
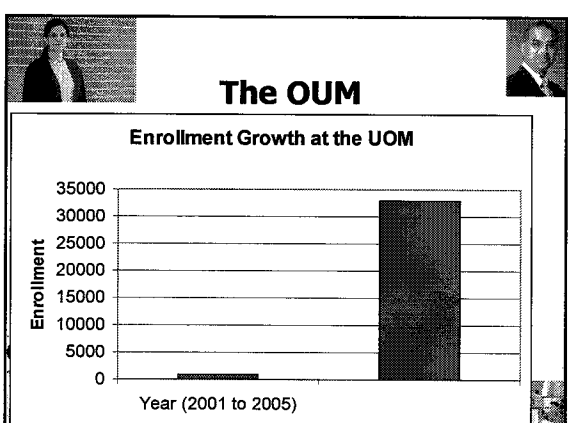
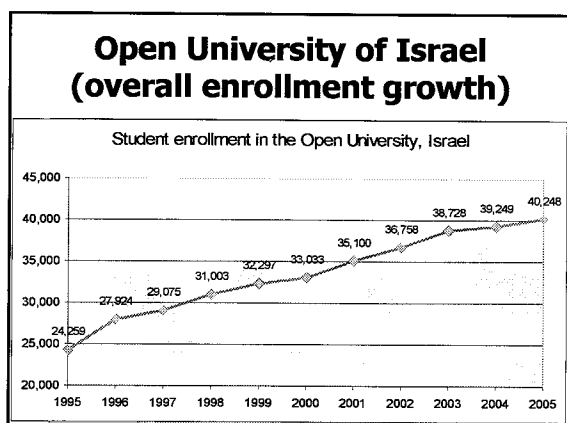
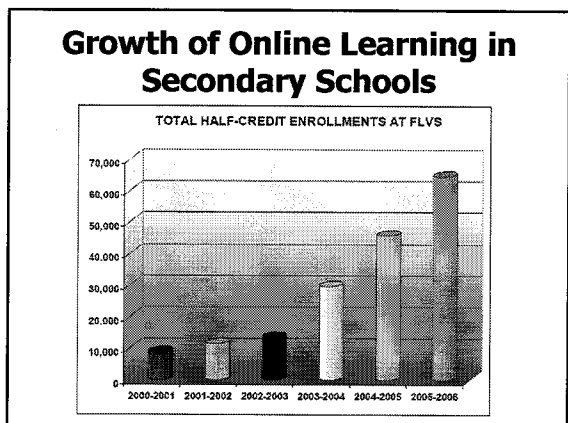
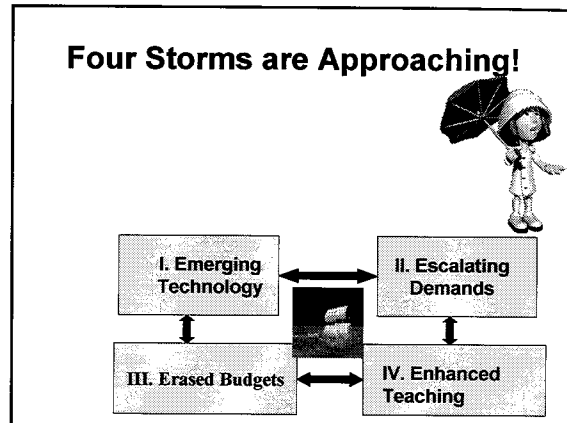


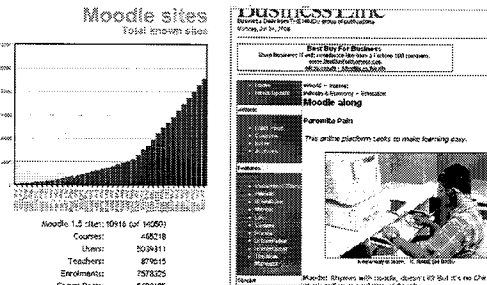
R2D2 on the Matrix: A Galaxy of Online Learning Style, Motivational, Blended Learning, and Learner-Centered Examples

Curtis J. Bonk, Professor, Indiana University
 President, SurveyShare
 cjbonk@indiana.edu
<http://mypage.iu.edu/~cjbonk/>

Open Source Courseware

Moodle sites



Total enrolment sites

Moodle 1.2 sites:	10916 (of 14060)
Courses:	460218
Users:	2024311
Teachers:	479015
Enrolments:	757325
Forum Posts:	1421485
Resources:	2136706
Quiz questions:	2951107

Accessible Technology

The project aims to build peer-to-peer communications

Negropte says the new laptop is designed to be kid-friendly

OLPC aims to turn the tide of urban poverty

The CM1: Taking technology to the developing world
A revolution in a laptop
By Greg Norman
Sunday 13 August 2006, 18:49
Makka Time, 15:49 GMT

All learning in one's own hands?

Wired for safety, late-night snacks

A Different Generation??? Multitasking...

"YOUNG AND WIRED," Katherine Seligman, San Fran Chronicle, Sunday, May 14, 2006

Always online -- and always talking when three days without a word in 21 states

Gloria Kwan listens to her iPod while text messaging a friend who's in class.
Chronicle photo by Mike Kepka

"YOUNG AND WIRED, Computers, cell phones, video games, blogs, text messages -- how will the sheer amount of time spent plugged in affect our kids?"

