

WebCT 2005

Blogs, Borgs, or Just a Lot of Bank: Online Learning from Out of this World

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Let's Start With 10 Mini (Me) Myths of e-Learning...

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Myth #1. We can just wait it out—it will go away

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THE NUMBERS ALONG MEMORY LANE

- 1994:**
 - 35 million Internet users; 3,000 Web sites worldwide; 35% of U.S. accounts wired
 - GPS satellites fully functional
 - Web grows at a 341,534% annual rate
- 1995:**
 - eBay and Yahoo founded
 - The first macro virus is discovered in a Word document.
- 1996:**
 - The number of Net hosts exceeds 9 million.
- 1997:**
 - 71,516 Usenet newsgroups.
- 1998:**
 - Google officially opens its doors, about two years after founder Larry Page and Sergey Brin begin developing a search engine.
- 1999:**
 - Online retailers register \$5.3 billion in sales
- 2000:**
 - 304 million people have access to the Net.
- 2001:**
 - 30 million Web sites exist.
 - Chrome bin Laden No. 1 searched on Google in October.
 - Apple unveils the iPod.
- 2002:**
 - Verizon launches first high-speed 3G cell network.
 - Friendster social networking site founded.
- 2003:**
 - Wal-Mart tells its suppliers to put RFID tags on all pallets by 2005.
 - Hotmail-Peacock ships 1 million digital cameras each quarter, double the previous year.
- 2004:**
 - One million BlackBerry e-mail devices sold.
 - Google indexes 4.2 billion Web pages.
 - 800 million Internet users; 100 million songs downloaded from iTunes; 99% of U.S. public schools wired.

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Demand for Internet in US

Always online -- and always talking
When three days without a word in an assembly

Difficulty in disconnecting
As technology continues to enhance the lives of young adults, some are choosing to unplug from the Internet and other high-tech gadgets. Critics say it would be hard to disconnect.

Percentage who say it would be "very hard" to give up...

Young Tech	Other wired	Wired Gen-Zers
85%	74%	67%

Source: Pew Center & American Life Project

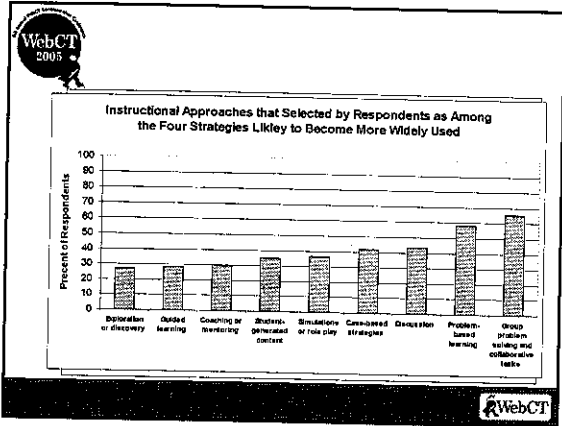
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Generation Raised on the Internet Comes of Age, MSNBC, Dec. 13, 2004, Martha Irvine

- For 21-year-old William Herbert, the Internet has replaced newspapers and TV weather reports (he visits **Weather.com** every morning). He pays his bills online, registers for classes, books airline and train tickets, checks TV listings, buys movie tickets and gets travel directions.

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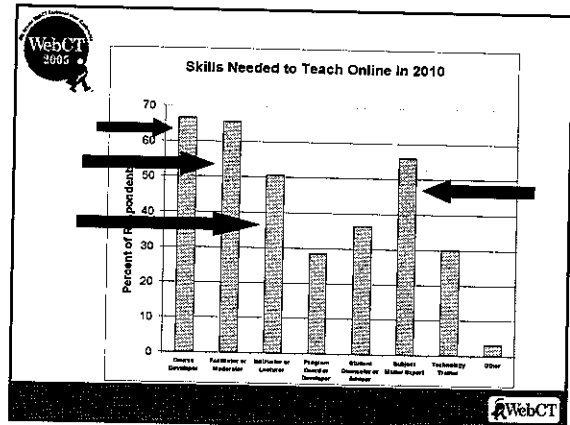
Ok, Million Dollar Question: What can you do differently online?

