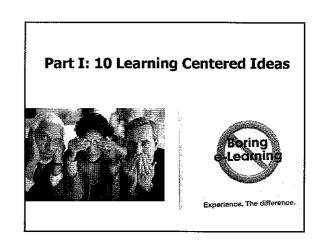


Task

- Ideas definitely Can Use (Circle or write down)
- Ideas you might use (check off or write down in a separate column)
- Ideas you cannot use (cross off or put at the bottom)

Low Risk	High Risk
1. Risk ←	······
Easy to Embed	Extensive
2. Time ←	Planning
Free or	Enterprise
3. Cost Inexpensive	Licenses
Instructor-Focus 4. Student-	Student-Focus
Centered Low	High



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

- Nature of the learning process
 Goals of the learning process
- 3. Construction of knowledge
- 4. Strategic thinking
- 5. Thinking about thinking 6. Context of learning

Cognitive and Metacognitive Factors Developmental and Social Factors

1. Nature of the learning process 10. Developmental influences on

11. Social influences on learning

Individual Differences
12. Individual differences in learning

13. Learning and diversity 14. Standards and assessn

Motivational and Affective Factors
7. Motivational and emotional influences

- 8. Intrinsic motivation to learn
- 9. Effects of motivation on effort



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 Irng 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. 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.





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 online forum.
- 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)



- · 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

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

http://webphysics.iupui.edu/jitt/jitt.html





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

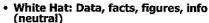
(L = Cost, M = Risk, H = Time)



- 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)



- 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!

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

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

- 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.

10. Best 3 Activity

(Thiagi, personal conversation, 2003) (L = Cost, L = Risk, L/M = Time)

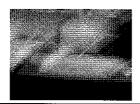
- After a lecture, have students decide on the best 3 ideas that they heard (perhaps comparing to a handout or dense sheet of paper).
- Work with another who has 3 as well and decide on best 3 (or 4).
- Those pairs work with another dyad and decide on best 3 (or 4).
- Report back to class.

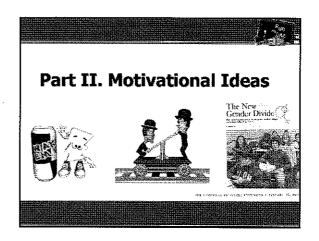


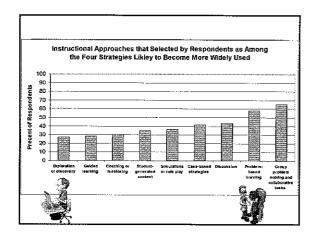
99 seconds: What have you learned so far?

 Solid and Fuzzy in groups of two to four









TEC-VARIETY Model for Online Motivation and Retention

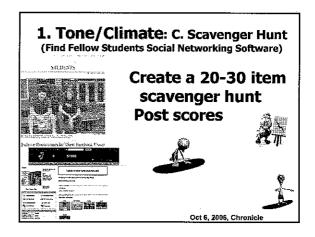
- 1. Tone/Climate: Psych Safety, Comfort, Belonging
- 2. Encouragement, Feedback: Responsive, Supports
- 3. Curiosity: Fun, Fantasy, Control
- 4. Variety: Novelty, Intrigue, Unknowns
- 5. Autonomy: Choice: Flexibility, Opportunities
- 6. Relevance: Meaningful, Authentic, Interesting
- 7. Interactive: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

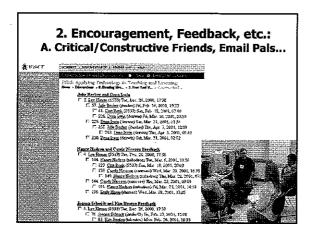
1. Tone/Climate:

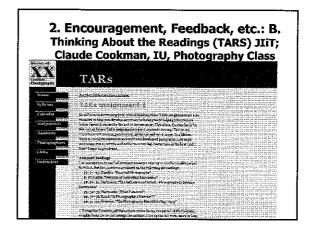
A. Coffee House Expectations

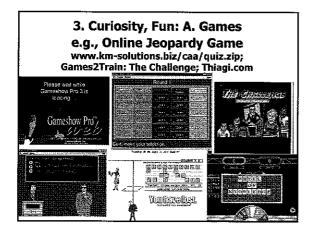
- 1. Have everyone post 2-3 course expectations
- 2. Instructor summarizes and comments on how they might be met
- B. Public Commitments: Have students share how they will fit the coursework into their busy schedules