Katherine Seligman, San Fran Chronicle, Sunday, May 14, 2006

Harker student Stephanie Lil (wearing a false nametag), during language class, recording her voice in Spanish for the teacher to evaluate later. Chronicle photo by Mike Kepka

Top 5 "In" Things on Campus

June 7, 2006, USA Today

iPods knock over beer mugs

Rank	Item	Percentage
1	iPod	48%
2	Beer mug	25%
3	Mobile phone	21%
4	Laptop	18%
5	Instant messenger	12%

Yahoo News

Love me, love my blog," as Netorati couple-surf
BY SARA LEDWITH Thu Aug 3, 8:30 AM ET

- **Nick Currie and his girlfriend Shizu Yuasa (R) surf the internet over breakfast in Tokyo in this handout photo. As the Internet evolves -- with its webcams, iPods, Instant Messaging, broadband, wi-fi and weblogs -- its image as a relationship-wrecker is changing. Now a sociable habit is emerging among the Netorati: couple-surfing. (Nick Currie/Handout/Reuters)**
- **"For my birthday, he upgraded my RAM and I thought it was incredibly romantic," writes Jess.**

Brandon Hall, Chief Learning Officer Magazine, July 2006

"A blog is a Web journal containing dated entries on a given topic or scheme. They can include search, feedback from readers and links to other sites. They can be written by one person or a group. Blogs can be used to share a viewpoint, enable collaborative discussion, present new product ideas, or explain ongoing news or changes."

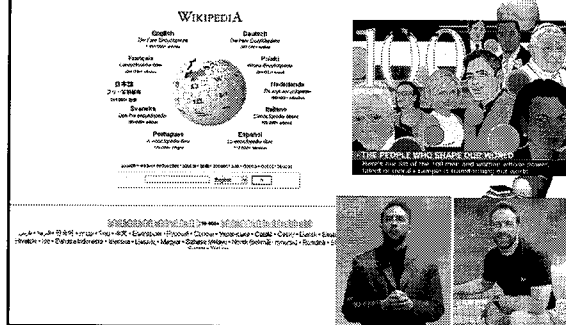
Blogging Questions

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?

**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

Wikis



For Teachers New to Wikis

- Wikis are a writing space
- Writers build upon, edit, and revise
- Power and authority reside in the community not in an individual
- Permissions can be set to limit readers and writers who participate

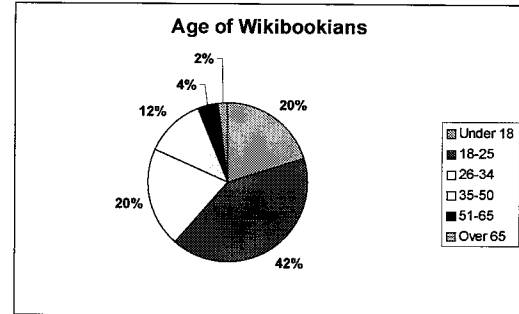
How use in teaching

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

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?

Wikibook Research



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

THE NEWS-OBSERVER
newsobserver.com

Home | News | Sports | Lifestyle | Business | Politics | Opinion | Entertainment

B City & State
Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday

Students download complete lectures
Professors start using new technology to motivate work outside class

ABERLYNE, Staff Writer
College students who decide to learn something rather than make a mad dash for a morning class might soon find it easier to hear what they missed — word for word.

A small but growing number of professors are turning class lectures into podcasts, free audio computer files that students can download to their PCs or other portable MP3 players.

College instructors have posted written materials and video online for years. It is only recently, though, that professors have started making the whole shebang — the lecture and subsequent question-and-answer — available to their classes at the tap of a computer key.

“The general consensus here at Duke is it’s going to change higher education, maybe ultimately very dramatically,” said Richard Luce, a professor of the practice of computer science.

Story Tools
Print | Share | Email

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?

Webcasts: WorldBridges Goals

What is Worldbridges?

- Worldbridges is a network of individuals and organizations that use live, interactive webcasting and other new media technologies to help people connect, learn, & collaborate.
(Webheads, Koreabridge, Worldbridges Tibet, EdTechTalk, etc.)

Goals & Values

- Our primary goal is to foster understanding and cooperation amongst the citizens of the world. We value civility and respect, open source collaboration, fair distribution of income, and a sense of world identity.

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)



1. Learner-Centered Learning Principles (American Psychological Association, 1993)

- | | |
|--|--|
| Cognitive and Metacognitive Factors | Developmental and Social Factors |
| 1. Nature of the learning process | 10. Developmental influences on learning |
| 2. Goals of the learning process | 11. Social influences on learning |
| 3. Construction of knowledge | |
| 4. Strategic thinking | Individual Differences |
| 5. Thinking about thinking | 12. Individual differences in learning |
| 6. Context of learning | 13. Learning and diversity |
| | 14. Standards and assessment |

Motivational and Affective Factors

7. Motivational and emotional influences
8. Intrinsic motivation to learn
9. Effects of motivation on effort



Learner-Centered on the Web (Bonk & Cummings, 1998)

1. Safe Lrng Community: 6, 11
2. Foster Engagement: 1- 6, 11.
3. Give Choice: 8, 9, 12
4. Facilitate Learning: 2, 9, 11.
5. Offer Feedback: 3, 6, 8, 11, 13.
6. Apprentice Learning: 3, 6, 7-9, 11, 13.
7. Use Recursive Tasks: 1, 3, 8-9, 10, 13.
8. Use Writing & Reflection: 3, 8, 12-13.
9. Build On Web Links: 2-4, 8-9, 12-14.
10. Be Clear & Prompt Help: 2, 9, 11, 14.
11. Evaluate Dimensionally: 1-5, 14.
12. Personalize in Future: 6, 8, 10-13.