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Myth #3. I must have a technology background to use effectively.

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Myth #4. My school or university cannot afford the technology.

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Moodle and Nicenet are Free!

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Center for Ed Tech Interoperability Standards, Nov. 24, 2003
<http://www.cetis.ac.uk/content2/20031124150257>
<http://www.sakaiproject.org/sakaiproject/>

SAKAI Overview

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Myth #5.
Learning is not improved when using technology.

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Brains Before and After e-Learning

Before **After**

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Learning Improved...
 (review by Chang, 2003)

- Online outperformed peers in histology (anatomy—plant and animal tissues under microscope) (Shoenfeld-Tacher et al., 2001).
- Intro to Psych: Lecture vs. Online; Online performed better on midterms (Maki, 2000).
- Web enhancements raised exam performance, grades, & attitudes toward economics (Agarwal & Day, 1998).
- Online business communications students performed better on final exams than on campus (Tucker, 2000).

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Myth #6. Online is Easy
 Student comments from "The Online Teacher," TAFE, Guy Kemshel-Bell (April, 2001)

- ✓ **Positive Side: intense, challenging, emotional, dynamic, addictive, fun, stimulating, flexible, empowering, intellectually stimulating.**
- **Less-Positive Side: Time-consuming, frustrating, little feedback, isolating, bewildering, a lot to grapple with.**

Professors say: exciting, fun, challenging, demanding, time consuming

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Ideal Student and Instructor Education Week, May 9, 2002. p. 16

Student: Mature, independent learner.


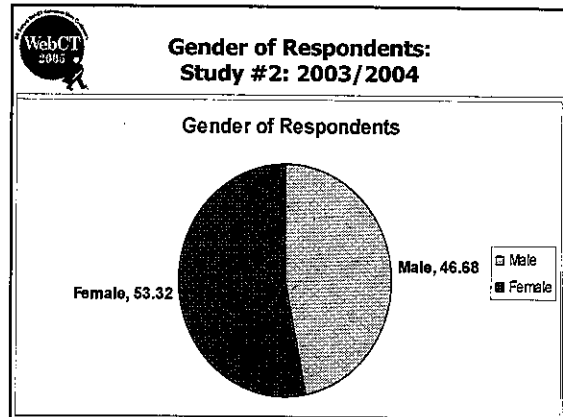
Instructor: Flexible, enthusiastic, patient, innovative, creative, provide prompt feedback, builds communities, hard working, facilitate, motivate, support, engage, responsive, planful, etc.

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Myth #7.


More males teaching online than females.

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Myth #8.

There are no models or best practices for teaching with technology.





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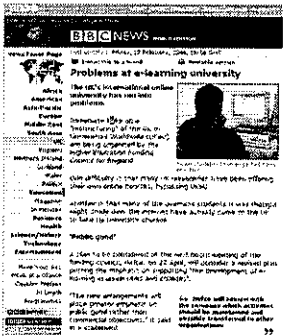
Myth #9.

Everyone is making money in e-learning; no one is making money in e-learning.





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Problems in the UK???



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"Hasta la vista, baby!" 

THE CHRONICLE BY MARGARET MCGEE
Information Technology

From the issue 46-6 January 22, 2004

http://chronicle.com/archive/2004/01/22/040122a011.html

Cuts Threaten U. of Calif.'s Online Help for High-School Students

By DAN GARDINALE

Looming state-budget cuts may eliminate an online program run by the University of California at Santa Cruz that provides college courses to California high-school students.



The program, which is five years old, offers advanced-placement, honors, and college-preparatory courses to more than 5,000 high-school students across the state via distance education. Most of the students are from low-income areas.

But the program may not survive Gov. Arnold Schwarzenegger's push for across-the-board spending cuts to rein in massive state deficits. If the cuts aren't revoked, university officials say, the online program will have to be axed in the middle of the semester.