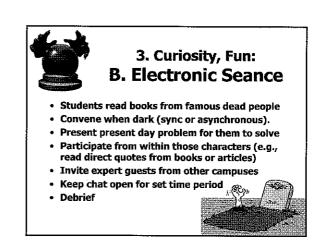


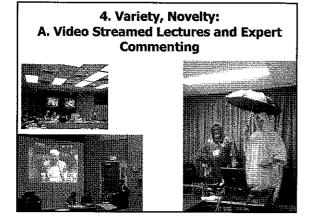


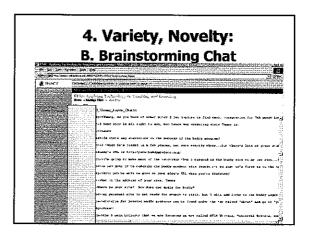














5. Autonomy, Choice: B. Multiple Topics

- 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. Relevance: Meaningfulness: A. Workflow Learning (Shell Oil example)

 In this context, authentic work-based activities are learning activities that are anchored in workplace practice and that are focused on developing the participants' ability to solve problems in their everyday professional job roles (Merrill, 2002).



6. Relevance: Meaningfulness: B. Authentic Data Analysis





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



7. 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

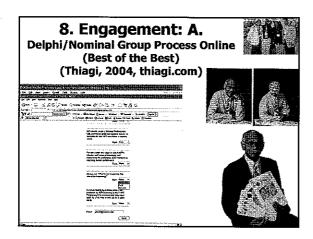
7. Interactive, Collaborative: D. Discussion: Starter-

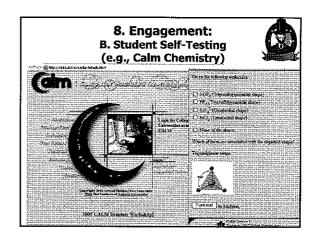


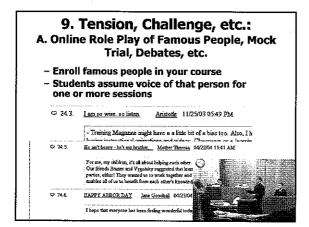
Wrapper (Hara, Bonk, & Angeli, 2000)

- Starter reads ahead 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).
- E. Alternative: Facilitator-Starter-Wrapper (Alexander, 2001)

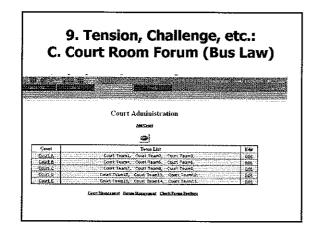
Instead of starting discussion, student acts as moderator or questioner to push student thinking and give feedback

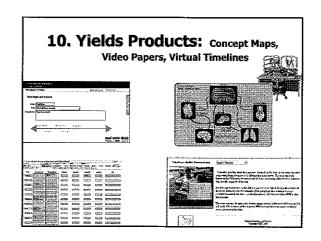








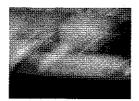




99 seconds: What have you learned so far?

 Solid and Fuzzy in groups of two to four





Part III. 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?

- a. Read (Auditory and Verbal Learners)
- b. Reflect (Reflective Learners)
- c. Display (Visual Learners)
- d. Do (Tactile, Kinesthetic, Exploratory Learners)

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

- 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.
- Reading and writing learners prefer text passages, words, and written explanations.
- Tactile or kinesthetic learners learn best by connecting to reality through examples, practices, or simulations.

Kolb (1984)

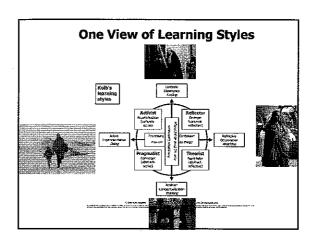
- · According to Kolb, effective learning involves four phases:
 - from getting involved (Concrete Experience) to
 - listening/observing (Reflective Observation) to
 - creating an idea (Abstract Conceptualization) to
 - making decisions (Active Experimentation).
- A person may become better at some of 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.