2. Constructivistic Teaching Principles (Brooks, 1990)

1. Build on student prior knowledge.
2. Make learning relevant.
3. Give students choice in learning activity.
4. Student autonomy & active lrng encouraged
5. Use of raw data sources & interactive materials
6. Encourage student dialogue
7. Seek elaboration on responses and justification
8. Pose contradictions to original hypothesis
9. Ask open-ended questions & allow wait time
10. Encourage reflection on experiences



1. Anchored Instruction (find anchoring event (CTGV, 1990?) (L/M = Cost, M = Risk, M = Time)

- In a synchronous lecture interrupt it with a summary video (could be a movie clip) explaining a key principle or concept.
- Refer back to that video during lecture.
- Debrief on effectiveness of it.



2. One minute papers or muddiest point papers (L = Cost, M = Risk, M = Time)

- Have students write for 3-5 minutes what was the most difficult concept from a class, presentation, or chapter. What could the instructor clarify better.
- Send to the instructor via email or online forum.
- Optional: Share with a peer before sharing with instructor or a class.



3. Cool Resource Provider (Bonk, 2004) (L = Cost, M = Risk, M = Time)

- Have students sign up to be a cool resource provider once during the semester.
- Have them find additional paper, people, electronic resources, etc.
- Share and explain what found with class via synchronous meeting or asynchronous discussion post.

Cool Stuff



4. Library Day

(L = Cost, M = Risk, M/H = Time)
(Bonk, 1999)

- Have students spend a day in the library or online finding and summarizing a set number of articles.
- Have them bring to class or post abstracts to an online forum.
- Share in small groups interested in similar topics.
- Perhaps give each student 1-2 minutes to describe what found in a chat.



5. Jigsaw

(L = Cost, M = Risk, H = Time)

- Form home or base groups of 4-6 students.
- Student move to expert groups—discussion ideas in a chat.
- Share knowledge in expert groups and help each other master the material in an online forum.
- Come back to base group to share or teach teammates.
- Students present in group what learned.



6. 99 Second Quotes

(L = Cost, M = Risk, M = Time)

99

- Everyone brings in a quote that they like from the readings
- You get 99 seconds to share it and explain why you choose it in a sync chat or videoconference
- Options
 - Discussion wrapped around each quote
 - Small group linkages—force small groups to link quotes and present them
 - Debate value of each quote in an online forum



7. Six Hats (Role Play):

(from De Bono, 1985; adopted for online learning by Karen Belfer, 2001, Ed Media) (L = Cost, M = Risk, M = Time)

- **White Hat:** Data, facts, figures, info (neutral)
- **Red Hat:** Feelings, emotions, intuition, rage...
- **Yellow Hat:** Positive, sunshine, optimistic
- **Black Hat:** Logical, negative, judgmental, gloomy
- **Green Hat:** New ideas, creativity, growth
- **Blue Hat:** Controls thinking process & organization

Note: technique was used in a business info systems class where discussion got too predictable!



8. Structured Controversy and Instructor (or student) Generated Virtual Debates

(L = Cost, M = Risk, M = Time)

1. Select controversial topic (with input from class)
2. Divide class into subtopic pairs: one critic and one defender.
3. Assign each pair a perspective or subtopic
4. Critics and defenders post initial position statements in an online thread
5. Rebut person in one's pair
6. Reply to 2+ positions with comments or q's
7. Formulate and post personal positions.



9. Best 3 Activity

(Thiagi, personal conversation, 2003)

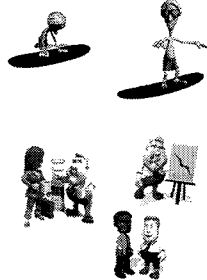
(L = Cost, L = Risk, L/M = Time)

- After a lecture, have students decide on the best 3 ideas that they heard (perhaps comparing to a handout or dense sheet of paper).
- Work with another who has 3 as well and decide on best 3 (or 4).
- Those pairs work with another dyad and decide on best 3 (or 4).
- Report back to class.



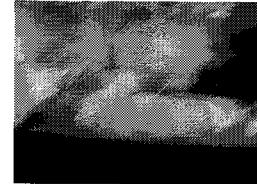
10. Scavenger Hunt
(L = Cost, L = Risk, M = Time)

1. Create a 20-30 item scavenger hunt
2. Post scores



99 seconds: What have you learned so far?

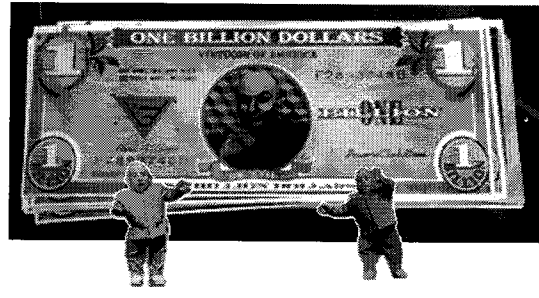
- Solid and Fuzzy in groups of two to four



Part II: 10 Blended Learning Solutions



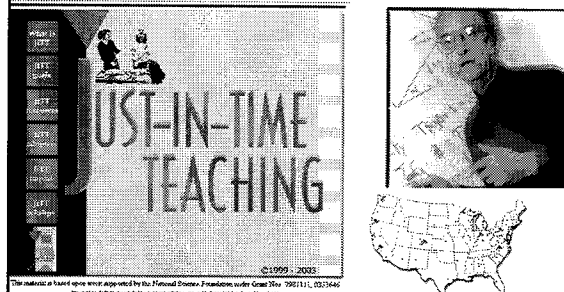
Ok, Million Dollar Question: How can you blend learning?



