
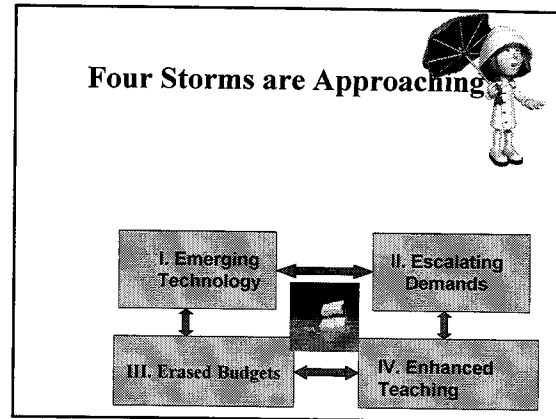


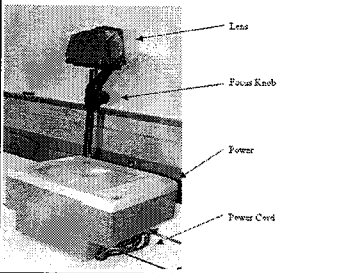
The Perfect E-Storm: Emerging Technology, Enhanced Pedagogy, Enormous Learner Demand, and Erased Budgets




Dr. Curtis J. Bonk
 Professor, Indiana University
 President, SurveyShare, Inc.
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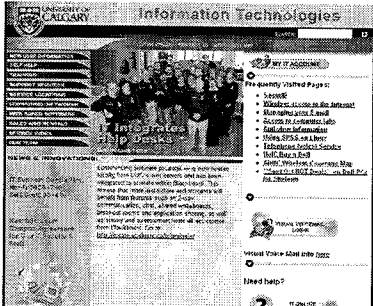
Many Innovative Technologies in by people in this audience



Labels in the image:
 - Lens
 - Focus Knob
 - Power
 - Power Cord

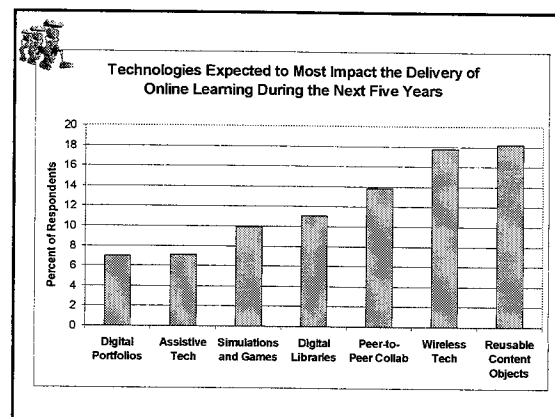


Of course, they are using computers too!!!



Storm 1. 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



#10. Computer Grading

(New York Times, May 19, 2004, Latent Semantic Analysis, Thomas K. Landauer, UC Boulder)

Indiana Essays Being Graded by Computers

By MICHAEL WITZ
Published May 19, 2004

INDIANAPOLIS — In the computer lab at Warner Central High School in Ellettsville, Ohio, there is a quiet, respectful of the quiet as the system, quietly, is grading the essays of the state's high school seniors.

One of the new #40700 Indiana essays grading in high schools across the state is the use of the computer-aided grading system. Unlike more than 100,000 other essays, this one is being graded by a computer.

Computer-aided grading is not a new idea. In fact, it has been used for years. But now, it is being used to grade the essays of the state's high school seniors. A computer can just as well grade a student's essay as a teacher can.

What about negative technologies?

search results

Now Showing Matches 1 To 5

Ethical Considerations in Academic Plagiarism

Plagiarism Software Research Study

Plagiarism is Theft

SCIENCE & SPACE

OFFBEAT NEWS

MIT students pull prank on conference

Computer-generated gibberish submitted, accepted

Thursday, April 14, 2006 12:22 PM EDT (EST) 04/13

CAMBRIDGE, Massachusetts (Reuters) — In a victory for pranksters at the Massachusetts Institute of Technology, a bunch of computer-generated gibberish masquerading as an academic paper has been accepted at a scientific conference.

MIT students said Thursday that they had won a battle with MIT graduate students who had submitted the gibberish as an academic paper to a conference. The students had submitted the gibberish as an academic paper to a conference.

