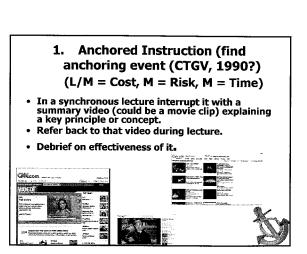


1. Learner-Centered Learning Principles
(American Psychological Association, 1993)

Cognitive and Metacognitive Factors

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

Motivational and emotional influences
15. Intrinsic motivation to learning
16. Standards and assessment



2. Cool Resource Provider

(Bonk, 2004) Capture and Videostream Lectures (e.g., Apreso CourseCaster)

- 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.



Oool Auff



3. ORL or Library Day

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

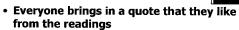


- · Have students spend a day in the library or online finding and summarizing a set number of articles.
- Have them bring to class or post abstracts to an
- Share in small groups interested in similar topics.
- · Perhaps give each student 1-2 minutes to describe what found in a chat.



4. 99 Second Quotes

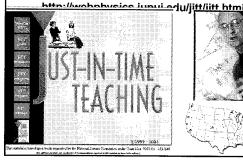
(L = Cost, M = Risk, M = Time)



- 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

5: Online Warm-ups Activities **Just-In-Time-Teaching (JiTT)**

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





6. 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.

7. 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.

8. Six Hats (Role Play):

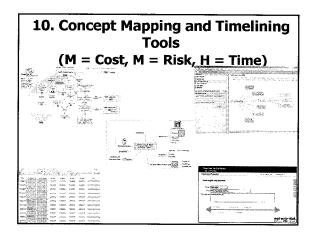
(from De Bono, 1985; adopted for online learning by Karen Belfer, 2001, Ed Media) (L = Cost, M = Risk, M = Time)

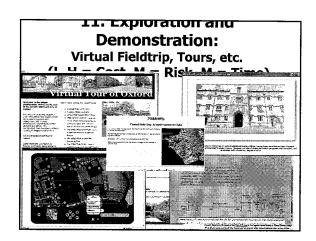
- White Hat: Data, facts, figures, info (neutral)
- · Red Hat: Feelings, emotions, intuition, rage...
- · Yellow Hat: Positive, sunshine, optimistic
- Black Hat: Logical, negative, judgmental, gloomy
- · Green Hat: New ideas, creativity, growth
- Blue Hat: Controls thinking process & organization

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

See Angelow Comment of the Comment o

9: Warm-ups Online Just-In-Time-Teaching (JiTT) http://webphysics.iupui.edu/jitt/jitt.html





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

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





13. Pruning the Tree (i.e., 20 questions)



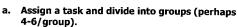
- During a synchronous chat or videoconference, have a recently learned concept or answer in your head.
- Students can only ask yes/no types of questions.
- If guess and wrong they are out and can no longer guess.
- The winner guesses correctly.



14. Reciprocal Teaching Scripts

- Instructor gives purpose of the method (e.g., summarization, prediction, clarification, and questioning skills)
- He/she models the method
- Student takes over as the teacher
- Student teacher models skills requested

15. Numbered Heads Together







- d. Discuss problem or issue assigned.
- e. Instructor calls on groups & numbers.
 - e.g., in a research methods class, one person reads intro, another the method, another the findings, discussion, implications, etc.







16. Peer Critique of Online Design (Park & Bonk, 2007)

- Providing immediate feedback
- Increasing interactions among participants
- Encouraging to exchange multiple perspectives
- •Enhancing dynamic interactions
- Promoting passive to become active
- Strengthening social presence allowing to
- exchange of emotional supports
- Apply skills just learned
- Exchange constructive fdbk on other's projects



17. Apprenticeship: Electronic Guests & Mentoring (Simon Fraser University News: http://www.shu.ca/mediapr/shews/2001/Sept6/hightech.html) Students Chat With Italian Chal Enginer Linguist Chat With Italian Chal Enginer



18. Human Graph

- Class lines up: (1-5)
- 1 = Strongly agree,
- 3 = neutral,
- 5 = strongly disagree
- e.g., this workshop is great!
- In a videoconference or synchronous session, have students line up on a scale (e.g., 1 is low and 5 is high) on camera according to how they feel about something (e.g., topic, the book, class).