Blended Solution #1: Video Streamed Lectures and Expert Commenting



Blended Solution #2: Warm-ups Online Just-In-Time-Teaching (JiTT)
<http://webphysics.iupui.edu/jitt/jitt.html>



Blended Solution #3. Apprenticeship: Electronic Guests & Mentoring

(Simon Fraser University)

<http://www.sfu.ca/mediaprts/news/2001/54>

The screenshot shows a website interface with a 'Student Chat With...' section. It includes a profile picture of a woman, a list of statistics (Credits, Assignments, Grades, Semesters, Exams, etc.), and a video player showing a group of people in a meeting.

Blended Solution #4. Online Simulation: Financial Accounting; (University of Calgary)

The screenshot displays the 'Lyryx Interactive Financial Accounting' software. It features a main window with a navigation pane on the left and a central content area. A smaller window on the right shows a '10.1 Accounts Receivable' problem with a table of data and a feedback message that says 'INCORRECT X'.

Blended Solution #5. Concept Mapping Tools

Ratio Analysis - Mind Map

Level 2 Business/Economics

Mind Maps have been produced to introduce topics and give students an overview of key to page or, for those who prefer a more linear approach, as a text version.

The screenshot shows a concept mapping tool with a central node 'Ratio Analysis' and several branches. One branch is highlighted with a red box. Below the map, there is a 'View linear version of the mind map.' link and a list of items including 'Liquidity' and 'How solvent is the business?'.

Blended Solution #6. Educational Simulations, Scenarios, and Manipulations

The screenshot shows an educational simulation interface with multiple windows. One window displays a 3D model of a building, another shows a video of a person, and others contain text and data. The interface includes navigation buttons like 'Home', 'Back', and 'Forward'.

Blended Solution #7. Real World Problems (PBL online): Real-time Cases

REALTIME CASE STUDY

Supercharging the case method, making it more realistic and engaging

The screenshot shows a 'REALTIME Case Study' interface. It features a video player showing a woman speaking, a text area with the title 'Supercharging the case method, making it more realistic and engaging', and a profile for 'Professor James Thompson, Real-time Professor of Entrepreneurship, University of Massachusetts, Amherst'.

Blended Solution #8. Video Scenario Learning (Option 6, Arjuna Multimedia, Bloomington, IN)

The screenshot shows a video scenario learning interface. It includes a video player showing a man and a woman in a conversation, a text area with the title 'Inappropriate Response', and a list of options for the user to choose from.

Blended Solution #9. Instructor Presentation in Synchronous Sessions (Breeze, Elluminate, WebEx, etc.)

The screenshot shows a WebEx interface. At the top, there's a title bar. Below it, a large video window shows an instructor speaking. To the right, a list of participants is visible. At the bottom, there's a chat window with text messages. A play button icon is visible in the bottom right corner of the screenshot.

Blended Solution #10. Video Observations (e.g., Virtual Psychiatric Interview, Trinity College, Dublin)

showcases

12

Department: Psychiatry
Academics: Prof. Michael Gill, Dr. Brian Fitzmaurice, Katie Armstrong

The collage includes several images: a person in a virtual environment, a video player interface with the title 'Psychiatric Interview', and a person sitting at a desk. Below the images, there's a small text box with a URL: 'http://www.trinity.ie/psychiatry/virtual-interview/'.

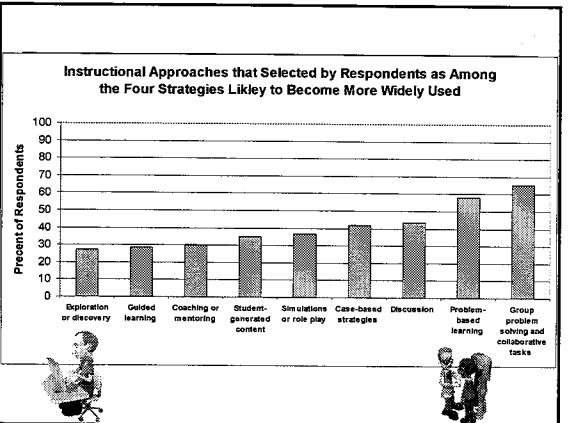
This is a Virtual Interview project that has been developed by CLT and the Department of Psychiatry. The first iteration was launched in March, 2004 for students. In this project students are given the opportunity to carry out a clinical interview with a patient. The student decides what questions are asked and with the aid of video clips can listen and watch the patient's responses.

99 Second Stretch Break and Chat!!!

The illustration shows several cartoon characters in various poses. One character is stretching, another is sitting on the floor, another is standing with arms outstretched, and another is sitting on a chair. There are also some small decorative elements like a bunch of grapes and a small plant.

Part III. Mucho Motivation 10 Ideas

The illustration shows a cartoon character holding a large bottle of 'Mucho Motivation'. The character is wearing a hat and a shirt. The bottle has a label with the words 'Mucho Motivation' and a small character on it.