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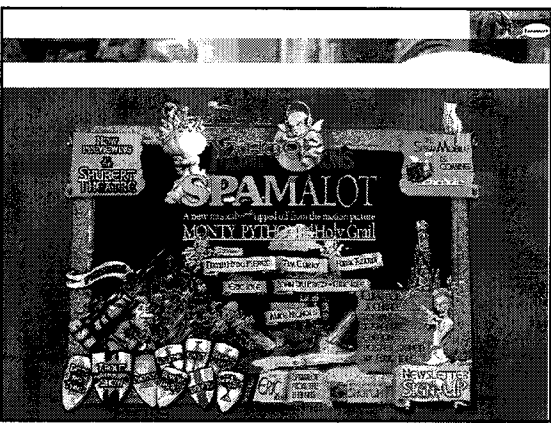
Ok, Who Feels Dumb When Answering Email?

Emails more damaging than cannabis

Researchers at the University of London Institute of Psychiatry have found that the constant distractions of email and texting are more harmful to performance than cannabis.

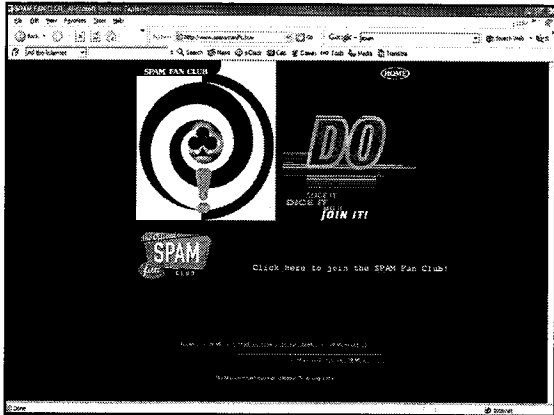
Those distracted by incoming email, phone calls and text messages saw a 10 percent fall in their IQ, more than twice that found in studies of the impact of smoking cannabis, according to the researchers.

Some 1,100 volunteers were



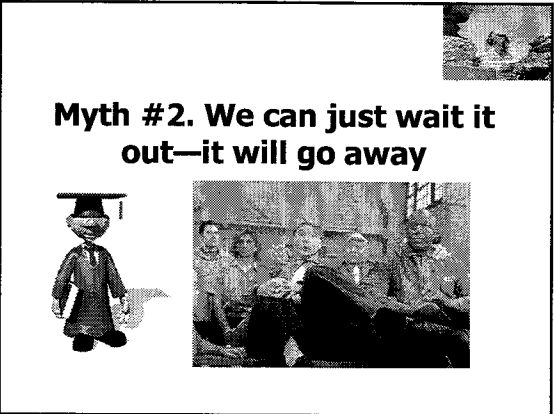
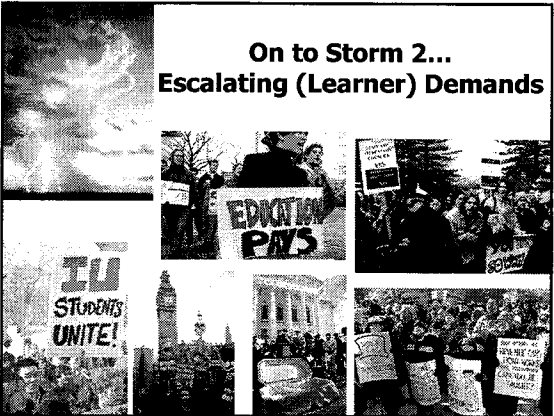
Monty Python Spam Song

- Vikings: Spam spam spam spam. Lovely spam! Wonderful spam! Spam spa-a-a-a-am spam spa-a-a-a-a-am spam. Lovely spam! Lovely spam! Lovely spam! Lovely spam! Lovely spam! Spam spam spam spam!



What can we say about emerging technology then???

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



Demand for Internet in US

Always online -- and always talking
 When: Three days without a word in an emergency

Difficulty in disconnecting
 As technology continues to influence the lives of young people, some are choosing to unplug from the Internet and other high-tech gadgets. Others say it would be hard to disconnect. Percentage who say it would be "very hard" to give up...