In late December the governor announced that he was making midyear cuts of \$29.9 million in the University of California system's \$2.9-billion budget, as well as cuts in other state programs. The cuts include the elimination of an outreach program that encompasses the \$4.2 million online program at Santa Cruz.


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Myth #10.
College instructors and trainers are loyal.

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Interested in Freelance Instruction? (2001 & 2004 Study)

Do You Plan to Teach as a Freelance Instructor in the Future (blended or fully online) 

Response	Percent of Respondents
no	38
yes	62



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You are the best Mini Me!

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Did he say chocolate?


Who wants some chocolate???

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Question: What are your mini myths of e-learning???

Share with the person next to you...



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**Ok, that is 10 myths!
Who is falling asleep and needs a
little chocolate?**

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Brief Intermission

Please Share

10 Wizardly Predictions

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**Why not consult the
inventor of the Internet?**



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**I thought I would get some directions
from the Catalog of Tomorrow?**



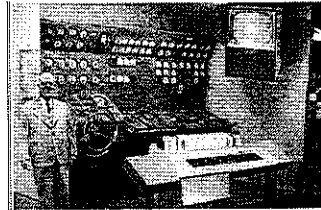
2004 Survey Information

Sent to MERLOT.org members on last week of November, 2003 to January 22, 2004

- Received 562 respondents
- 53.32% female; 46.68 male
- 68% lecturers and professors
- 28% administrators or tech support
- 50% public colleges; 17% private; 23% community colleges; 3% online colleges



1950s Photo of Rand Corporation Prediction of the home computer in 2004



A Rand Corporation RAND Corporation report predicted that by 2004 a home computer would be available to every family. The computer would be used for a wide range of activities, including education, business, and entertainment. The report also predicted that the computer would be used for a wide range of activities, including education, business, and entertainment. The report also predicted that the computer would be used for a wide range of activities, including education, business, and entertainment.

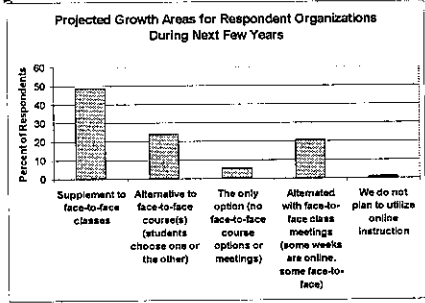
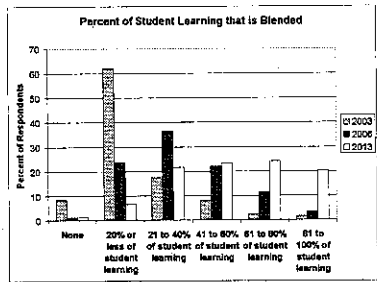
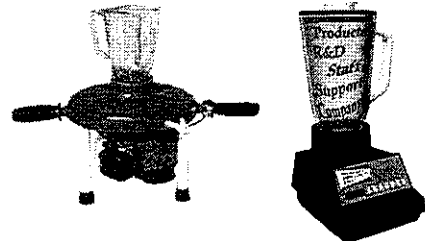


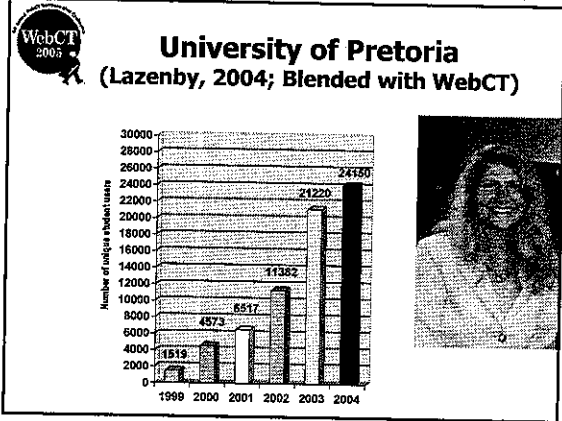
Ten Trends for Future of Online Learning