- ### Intrinsic Motivational Terms
1. **Tone/Climate:** Psych Safety, Comfort, Belonging
 2. **Feedback:** Responsive, Supports, Encouragement
 3. **Engagement:** Effort, Involvement, Excitement
 4. **Meaningfulness:** Interesting, Relevant, Authentic
 5. **Choice:** Flexibility, Opportunities, Autonomy
 6. **Variety:** Novelty, Intrigue, Unknowns
 7. **Curiosity:** Fun, Fantasy, Control
 8. **Tension:** Challenge, Dissonance, Controversy
 9. **Interactive:** Collaborative, Team-Based, Community
 10. **Goal Driven:** Product-Based, Success, Ownership

1. Tone/Climate: Ice Breakers

A. Eight Nouns Activity:

1. Introduce self using 8 nouns
2. Explain why choose each noun
3. Comment on 1-2 peer postings



B. Coffee House Expectations

1. Have everyone post 2-3 course expectations
2. Instructor summarizes and comments on how they might be met



2. Feedback:

A. Critical/Constructive Friends, Email Pals...

Blackboard Course 2009-2010

Topic: Applying Technology to Teaching and Learning

Topic: Discussion - 8. Reading Site - 2. Peer Teaching...

Julie Wecker and Dawn Irwin

- 1. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 2. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 3. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 4. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 5. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 6. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 7. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 8. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 9. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 10. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38

Nancy Hudson and Candy Nilsson Feedback

- 1. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 2. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 3. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 4. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
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- 9. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 10. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38

James Schmidt and Kim Benton Feedback

- 1. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 2. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 3. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
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- 8. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 9. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38
- 10. Let Betty (5/3/09) Thu, Dec. 24, 2009, 17:38

3. Engagement: C. Clickers; Innovation is but one click away...

TECHNOLOGY/BUSINESS

CYBER

Interactive technology transforms the classroom

The benefits of using interactive technology in the classroom are many. From increasing student engagement to providing personalized learning experiences, interactive technology is revolutionizing the way we teach and learn.

Clicker

A wireless IR polling system

Hand holding a clicker device.

4. Meaningfulness:

A. Authentic Data Analysis

AIOS Human Origins

An informative virtual reality view inside the archeology museum at the Maya ruins of Copan, Honduras.

3D model of a Maya ruin.

This should be a new window. If you are waiting for the download you can go back to surfing in your original window. Accepting this will hold down your mouse inside the frame to move around. Use the Control key (CMD key in Windows) to zoom in. Use the control key to zoom out.

5. Choice:

A. Multiple Topics

- Generate multiple discussion prompts and ask students to participate in 2 out of 3
- Provide different discussion "tracks" (much like conference tracks) for students with different interests to choose among
- List possible topics and have students vote (students sign up for lead diff weeks)
- Have students list and vote.

6. Variety:

A. Discussion: Starter-Wrapper



- (Hara, Bonk, & Angeli, 2000)
1. Starter reads ahead and starts discussion and others participate and wrapper summarizes what was discussed.
 2. Start-wrapper with roles--same as #1 but include roles for debate (optimist, pessimist, devil's advocate).
- ### B. Alternative: Facilitator-Starter-Wrapper
- (Alexander, 2001)
- Instead of starting discussion, student acts as moderator or questioner to push student thinking and give feedback

7. Curiosity: A. Games Online Jeopardy Game

www.km-solutions.biz/caa/quiz.zip;
Games2Train: The Challenge; Thiagi.com

8. Tension: A. Online Role Play of Scholars, Personalities, or Famous People

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

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 sayin 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 cost-effective and is NOT value for money, and does NOT equate good quality. Attila the Hun

9. Team Collaboration: A. Court Room Forum (Bus Law)

Court Administration

AM Court

Court	Team List	Chair
Court A	Court Team1, Court Team2, Court Team3	Bob
Court B	Court Team4, Court Team5, Court Team6	Sam
Court C	Court Team7, Court Team8, Court Team9	Ed
Court D	Court Team10, Court Team11, Court Team12	Eric
Court E	Court Team13, Court Team14, Court Team15	Edg

Chair Management Forum Management Check Exam Postings

10. Product-Based: A. Video Papers. Grounded Research and Production. Video Paper Builder (<http://vpb.concord.org/>)

Video Paper Builder

Video Paper Builder 3

Video Paper Builder 3

How many have ever felt that they hit the wall as far as teaching online?

BONK!

Your skeletal muscles maximum burn rate is double that of your brain. Think about it.

When your body stalls mid-run, it's called bonking.

Addressing Learning Styles



Why Address Learning Styles?

- Promotes reflection on teaching
- Move from just one mode of delivery
- View from different viewpoints
- Offer variety in the class
- Might lower drop-out rates
- Fosters experimentation



VARK learning styles (Fleming & Mills (1992a, 1992b): Four types of learners and learning styles:

- (1) visual;
- (2) auditory;
- (3) reading/writing;
- (4) kinesthetic, tactile, or exploratory,



Poll 1: Which learning style do you prefer?