Generation	Computer	Internet	Enroll	Cell phone	Telephone	Personal digital assistant (PDA)
Young Tech	94	85	81	94	85	87
Older wired	84	75	69	84	75	75
Wired Gen-Xers	84	75	69	84	75	75
Baby Boomers	54	45	41	54	45	41

*Asked only of those who use this particular technology.
 SOURCE: Pew Research & American Life Project

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.

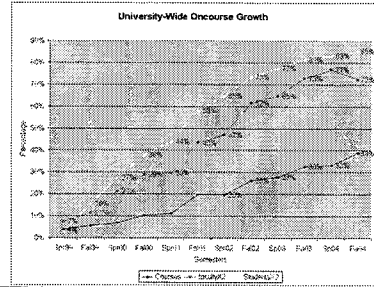


Peak Consulting, an educational consulting group, estimates:

- 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.

Indiana Univ (8 campuses): Spring 2005

Students: 89,413 loaded; 78,549 logged in (88%)
 Faculty: 7,014 loaded; 5,441 logged in (78%)
 Courses: 22,419 loaded; 9,206 active (41%)



Kelley Direct Online Programs
 Indiana University Kelley School of Business

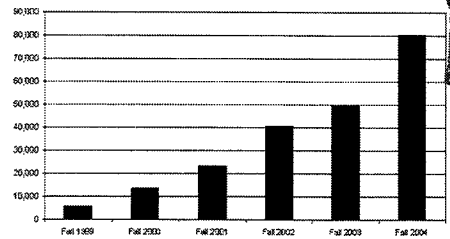
Growth in Student Enrollments at KD

Semester	Certificate Programs	MS	Public MBA	Corporate MBA
2002-3	100	100	100	100
2003-4	150	150	150	150
2004-5	200	200	200	200

Kelley School of Business
KD.IU.EDU
 Indiana University Kelley School of Business

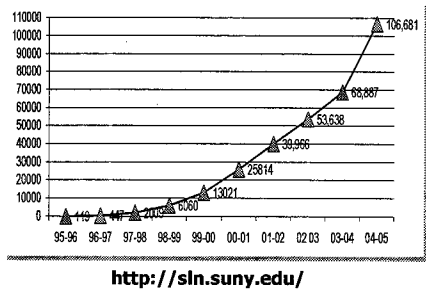
Illinois Virtual Campus

Enrollment in online classes tops 80,000 for Fall 2004 semester

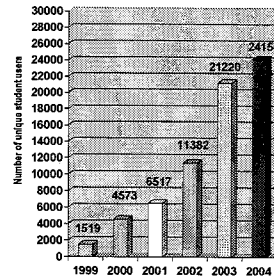


http://www.ivc.illinois.edu/pubs/enrollment/Fall_04.html

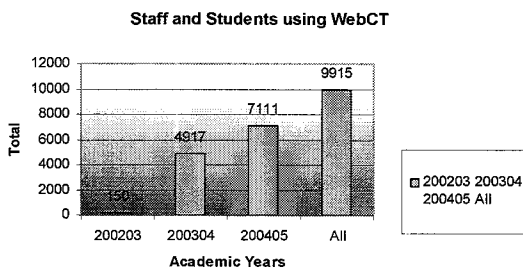
SUNY Learning Network (SLN) Online course enrollments



University of Pretoria (Lazenby, 2004; Blended with WebCT)



Dublin Institute of Technology



Even Shaq is taking courses online!

2005 NBA Playoffs

Shaq joins University of Phoenix grad

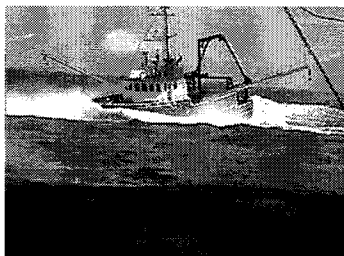
Associated Press

INGLEWOOD, Calif. -- Shaquille O'Neal returned to the Forum on Saturday, not for an NBA game, but to pick up his MBA.

The man who once called himself the Big Aristotle was the tallest and most famous of the 2,200 University of Phoenix graduates at the arena. But O'Neal's soul he was simply getting ready for the real world.