1. Blended Learning is All Learning
2. Enrollments in Certificates & Short Programs Inc. Focus on Instructor Training & Rewards
3. Global Online Teacher Ratings
4. Online Collaboration and Virtual Teaming
5. Reality Teaching & Learning, Not Reality TV
6. Increasing Cheating Online
7. Course Quality Issues Become Pervasive
8. Novel Educational Partnerships Emerge
9. Educational Technology Outpaces Theory



Trend 1. Blended Learning is All Learning

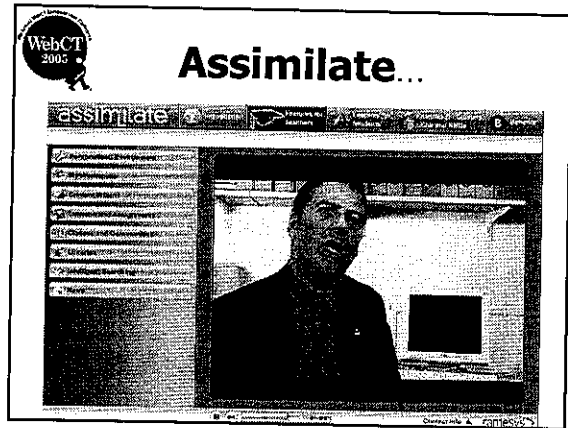




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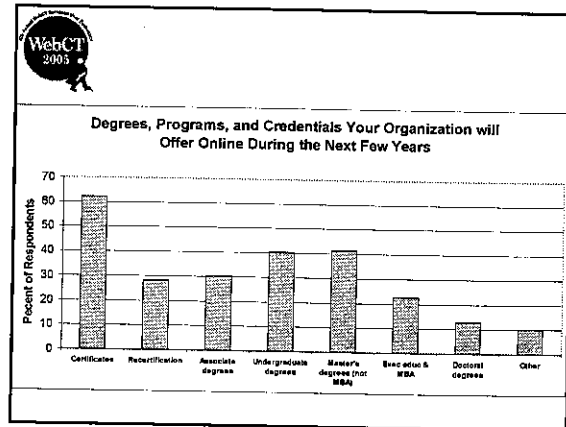
What can we say about blended learning then???

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



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Trend 2. Enrollments in Certificates and Short Programs



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SUNY Learning Network
 (Peter Shea; Director: SUNY Learning Network, May 24, 2004, Peter.Shea@sln.suny.edu)

Growth in Degree Programs

Year	Certificates	Associate	Bachelor's	Credit in Degree	Total
95-96	5	10	5	0	20
96-97	5	10	5	0	25
97-98	5	10	5	0	30
98-99	5	10	5	0	35
99-00	5	10	5	0	40
00-01	5	10	5	0	45
01-02	5	10	5	0	50
02-03	5	10	5	0	55
03-04	5	10	5	0	60
04-05	5	10	5	0	70

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Trend 3: Increased Focus on Teacher Training and Rewards

Copella

Content for a self-paced initial assessment...

Content University of WI... 005... content, as well as... content, and... content... degree program in the area of... content... as well as... content...

Hourly Rate of a Self-paced Course

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Online Teaching Certificates

- University of Wisconsin:
 - 12-18 month self-paced certificate program, 20 CEUs, \$2,500-\$3,185
 - Integrates into practical experiences
 - Cater to busy working professionals
 - Open enrollment and self-paced
- Illinois Online Network's (ION) "Master Online Teacher"
 - 4 core courses, 1 elective course, plus a supervised practicum

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Factors Most Significantly Impacting Success of Online Programs in Next Few Years

Factor	Percent of Respondents
Joining a consortium	2
Improvements in technologies	11
Marketing	9
Mastery support	25
Instructor pedagogical competency	23
Rigorous accreditation process	8
Instructor technical competency	16
Other	7