19. Inside and Outside or Fishbowl

- Situate students in two circles; an outer & inner circle.
- Present a problem, situation, or discussion topic.
- Have students immediately behind each other discuss their solutions, ideas, or
- Only those on the inner circle can talk or discuss. Those behind have to listen.
- Later switch

20. Value Lines

- Pose question or issue
- Students mark down their feelings or votes
- Share votes and rationale with class
- Recast votes

21. Think-Pair-Share or Turn To Your Partner and Share

- · Assign a topic for reflection or writing.
- Have share their responses with someone next to them.
- · Share with another team.
- · Ask to share 1-2 ideas with class.
- Alternatively, ask students to volunteer something they heard from a peer.



23. One Stray-Three Stay

- Give a task to small groups of students.
- Assign one person as spy or pirate to see the answers of other students (one stray-three stay method) and share wit group.



 Group assigns one person from their group to stay behind and share product or ideas with others who visit their poster or station (one stay-three stray method).







25. Product and Project-Based Learning (and Gallery Tours)

- Students decide on a project to pursue from a list.
- Must design something—a poster, poem, song, presentation, radio or TV show, report, advertisement, research report, glossary, website, Wikibook.
- Presentation is made at the end of the unit or semester (perhaps post products on walls in room).
- Evaluation is made by experts and/or the instructor.

99 Seconds: Think-Pair-Share... What have you learned so far? What is Solid and What is Fuzz?

- If no partner, stray to another group.
- Share with group











26. Issues and Discussion Questions (L = Cost, L = Risk, M = Time)

- a. Make a list of issues people would like to discuss.
- b. Perhaps everyone brings 2-3 questions or issues to the meeting.
- c. Partner off and create a list and then collect question cards, and,
- d. Then distribute and your group must answer questions of the other groups.

27. Learner-Self Interactions and Reflections Review Chections - Encapsulation **Companion of the body of the control of the mobile of the control of the mobile of the control of the c

28. Use Google Maps Mashups By Jeffrey Branzburg, May 15, 2006 http://www.techlearning.com/story

29. Problem-Based Learning (PBL) (Blumenfeld, Soloway, et al. 1991; Duffy & Savery, 1996; George Lucas Educational Foundation, 2003)

- 1. Instructor lays out the problem situation.
- Students work on a major problem with multiple solutions for a unit, semester, or year.
- 3. Evaluation is made by experts and/or the instructor
- 4. Debate, ask questions, refine questions, make predictions
- 5. Collect and analyze data, draw conclusions
- 6. Presentation and communicate ideas and findings



30. Case-Based Learning: Student Generated Cases

- 1. Model how to write a case and practice answering.
- 2. Generate 2-3 cases during semester based on field experiences.
- 3. Link to the text material—relate to how how text author or instructor might solve.
- 4. Respond to 6-8 peer cases.
- 5. Summarize the discussion in their case.
- 6. Summarize discussion in a peer case. (Note: method akin to storytelling)



31. Roundrobins

- · Select a topic
- Respond to it
- Pass answer(s) to next person in group
- Keep passing until everyone contributes or ideas are exhausted
- Summarize and/or report or findings

32. Movie assignments (Bonk 2004)

- Create a glossary of words from the TV show or movie.
- · Bring to class or post to blog.
- Write reflection paper on terms or concepts learned.
- Share with class.

33. Best 3 (Thiagi, personal conversation, 2003)

- 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.

34. Peer Mentoring Sessions (Bonk, 1996)

- 1. Have students sign up for a chapter wherein they feel comfortable and one that they do not.
- 2. Have a couple of mentoring sessions in class.
- 3. Debrief on how it went.