"It's just something to have on my resume [sic] when I go back into politics," the 2-foot-11 Shaq said.

We're in the Midst of Storm 3: Erased Budgets



Myth #3. My school or university cannot afford online learning.



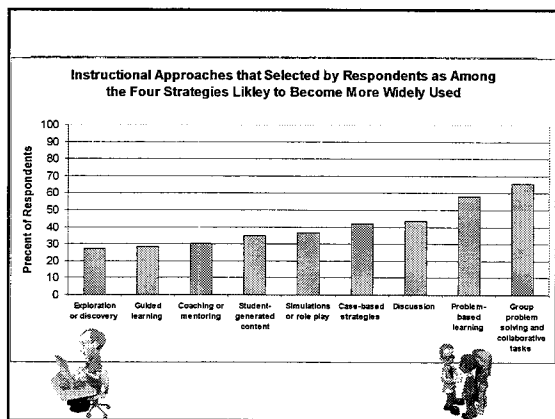
Three Most Vital Skills

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 #5.
Universities can just teach the same way they always have.



20 Online Pedagogical Examples that are not boring!

Experience. The difference.

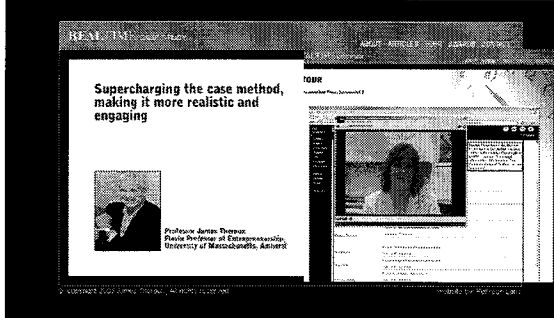
1. Educational Simulations, Scenarios, and Manipulations

2. Link Book and Field: Internships/Field Experience Job Interviews

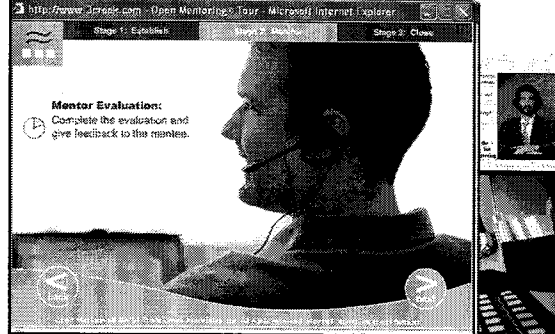
Field Definition Activity: Have students interview (via e-mail, if necessary) someone working in the field of study and share their results

- As a class, pool interview results and develop a group description of what it means to be a professional in the field

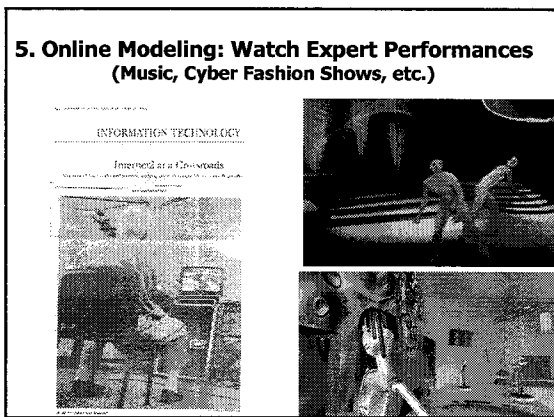
3. Real World Problems (PBL online): Real-time Cases



4. Apprenticeship: Electronic Guests & Mentoring



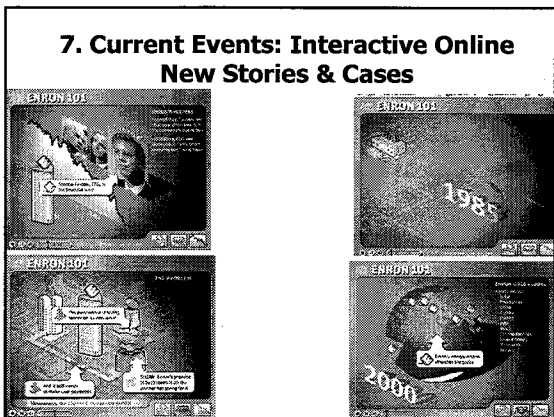
5. Online Modeling: Watch Expert Performances (Music, Cyber Fashion Shows, etc.)