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Typical Online Instructor Training in the Year 2010

Training Type	Percent of Respondents
Little or no training	18
Extensive internal training	52
Extensive external training	18
Specific teaching degrees	8
Other	6

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Trend 4: Global Online Teacher Ratings

Refer a Friend

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Trend 5: Growing Importance of Online Collaboration and Virtual Teaming

Area where Most Significant Pedagogical Improvements will Occur During the Coming Decade

Area	Percent of Respondents
Online collaboration and virtual learning	38%
Creative thinking and idea generation	10%
Critical thinking and idea evaluation	22%
Business motivation and engagement	22%
Other	8%

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Name	Teacher	Subject	Topic/Lesson Title	Goals
Justin M. New	Technology Education	The Physics of Total Total	1-3	
Anna C. Smith	Social Studies	Transforming lesson about life changes	1-2	
Mark H.	Algebra	Helps or group work to their own algebra to evaluate the factoring process.	1-10	
Carl H.	Geometry	Problems solving in team work by using theorem and axioms	1-11	
Paul C.	Geometry	Developing Mathematical Concepts through Technology	1-11	
Sam T.	Chemistry	Determining Acids & Bases	11-12	

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Are Diverse Student Needs Being Met?

Learning Styles Address by Online Learning in 2003, 2006, and 2013

Learning Style	2003	2006	2013
Hands-on or Tactile Learners	15%	20%	30%
Reflective or Observational Learners	25%	30%	35%
Verbal or Auditory Learners	20%	25%	30%
Visual or Nonverbal Learners	35%	40%	45%

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Trend 6: Reality Teaching and Learning

(Andrew Revkin, New York Times, May 25, 2003)

INTERACTIVE FEATURE

On Top of the World
REPORT FROM THE NORTH POLE

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1. Blogs (diaries, writing)

Number of Hosted Blogs Created, by Age, 2003

Age Group	Blogs created	% of blogs created
10-12	53,300	1.3%
13-19	2,120,000	51.5%
20-29	1,620,000	39.6%
30-39	241,000	5.8%
40-49	41,700	1.0%
50-59	18,500	0.4%
60-69	12,900	0.3%
Total	4,120,000	100%

Source: Perseus Development Corporation, October 2003
05/03/04/007 ©Marketplace, Inc. www.marketplace.com

Perseus projects that there will be over 5 million blogs by the end of this year, and over 10 million by the end of 2004. The National Institute for Technology and Liberal Education (NTLE) estimates that there were roughly 1.3 million blogs worldwide as of last month.

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Blogs for Adventure Learning

15 Below
2003 North Pole Diving Expedition

mares
JUST ADD WATER

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North Pole Marathon (April 10, 2004)




Several participants for the North Pole Marathon and 7500 miles was a celebration of the 100th anniversary of the North Pole Marathon, a great feat of human endurance. The race was held on the 10th of April 2004 and the race started in the town of North Pole, Alaska. The race was held in a beautiful setting, with snow-capped mountains and a clear blue sky. The race was held in a beautiful setting, with snow-capped mountains and a clear blue sky. The race was held in a beautiful setting, with snow-capped mountains and a clear blue sky.

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1	Jason Farris	USA	3:43:17
2	Scotty Parsons	USA	3:50:49
3	Michael Paul Smith	USA	4:24:57
4	David Williams	USA	6:32:30
5	Michael Smith	USA	6:39:31
6	Alan Edwards	USA	6:40:20
7	David Smith	USA	6:51:49
8	Paul Edwards	USA	7:47:52
9	Michael Smith	USA	7:57:52
10	Mark Adams	USA	8:51:48
11	John O'Connell	USA	9:51:48
12	Mark Adams	USA	9:51:48
13	John O'Connell	USA	9:51:48
14	Mark Adams	USA	9:51:48
15	John O'Connell	USA	9:51:48

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1. Blogs (diaries, writing)



Blog reading explodes in America

Americans are becoming avid blog readers, with 27 million expected to read blogs in 2005, according to new research.