35. To Gloss or Not to Gloss? (ESL/EFL Training)

(Dr. Mei-Ya Liang, Taiwan, 2006)

- 1. Visit an instructional news website— <u>CNN</u> Interactive.
- 2. Read one news article and try out language exercises assigned by the instructor.
- 3. In personal blogs, post link to article, write a short 5-6 sentence summary, and note 10 new words and find their definitions using an online dictionary.
- Read and respond to other personal blog posts.
- 5. Write a synopsis of group summaries in class blog.
- 6. Perhaps create a class Wiki of all the new terms learned.



36. Inquiring Minds Want to Know! (ESL/EFL Training) (Mei-Ya Liang, 2006)

- 1. Think of a news topic and five questions about this topic.
- 2. Search for the news topic on Google News or Yahoo! News and choose a news article to read.
- 3. In personal blogs, post link to article, write a short 5-6 sentence summary, and note 10 new words and find their definitions using an online dictionary.
- Write down the search word(s) and questions.
- 5. Report to class or post to blog.
- 6. Read and respond to class member blogs.

37. Full Coverage! (Mei-Ya Liang, 2006)



- 1. Review various news articles.
- 2. Take turns discussing news summaries with group members online at Tapped In or use a Wiki.
- 3. Write a synopsis of all group members' news summaries.
- Copy and paste blog transcript in personal blog or class blog and provide link to students.

38. Hot Off the Press!

(Mei-Ya Liang, 2006)

- Revise and edit group members' news summaries and synopses; pick any to rewrite.
- 2. Make sure every sentence is correct.
- 3. Present and publish the group news project.
- 4. In personal blog, draft a synopsis of your group's news stories.
- 5. Groups revise and edit the synopses.



39. Online Word Competitions

(Bonk, 2007; Mei-Ya Liang, 2006)

- 1. Index online dictionaries, thesauruses, encyclopedias, and other referenceware.
- For example, have students use online dictionaries (e.g., <u>Cambridge Dictionaries</u> <u>Online</u>) and encyclopedias (e.g., <u>Encyclopedia</u> <u>Britannica</u>) and test them on different words.
- 3. Create columns with guessed meanings and dictionary meanings.
- Student(s) with most correct terms defined or used in a sentence wins.
- 5. Alternatively, have students use online dictionaries to create tests for other groups.

40. Course Weblog

(Bonk, 2007; Mei-Ya Liang, 2007)

- Create a class blog site (e.g., using Blogger (http://myliang.blogspot.com/) to create a sense of instructor presence and to link people from all over the world.
- 2. Post assignments and instructional prompts.
- 3. Group projects and news summaries are posted.
- 4. Add course related links for online materials, resources, tools, and Websites.
- resources, tools, and Websites.

 5. Add instructor's profile with bio and contact

41. Just Suppose or What If (L = Cost, L = Risk, M = Time)

- Imagine a situation or scenario and reflect on the consequences.
- "Just suppose you have six weeks of paid professional development each summer for workshops or classes like this, what would teaching be like?"
 What would learning be like?"

42. Creative Writing or Story Telling

- a. Tell a Tall Tale:
- One person starts a story and everyone adds something to it. You might throw a ball to the person who is to add to it or the instructor might decide or the next person could just jump in. Could be done via e-mail.



43. Wet Ink or Freewriting (L = Cost, M = Risk, M = Time)

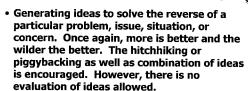
Writing without reflecting or lifting your pen for a set period of time.

 Just imagine: imagine you have created a highly active teaching situation...What do you see? Can students wonder, question, speculate, take risks, active listening, respect for ideas, withhold judgment, seek justification??? How is creativity fostered here? Describe environment. Physically, mentally, emotionally, etc...



44. Reverse Brainstorming





 For example, How can we decrease the use of active learning ideas in college settings?









45. Fat and Skinny Questions

- Have students write down fat (big, deep, controversial, etc.) and skinny (factual, surface level, etc.) questions while completing their readings, watching a video, completing group projects.
- · Share with partner or class and discuss.
- Or-give your students the fat or skinny questions before watch a video and then share answers (this helps to focus them).