- Read (Auditory and Verbal Learners)
- Reflect (Reflective Learners)
- Display (Visual Learners)
- Do (Tactile, Kinesthetic, Exploratory Learners)



VARK learning styles (Fleming & Mills (1992a, 1992b). Four types of learners and learning styles

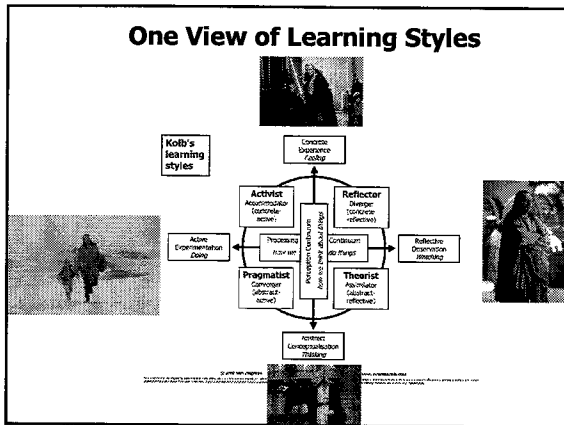
1. Visual learners prefer diagrams, flowcharts, graphics (they do not mention video, film, Webcasts, or PowerPoint presentations).
2. Auditory learners prefer to hearing directions, lectures, or verbal information.
3. Reading and writing learners prefer text passages, words, and written explanations.
4. Tactile or kinesthetic learners learn best by connecting to reality through examples, practices, or simulations.

Kolb (1984)



- According to Kolb, effective learning involves four phases:
 - from getting involved (Concrete Experience) to
 - listening/observing (Reflective Observation) to
 - creating an idea (Abstract Conceptualization) to
 - making decisions (Active Experimentation).
- A person may become better at some of these learning skills than others; as a result, a learning style develops.





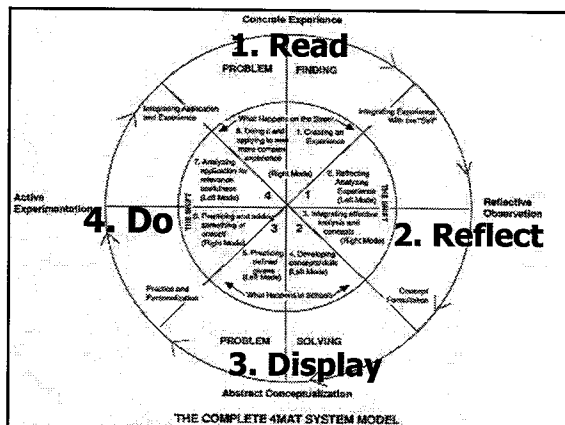
- ### Abstract Conceptualization vs. Concrete Experiences
- (AC) - I am rational and logical.
 - (CE) - I am practical and down to earth.
 - (AC) - I plan events to the last detail.
 - (CE) - I like realistic, but flexible plans.
 - (AC) - I am difficult to get to know.
 - (CE) - I am easy to get to know.

- ### Active Experimentation vs. Reflective Observation
- (AE) - I often produce off-the-cuff ideas.
 - (RO) - I am thorough and methodical.
 - (AE) - I am flexible and open minded.
 - (RO) - I am careful and cautious.
 - (AE) - I am loud and outgoing.
 - (RO) - I am quite and somewhat shy.

Index of Learning Styles Questionnaire

Barbara A. Solomon, North Carolina State Univ
<http://www.engr.ncsu.edu/learningstyles/ilsweb.html>

- If I were a teacher, I would rather teach a course
 - (a) that deals with facts and real life situations.
 - (b) that deals with ideas and theories.
- I prefer to get new information in
 - (a) pictures, diagrams, graphs, or maps.
 - (b) written directions or verbal information.



The R2D2 Method

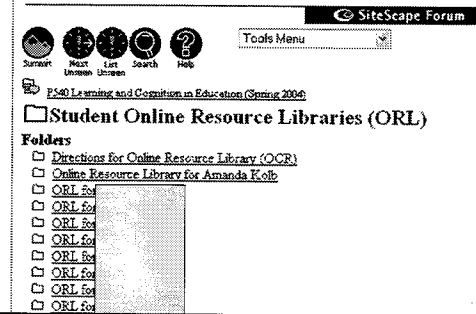
- 1. Read** (Auditory and Verbal Learners)
- 2. Reflect** (Reflective Learners)
- 3. Display** (Visual Learners)
- 4. Do** (Tactile, Kinesthetic, Exploratory Learners)

1. Auditory or Verbal Learners

- Auditory and verbal learners prefer words, spoken or written explanations.

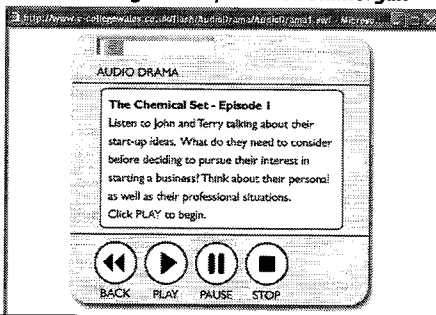


1a. Online Resource Libraries

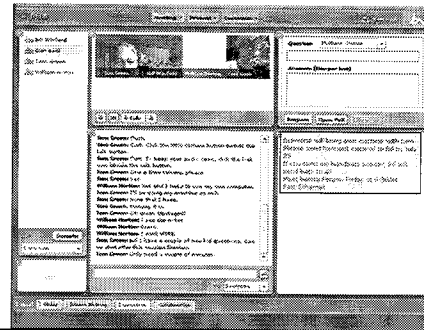


1b. Online Audio Cases Audio Dramas

eCollege Wales, Univ. of Glamorgan



1c. Synchronous Conferencing

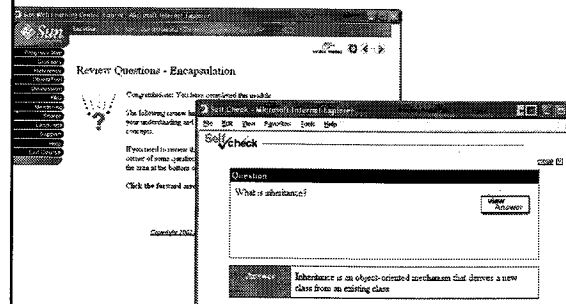


2. Reflective and Observational Learners

- Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives



2a. Learner-Self Interactions and Reflections



2b. Post Model Answers

Employment Law and Ethics Project

Employment Law and Ethics Project

Question 1

Would it be illegal for Laura to recommend Billings instead of Lewis? Explain, being specific about the legal doctrines that would apply?