The survey, conducted by the Pew Research Center, shows that 27 million Americans are expected to read blogs in 2005, up from 17 million in 2004. The survey also found that 12% of Americans have posted comments on blogs, and 38% have heard about blogs.

Some of the reasons for the increase in blog reading include the ease of access to information, the ability to connect with others, and the fact that blogs are often written by people who are passionate about their subjects.

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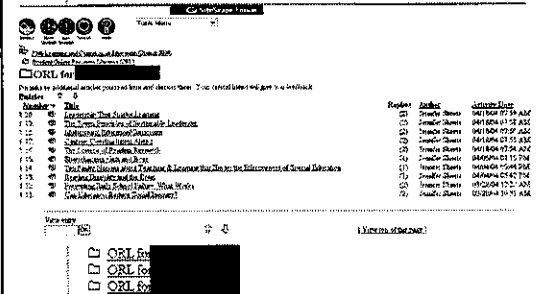
Importance of Blogs

- Blog readership has shot up by 58% in 2004
- Eight million have created a blog
- 27% of online Americans have read a blog
- 5% use RSS aggregators to get news and other information
- 12% of online Americans have posted comments on blogs
- Only 38% of online Americans have heard about blogs



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2. Online Resource Libraries



Online Resource Libraries


Library Name	URL	Accession Number
1	Library of Congress	941 600 07 19 436
2	British Library	941 600 07 19 436
3	Internet Archive	941 600 07 19 436
4	Project Gutenberg	941 600 07 19 436
5	Open Library	941 600 07 19 436
6	Internet Archive	941 600 07 19 436
7	Project Gutenberg	941 600 07 19 436
8	Open Library	941 600 07 19 436
9	Internet Archive	941 600 07 19 436
10	Project Gutenberg	941 600 07 19 436
11	Open Library	941 600 07 19 436
12	Internet Archive	941 600 07 19 436
13	Project Gutenberg	941 600 07 19 436
14	Open Library	941 600 07 19 436
15	Internet Archive	941 600 07 19 436
16	Project Gutenberg	941 600 07 19 436
17	Open Library	941 600 07 19 436
18	Internet Archive	941 600 07 19 436
19	Project Gutenberg	941 600 07 19 436
20	Open Library	941 600 07 19 436

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3. Digital Movies of Campus Life

Ah, Shoot

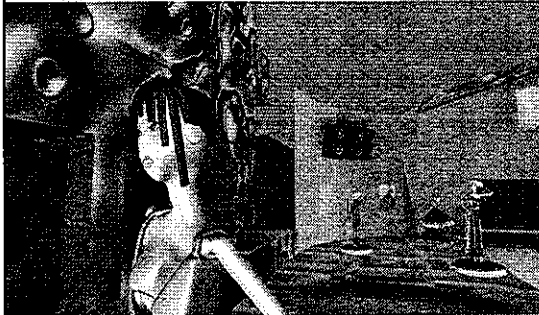
Frederick is the first of his kind. A digital video camera. Black and white. The camera is a small, portable device that can be used to capture digital video footage. It is a great tool for students who want to create digital movies of campus life.



The camera is a small, portable device that can be used to capture digital video footage. It is a great tool for students who want to create digital movies of campus life. The camera is a small, portable device that can be used to capture digital video footage. It is a great tool for students who want to create digital movies of campus life.

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4. Online Performance



Online Performance

Online performance is a new way for students to showcase their talents. It allows students to perform their music, dance, or theater pieces in a virtual environment. This is a great way for students to gain experience and feedback on their performances.

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5. Real-time Cases

REALTIME 06:58 31/03/05

Supercharging the case method, making it more realistic and engaging

Professor John Thomas
Dean, Professor of 2001 (University of Manchester, London)

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6. Online Role Play

Assume Persona of Scholar

- Enroll famous people in your course
- Students assume voice of that person for one or more sessions
- Post a 300-700 word debate to one or more of the readings as if you were that person. Enter debate topic or Respond to debate topic
- Respond to reading reflections of others or react to own

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7. Simulations and Games (e.g., National Budgets)

The National Budget Simulation

Your New Budget

Budget Totals

Old budget was \$274.74 billion
(\$279.28 billion in spending, \$44.54 billion in tax revenues and surpl.)