- 46. PMI (Plus, Minus, Interesting) (L = Cost, L = Risk, M = Time)
- After completing a lecture, unit, video, expert presentation, etc. ask students what were the pluses, minuses, and interesting aspects of that activity.









47. Force Field Analysis on Problem

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

- Driving Forces: list on left side of a paper, the forces that might help them solve a problem (the allies!).
- Restraining Forced: list on the right, the forces that are working against them.
 What are the forces operating against the solution of the problem?
- Perhaps assign some value related to difficulty or importance and compare columns and make decisions (e.g., 0 (low) to 5 (high).

48. Reflection Papers: Job Application Papers (3-4 page)

 Students write reflection papers on how different concepts in class link or connect (or perhaps later might connect) to their present or future jobs. Perhaps provide them with sample papers from prior semesters.



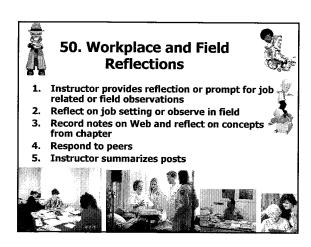
49. Questioning Options

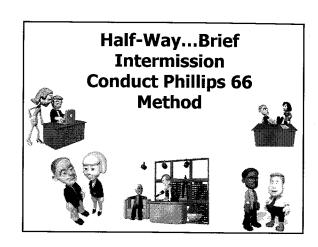
(Morten Flate Pausen, 1995; morten@nki.no)

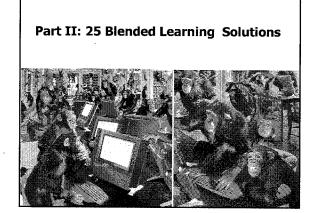
- Shot Gun: Post many questions or articles to discuss and answer any student choice.
- Hot Seat: One student is selected to answer many questions from everyone in the class.

