tech specs and asked them which computers they recommended to students and faculty.
[Click here to view](#)

Breaking the Hand-Torn Eduparadise

Handheld Computing

Myth #2. Teachers are reluctant and resistant to use technology.

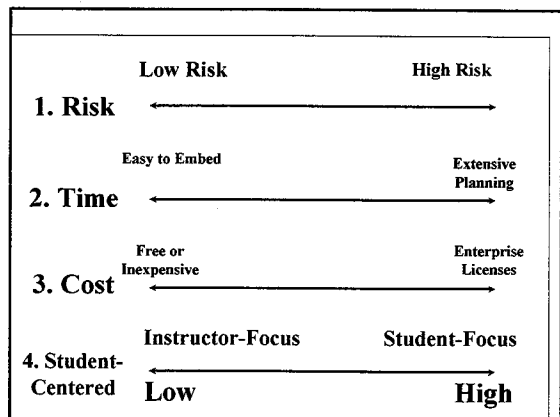
Teacher Dorothy Swain uses a tablet connected to an electronic blackboard in one of her classes at Winterboro School. With this technology, teachers can write on the board from anywhere in the classroom. (Bob Crisp, The Daily Home (Alabama), April 9, 2006)

Some are scared of technology!!!

FRIDAY 13th

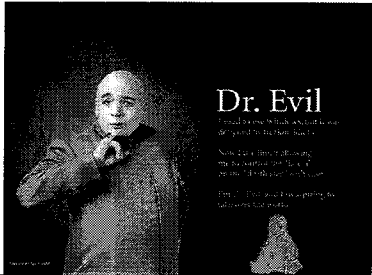
Who is afraid of the word "Podcast"?

"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)



Myth #3.

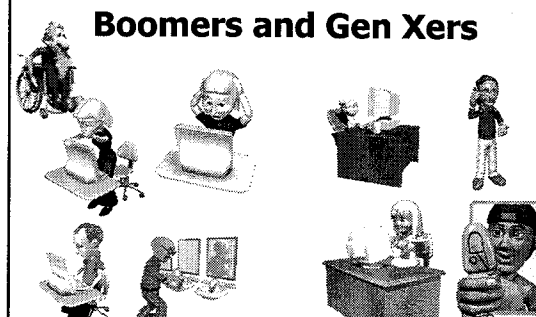
I must have a technology background to use effectively.



Dr. Evil
Fred Stone with an illustration by Richard Dyer

Not a computer whiz? No problem. This is a book for you. It's a guide to using technology in the classroom. It's a guide to using technology in the classroom. It's a guide to using technology in the classroom.


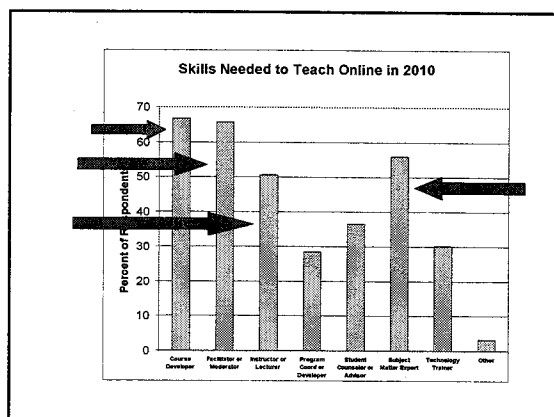
Differences between Boomers and Gen Xers



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 #4.


My School and Kids Cannot Afford the Technology.

MiamiHerald.com

Board OK's flip-flops, but iPods are out

Flip-flops are in the high school kids, and for everyone else. Also out: cell phones, MP3 players, iPods, and laptops.

Info Not Enough



Michigan Rethinks Laptop Giveaway Program

Author: Megan Dwyer
Published: The Heartland Institute 06/01/2005

As computer technology prepares students to compete in a household with...

Michigan has sought to have done so with little success.

The state's track record to give laptop computers to students is not good.

<http://www.eschoolnews.com>
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Mich., Ind. mull 1-to-1 computing plans
By Robert Brunfield, Assistant Editor, eSchool News
May 10, 2005

One-to-one computing—and the educational possibilities that arise when each student has access to his or her own machine—has been the dream of many school officials for some time. But budgetary realities have kept most school districts and states from achieving the dream. Now, as one state moves toward implementing a one-to-one desktop computer program, another appears poised to cut funding entirely from its statewide laptop initiative.

Federal and state budget cuts have led Michigan state officials to consider ending that state's far-reaching one-to-one laptop program for sixth-grade students. Similar budget concerns have led Indiana state officials to go ahead with what many call a less-ambitious, desktop one-to-one model for the entire state's high schools.