New budget is \$238.47 billion
(\$233.98 billion in spending, \$4.49 billion in tax revenues and surpl.)

You have increased the deficit by \$35.27 billion.

Your new deficit is \$41.73 billion.

Spending

- Other/Other
- State
- Social Security
- Medicare
- Medicaid
- Social Security Administration
- Defense
- Education

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8. Virtual Surgery

Leicester University

OCTOBER 1998

WORLD'S FIRST VIRTUAL AUTOPSY WEBSITE AT UNIVERSITY

LETIN

Virtual Autopsy

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Trend #7: Increasing Focus on Online Cheating

(Jan, 2002, Phillip Long, Plagiarism: IT-Enabled Tools for Deceit?)

- <http://www.academictermpapers.com/>
- <http://www.term papers-on-file.com/>
- <http://www.nocheaters.com/>
- <http://www.cheathouse.com>
- <http://www.realpapers.com/>
- <http://www.pinkmonkey.com/>

("you'll never buy Cliffnotes again")

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Sample Paper Assistance (i.e., Cheating) Sites

search results

New Showing Metrics: To G

Ethical Considerations in Academic Plagiarism

Plagiarism Software Research Study

Plagiarism is Theft

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No tests, books, or classes to ever go to!
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Plagiarizing Plagiarism
(June 8, 2003; Dartmouth Review)

- "Michael Heberling—an author at the Chronicle and president of Baker College for Graduate Studies—read an article written in Syllabus magazine that looked remarkably like his own piece. The subject of the plagiarist's piece: plagiarism."
- the offending author, a graduate student, apologized for any passages accidentally cut-and-pasted into her own article. Her excuse: 'deadline pressure.'

Trend 8. Course Quality Issues Become Pervasive (need for quality control police)

The Sloan Consortium: (2003). Sizing the Opportunity
http://www.sloan-c.org/resources/sizing_opportunity.pdf

- 60% of academic leaders agree that faculty will accept the legitimacy of online education
- 57% believe learning outcomes same or better than FTF
- 75% expect to be as good in next 3 yrs; 1/3 think better
- Everyone thinking the quality is on the rise

COMPARED TO FACE-TO-FACE, LEARNING OUTCOMES IN ONLINE EDUCATION ARE CURRENTLY

	Public	Private, nonprofit	Private, for-profit	Total
Superior	17.4%	7.0%	12.0%	12.3%
Same	57.6%	32.8%	38.6%	44.9%
Inferior	24.9%	60.3%	48.5%	42.8%

Student Outcomes in Online Learning Compared to Traditional Instruction.


Year	Inferior Student Outcomes	Same Student Outcomes	Superior Student Outcomes
2003	24.9%	57.6%	17.4%
2006	60.3%	32.8%	7.0%
2013	48.5%	38.6%	12.0%

Trend 9: Novel Online Educational Partnerships

"An Internet gateway through which learners, employers, and learning providers are drawn together into a dynamic partnership that creates value for learners, enhances economic development, and engages institutions in meeting the lifelong learning needs of twenty-first century learners" (2001, xvii).

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Center for Ed Tech Interoperability



Welcome to IRIDE.

Here you can find information about the many distance education degree and certificate opportunities provided by the Board of Regents, State of Iowa Universities. IRIDE is a cooperative effort between Iowa State University, the University of Iowa and the University of Northern Iowa to provide an easily accessible central point of information.

The Bachelor of Liberal Studies Action Iowa is the premier cooperative effort of the Regents Universities to provide an undergraduate degree program for students whose lifestyle prevents attendance in campus. The flexibility and convenience offered by the Bachelor of Liberal Studies (BLS) degree may be just what you need.