Answer 1

Under both Title VII of the 1964 Civil Rights Act and Section 1981 it is illegal to discriminate on the basis of race or color, and Lewis would likely win a lawsuit using the claim of disparate treatment if he were not recommended for the promotion. If Laura does not recommend Lewis, she is guilty of violating the law. None of the three primary defenses—seniority, merit, or bona fide occupational qualification—apply to this situation since Lewis has higher seniority, equal skills, and more direct experience with power tools, than does the other candidate Frank Billings. Title VII "prohibits discrimination based on race, color, religion, sex, and national origin in hiring, firing, job assignments, pay, access to training and apprenticeship programs, and most other employment decisions." ABRCCO is a covered entity under Title VII because they are "employing 15 or more employees and engaging in an industry affecting interstate commerce" and as the footnotes point out "as of November 21, 1991, the Civil Rights Act of 1991 extended protection from discrimination in employment to U.S. citizens working in foreign countries while employed by U.S. firms."

In this case, Title VII's disparate impact is not applicable since ABRCCO's policy clearly states to "promote the most

2c. Reuse Chat Transcripts

47. Week 9: Chat 4MAT with Bernice McCarthy March 10th from 5-6 pm

Chat Room: Bernice McCarthy
Posted on 02/25/04 11:24 PM
Modified by Chat Room on 03/10/04 05:01 PM

Total Answers: 56
The names of users who have accessed this room...

- View the chat transcript ordered by time
- View the chat transcript ordered by answer

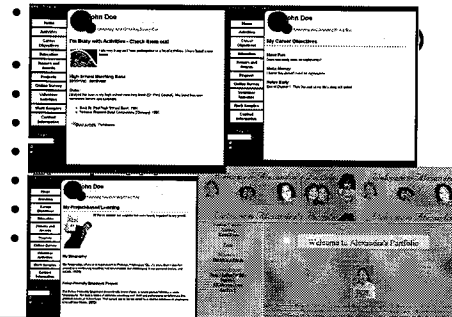
Attachments:
[chat transcript.txt](#)
[chat transcript ordered by time.txt](#)
[chat transcript ordered by answer.txt](#)
[chat transcript ordered by time.txt](#)
[chat transcript ordered by answer.txt](#)

2d. Video Streaming: Math Emporium of Online Tutorials and Testing (Virginia Tech, Robert Olin)

- In the Math Emporium, students can take advantage of diagnostic quizzes, an electronic hyperlinked textbook and interactive, self-paced tutorials. There are armies of tutors, GTAs and faculty in the emporium to give students personal help when they do not understand the tutorials or quizzes...Some traditional lectures by professors are also available along with help from a conventional tutor lab.



2e. Reflection and Observation: E-Portfolios



2f. Reflection Sheets and Scaffolds online (E-Reading First Ohio) (reflect, share, and compare)

Focus on Mr. Smith's interaction with the students to identify where scaffolding occurs in the lesson. Do you think you will use your commentary to help you. Be prepared to provide some evidence of scaffolding in the next Reflect, Share, and Compare.

Form Questions:

- What problems is Student having with this problem?
- How does Mr. Smith start where Student is?
- What does she do simply the task for her?
- What does Mr. Smith do to reach Student and her neighbor?

Submit with video? transcript zoom

2g. Practitioner Feedback: Asynchronous Threaded Discussion plus Sync Expert Chat (e.g., Starter-Wrapper + Sync Guest Chat) (L/M = Cost, M = Risk, M = Time)

45. Real-time Chat is Enabled...And also More Async Questions for Bob, Erping, Julia, John, or Kira or anyone else.

Chat Room: Practitioner Feedback
Posted on 11/05/01 07:14 PM
Modified by Chat Room on 11/05/01 07:57 PM

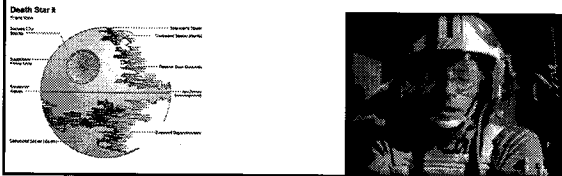
Total Answers: 10
The names of users who have accessed this room...