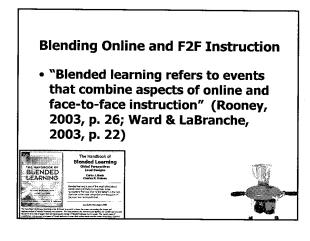


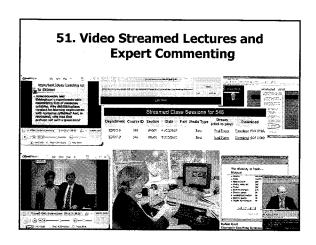


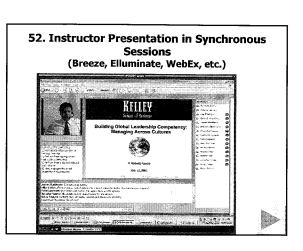


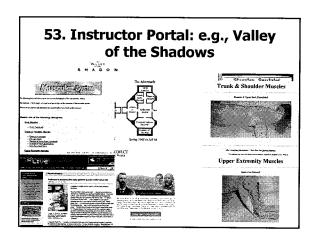


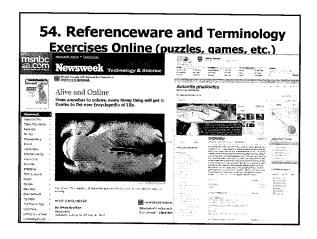


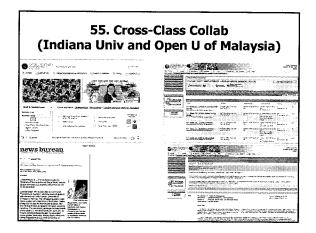


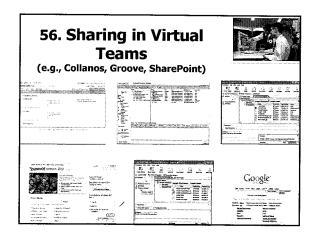


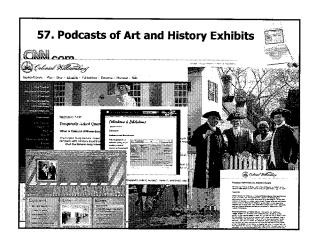


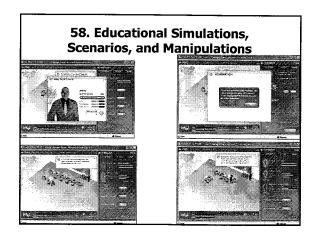


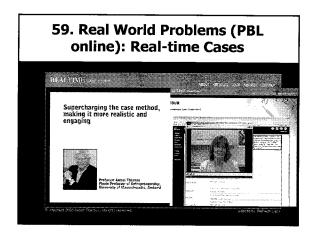


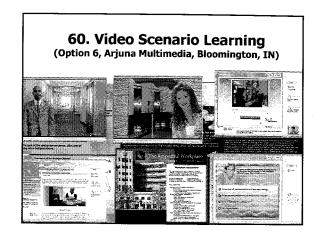


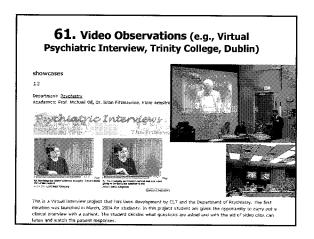


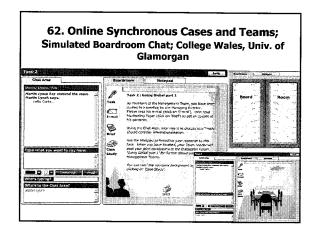


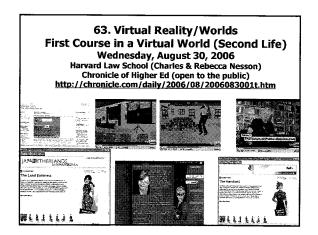


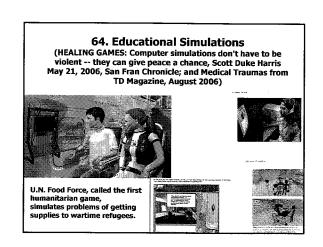


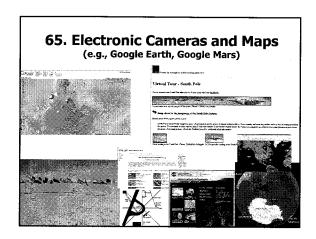


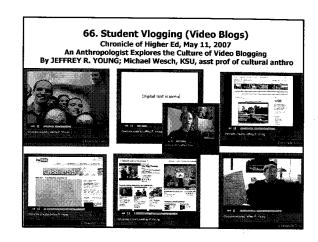


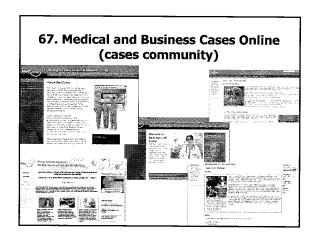


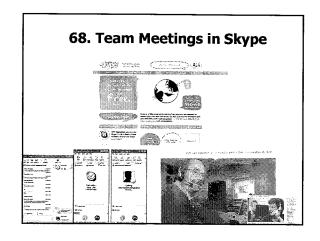


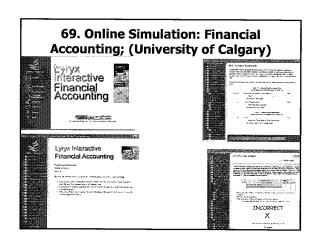


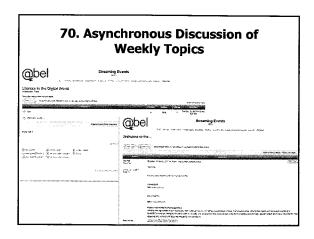


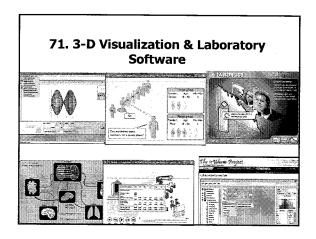


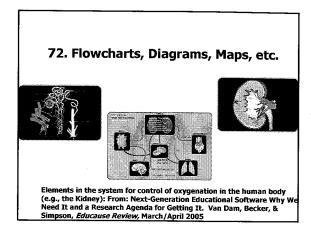


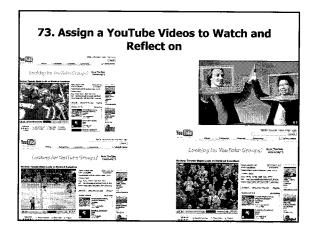


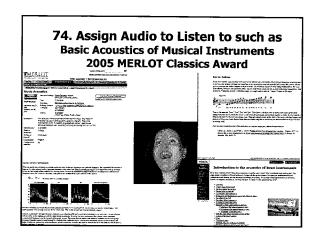


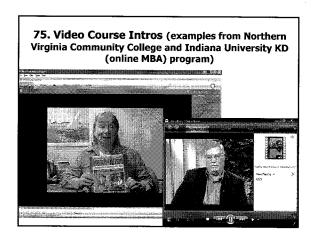




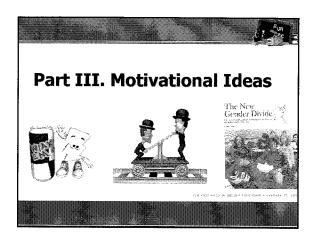








Reflection: What are 3 things you learned so far?



When say motivation, what words come to mind?

TEC-VARIETY Model for Online Motivation and Retention

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

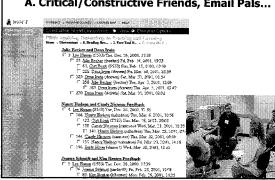
76. Tone/Climate:

A. Coffee House Expectations

- 1. Have everyone post 2-3 course expectations
- 2. Instructor summarizes and comments on how they might be met
- B. Public Commitments: Have students share how they will fit the coursework into their busy schedules



77. Encouragement, Feedback, etc.:
A. Critical/Constructive Friends, Email Pals...





78. Curiosity: Fun, A. Online Seance

- Students read books from famous dead people
- Convene when dark (sync or asynchronous).
- · Present present day problem for them to solve