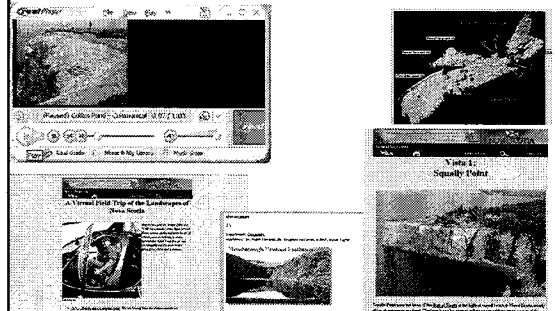
6. Teacher as Guide: Math Emporium of Online Tutorials and Testing (Virginia Tech, Robert Olin)



7. Current Events: Interactive Online New Stories & Cases



8. Exploration and Demonstration: Virtual Fieldtrip (Trinity College example)



9. Fostering Info Exchange: Critical/Constructive Friends, Email Pals...

John Becker and Dave Frode
 1 Jan 2001 09:33 Tue, Dec. 26, 2000, 17:28
 2 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 3 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 4 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 5 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 6 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 7 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 8 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 9 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23
 10 Jan 2001 09:33 Tue, Dec. 26, 2000, 15:23

10. Practitioner Feedback: Asynchronous Threaded Discussion plus Sync Expert Chat (e.g., Starter-Wrapper + Sync Guest Chat)

45. Real-time Chat is Enabled...And also More Async Questions for Bob, Erping, Julia, John, or Kira or anyone else.
 Posted on 11/05/01 07:14 PM
 Modified by Chih-Hung Wang on 11/05/01 07:57 PM
 Cite class per notes Chapter 6, 8, or 10 questions here: Bob, Erping, Kira, John, and others might reply. Thanks.
 • Open the wrapper for sync chat
 • View the chat transcript created by me
 • View the chat transcript created by others

11. Online Role Play of Scholars, Personalities, or Famous People

- Enroll famous people in your course
- Students assume voice of that person for one or more sessions

24.3. [I am so wise...so listen.](#) [Aristotle](#) 11/25/03 05:49 PM

- Training Magazine might have a little bit of a bias too. Also, I h boring instructional animations and videos. Classroom or e-learning a good audiotape - they can all be good for learning. Cost-effective to go away as an issue, so we might as well face it instead of saying learning is better than another - because it costs more! How did y of the Huns? Didn't you compare prices on spears and horses bef global conquests?

24.3.1. [Again my opinion - e-learning is NOT post-effective and is NOT value for money, and does NOT equate good quality](#) [Attila the Hun](#)

12. Just-In-Time-Teaching (JITT) <http://webphysics.iupui.edu/jitt/jitt.html>

13. Video Library of Concepts, Cases, or Experts

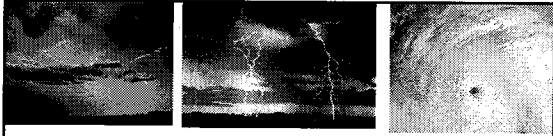
Discover ENGINEERING Online
 DOWNLOADS
 NOTE: Most of the downloaded files listed below are in PDF format. If you are having trouble viewing the files, you may need to download a PDF viewer from the following link: [http://www.adobe.com/acrobat/readermain.html](#)

14. Team Collaboration: Court Room Forum (Bus Law)

Court Administration
 All Cases

Case	Team List	File
Case A	Court Team1, Court Team2, Court Team3, Court Team4	FILE
Case B	Court Team5, Court Team6, Court Team7	FILE
Case C	Court Team8, Court Team9, Court Team10	FILE
Case D	Court Team11, Court Team12, Court Team13	FILE
Case E	Court Team14, Court Team15, Court Team16	FILE

 Case Management Forum Management Check Forum Postings



Recap of the Perfect E-Storm....

- 1. Emerging Technology**
- 2. Escalating (Learner) Demands**
- 3. Erased Budgets**
- 4. Enhanced Teaching**



Any questions, comments, or concerns?