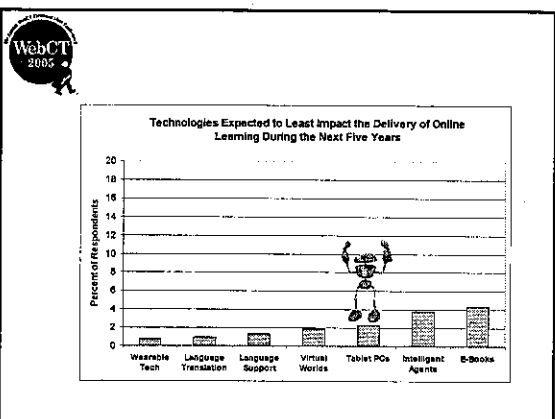


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Trend 10: Technology Continues to Outpace Theory

Kevin Kluse, November 2003, CLO, Tech Trends Impacting E-Learning

- **Trend 1: More for less** (low end PC in 2017 will cost \$150 and come with 8 GB of RAM and 1.8 Terabytes of storage space)
- **Trend 2: Broadband** (from 25 to 68 million in U.S. by 2008)
- **Trend 3: Wireless Access** (time and place of need instead of time and desk)
- **Trend 4: soon have in palms a supercomputer** that can make phone calls and surfs the Web at very high speeds

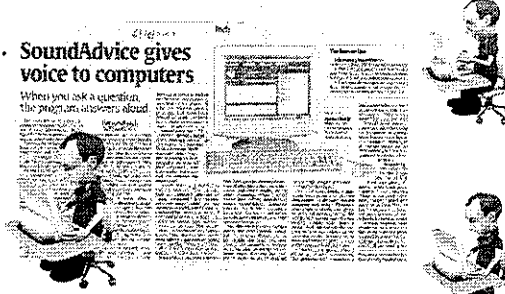



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1. Computers that Talk to You (\$595) USA Today, June 18, 2003

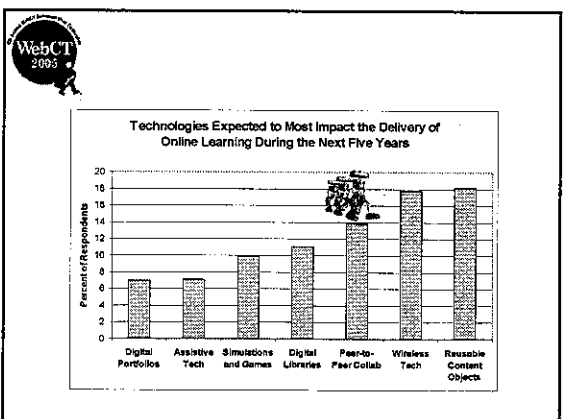
SoundAdvice gives voice to computers

When you ask a question, the program whispers about...



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Wearable Computing

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Wireless Technology

Handheld Computing

Creating the field-line interface

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WIRELESS PENETRATES CAMPUSES

Wireless-network plans

Photo Credit: Dartmouth College

A student connects to Dartmouth's wireless network from outside the Baker Library.

Big tech on campus
By Marguerite Reardon, CNET News.com
September 6, 2004

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E-learning Moves Wireless (e.g., Cell Phone Tours)

Lower Manhattan

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Technologies that Will Greatly Impact the Delivery of Online Learning in Your Organization During the Next Five Years

Technology	Percent of Respondents
Asynchronous Web-based Learning	25%
Sync Presentation Tools	10%
Online Testing and Exam Tools	10%
Learning Object Libraries	15%
Videoconferencing	18%
Course Management Systems	28%

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Videostreaming and Videoconferencing (to take off in next several years ...\$4.5 billion in 2007 (Sept 23, 2003, Stephanie Olsen, CNet News.com).

THE PERFECT FLAME

Luminous Nonluminous

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Synchronous Meetings and Expert Guest Chats/Mentoring (e.g., SmartMeeting)

SmartMeeting