- Participate from within those characters (e.g., read direct quotes from books or articles)
- · Invite expert guests from other campuses
- Keep chat open for set time period
- Debrief









79. Variety, Novelty: A. Video Streamed Lectures and Expert Commenting







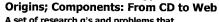
80. Autonomy, Choice: A. Multiple Topics

- 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.

100000000000000000000000000000000000000	a ty deptomorphismes a		۸.	
\$000000 (April 4				
18/4/09/5555	*			
E00000000000	20000 10 COMMON PROPERTY CONTROL			
\$0000000000				
\$1000000000000000000000000000000000000	242420000075006x6c6x6c6xcccc	10.23	004004	0.000.0000000
B0000000000000000000000000000000000000	- gg00000000000000000000000000000000000		- 4	
SECTION AND ADDRESS OF THE PARTY OF THE PART	33693666676666000000		7	per amount
NAME OF TAXABLE STREET	The Property Laboratory			pril: winesi
8 00000000000	A Per Per Leavent America		**	
	Direct Service market			galle, adjudyel
B0000000000000000000000000000000000000	Sachestine			pate, spices
	2/2/2007/06/20		•	-
	STATE PROPERTY.	٠	٠	-
	22998 NOVE CO.		•	-
	Commence of the Commence of th	•	ж.	private bet

81. Relevance: Meaningfulness:





- A set of research q's and problems that archaeologists have posed about the site
- · A complete set of data from site & background info
- Students work collaboratively to integrate multidisciplinary data & interpret age of site
- · Interpret of ancient environments
- · Analyze artifacts/fossils from site









82. Interactive, Collaborative:



- A. Panels of Experts: Be an Expert/Ask an Expert: Have each learner choose an area in which to become expert and moderate a forum for the class. Require participation in a certain number of forums (choice)
- B. Press Conference: Have a series of press conferences at the end of small group projects; one for each group)
- C. Symposia of Experts