- View the chat transcript ordered by time
- View the chat transcript ordered by answer

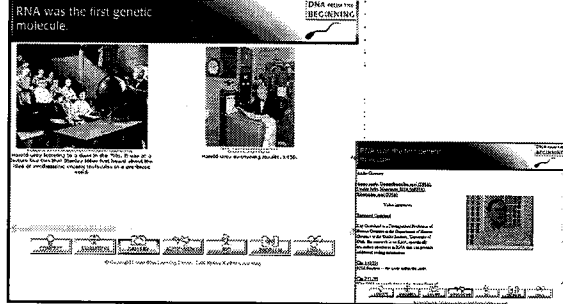
Attachments:
[chat transcript.txt](#)

3. Visual Learners

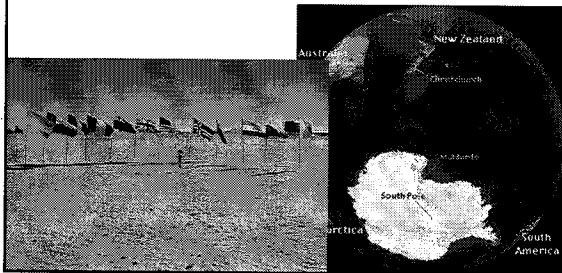
- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.



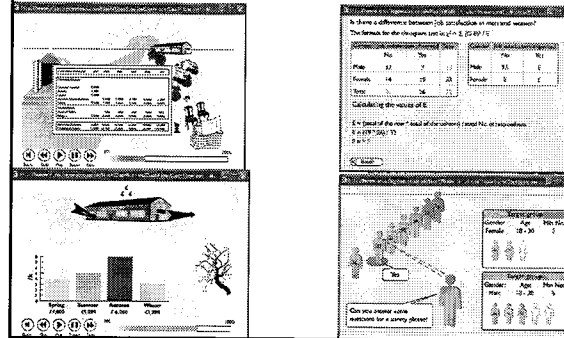
3a. Animations, Video Clips, Audio, Pictures, Web Resources, etc.



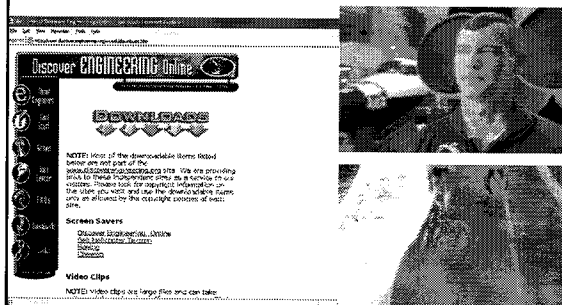
3b. Virtual Tour (Center for Astrophysical Research in Antarctica)



3c. Current Events: Interactive Online New Stories & Cases



3d. Video Library of Concepts, Cases, or Experts



3e. Digital Libraries (LibraryShare)



3f. Online Modeling: Watch Expert Performances (Music, Cyber Fashion Shows, etc.)

INFORMATION TECHNOLOGY

Internet in the Classroom

3g. Expert Mentoring Online in Art and Design (COFA Online, Omnium Project, Creative Waves—online graphics and photomedia project)

COFA Online

3h. Capture and Videostream Lectures (e.g., Apreso CourseCaster)

Calculus I

Reverend Brent, Mathematics

3i. Virtual Surgery: multisource, real-time, interactive lesson in anatomy and surgery (Corn project)

3j. Internet2 Video Conferencing Applications

Arts & Humanities

Digital Film Festival

Distance Learning in the Arts

Telepresence Videoconferencing Facility at Duke University The Fuqua School of Business

Global Conferencing System

Distributed Film Sessions

4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.

4a. Educational Simulations, Scenarios, and Manipulations

The image shows three different educational simulation interfaces. The first is a line graph titled 'Review Phase Sales Estimates' with a grid background. The second is a bar chart titled 'Understanding ANOVA Visually' with a legend and data points. The third is a web-based interface titled 'The iPhish Project' showing a network diagram and various controls.

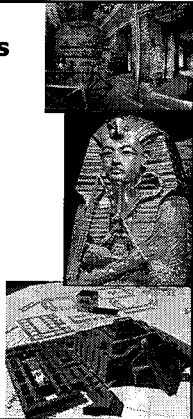
4b. Videoconferencing with Hearing Impaired Students Online

- College students tutoring high schools on their homework
- Instructors observing how teacher education students are doing in field placements (practice presentation and communication skills)
- Interpret speaker via Web cam



4c. Historical Documents discoverbabylon.org

- In its final form, the multi-player game will let you march through three-dimensional recreations of the first city-states, around 3000 B.C., the first empires, around 2300 B.C., and finally the famous Iron Age empire of Assyria...offers three-dimensional walk-throughs of sites in the Valley of the Kings.



4d. Digital Storytelling

A collage of digital storytelling resources. It includes a large image of a video camera, several small thumbnail images of digital stories, and text boxes with titles like 'Educational Uses of Digital Storytelling' and 'Digital Storytelling: The Art of Digital Storytelling'.

4e: Internally Built Web Links (Human Intelligence Homepage, Jonathan Plucker, IU)

A screenshot of the 'Human Intelligence' website homepage. The page features a navigation menu with links like 'Home', 'About', 'Contact', and 'FAQ'. The main content area includes a section titled 'What's new?' with links to 'Does Brain Code Affect Intelligence?' and 'The Moment Effect'. There are also images of a person and a dog.

4f. Romantic Poetry Project

A screenshot of the 'Romantic Poetry Project' website. The page features a navigation menu and a main section titled 'THE LIFE AND WORK OF JOHN KEATS 1795 - 1821'. Below this, there is a portrait of John Keats and the text 'A COLLECTION OF RESOURCES DEDICATED TO THE SECOND GENERATION ROMANTIC POET'. At the bottom, it says 'ENTER THE WEBSITE'.