83. Engagement: A. Discussion: Starter-

Wrapper (Hara, Bonk, & Angeli,

- Starter reads aftered and starts discussion and others participate and wrapper summarizes what was discussed.
- 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

84. Tension, Challenge, etc.:

- A. Online Role Play of Famous People, Mock Trial, Debates, etc.
 - 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 a little bit of a bias too. Also, I h

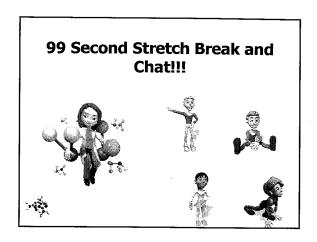
For me, my children, it's all about helping each other
Our friends Bruner and Vygotsky suggested that learn
parties, either! They wanted us to work together and
enables all of us to benefit from each other's knowled

4.5. HAPPY ARBOR DAY Jane Goodhail 04/23/0

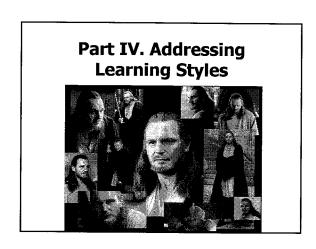
I hope that everyone has been feeling wonderful tod

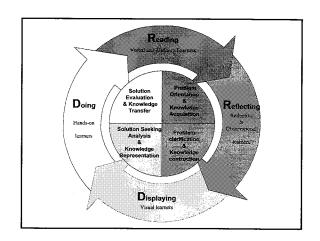




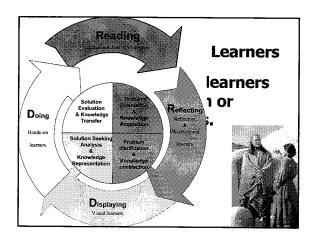


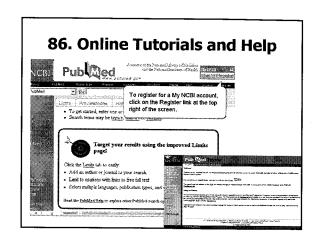












87. Use of Weblogs (especially English writing class) 1. Instructor or Tutor blog: resources, information,

- space to chat
 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



88. Educational Applications of Podcasting (Essex, 2006, Leftwich, 2007)

(Coursecasting

2. Supplemental t

3. Student projec

4. Interviews

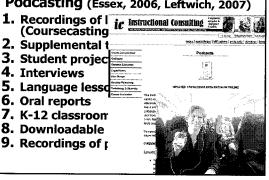
5. Language lesso

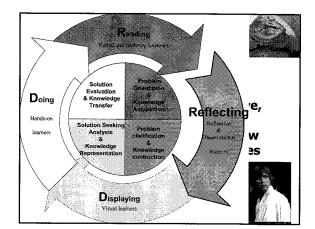
6. Oral reports

7. K-12 classroom

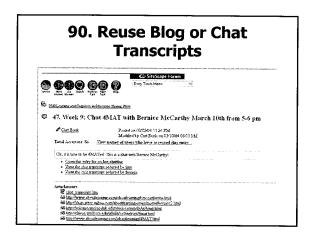
8. Downloadable

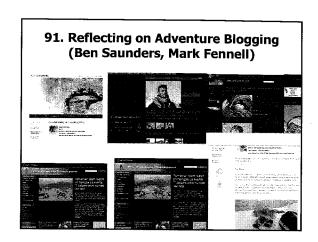
9. Recordings of p

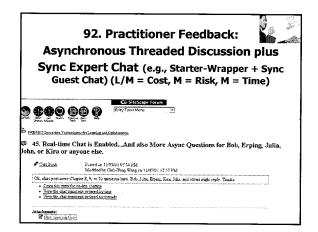


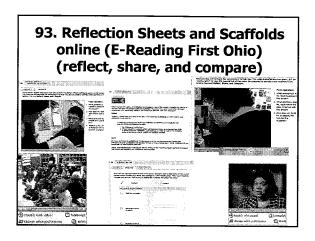


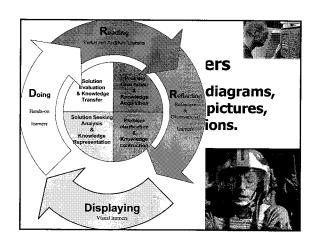
89. Post Model Answers ala sual kon Bio Roja sumb Leonard Dibert Paul kal 5-17-1336 **Employment Law and Ethics Project** Would it be illegal for Laura to recommend Billings instead of Lewis? Explain, being specific about the legal doctrines that would apply? MISWET I Under both Title VII of the 1964 Civil Rights Act and Section 1981 it is illegal to domininate on the basis of race or color, and Lewis would blothy win a learnatt using the cleam of disparate treatment life were not recommended for the promotion. If Leuis cees not recommend Lewis, the is guilty of violenting the law. None of the three primary difference—eminatity, martis, or bone file occupational quadification—spoply to this stitution since Lewis has higher sementally, equil kellis, and more detact experience with power tools, than does to char modeled retails billings. Talle VII "prohibits distrimination based on race, color, religion, sex, and national crigin in himse, fring, job assignments, pay, access to training and appreciateship programs, and most other employment detainous." ARFOO is a covered entity under Tall VII because they are "employang 15 or more temployees and engaging in an industry affecting inherstate commerce" and as the case footnotes point out "as of Nevember 21, 1991, the Certi Rights Act or 1991 starteded post close from the Certification of the Cer In this case, Title VII's disparate impact is not applicable since ARRCO's policy clearly states to "pros

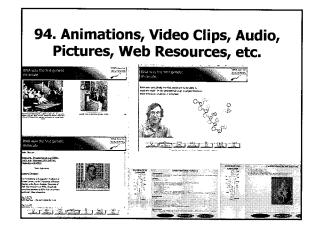


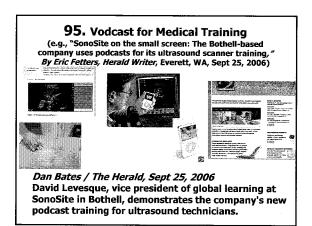


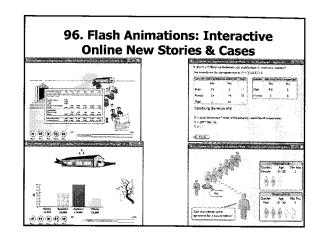


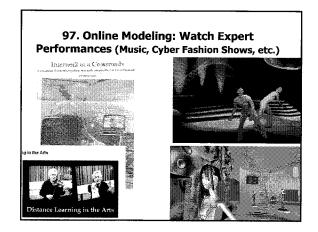


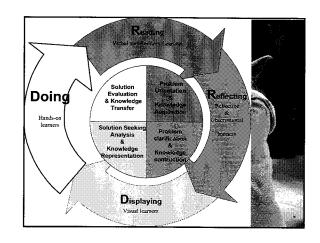


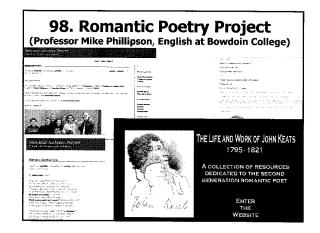












99. Wiki use in teaching

- 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



100. Survey Research Analysis (e.g., WebSurveyor, Zoomerang, Sur		0
(-g.,g, ou	reyonare, surveyney)	200000000000000000000000000000000000000
d a new question at the end of this survey		
i) What is the name of the e-learning course in wh	iich vou participated?	
The second secon	^[
) Did you access the course from your home comp — Select Here —	outer, work or school computer	or beth?
) Overall, how saddled or dissatisfied were you w	ofth the correct	
○ Very Dissatisfied	M Me comse:	
O Dissatisfied		
O Neither Salisfied or Dissatisfied		
○ Satisfied		
O Very Satisfied		
O Don't Know		

Stand and Share					
· Will Work:					
Might Work:					
• No Way:					