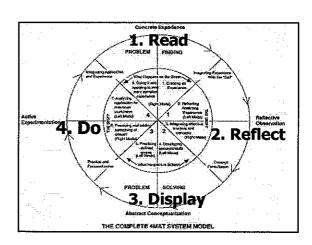
- (RO) I am careful and cautious.
- (AE) I am loud and outgoing.
- (RO) I am quite and somewhat shy.

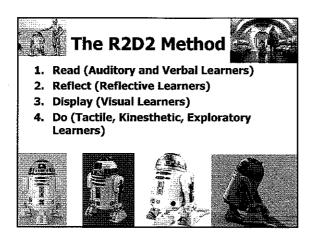


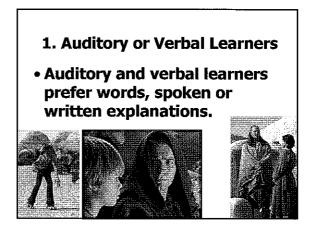
Index of Learning Styles Questionnaire Barbara A. Soloman, North Carolina State Univ http://www.engr.ncsu.edu/learningstyles/ilsweb.html

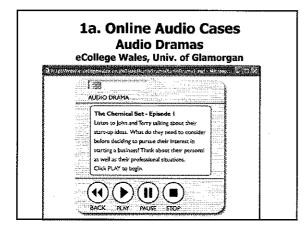


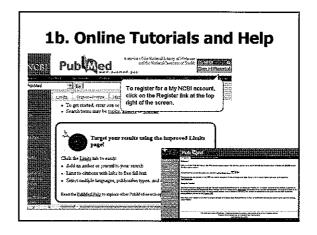
- 6. If I were a teacher, I would rather teach a cours
- (a) that deals with facts and real life aits (b) that deals with ideas and theories
- 7. I prefer to get new information in
 - (a) pictures, diagrams, graphs, or maps.
 (b) written directions or verbal informations.

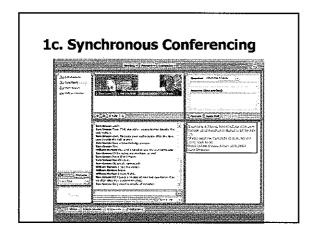


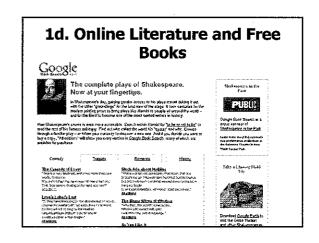












2. Reflective and Mac Observational Learners

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









2a. Post Model Answers

047-200E

Ambidi NI Ambidisente Associatifa a Person Tambidisente Associatifa a Person

Employment Law and Ethics Project

Question :

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

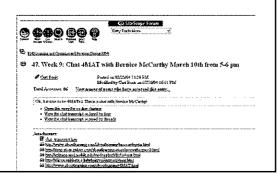
. Answer

Under both Tiles VII of the 1944 Croil Rights Act set Section 1981 in it illegal to discriminate on the basis of roce or soles, and Lewis would likely win a learned using the claim of disparate treatment. The write not recommended for this personices. I Learne does not recommended to the size giving the law. None of the date primarie definition—enough primary in the commended to the size giving of the size giving the law. None of the date primary definition—enough, making the law. None of the date primary definition—exply to this distribution cancel Lewis has trighter sensionly, qualit skills, and more size capterious with grown tool, should not be the other confident Fence Rillings.

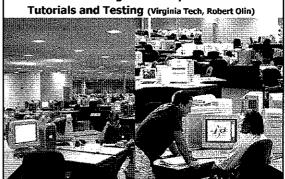
Tall VII "poshbiot distraination beard on sec, color, sellages, sex, and sudocal origin in hining firing job ensignments, space, access to teaming and supermisterishing programs, and most their employment decision." APPCO is a covered entity under Talle VII because they are "employing 15 or ance employees and engaging in an industry different interest commerce" and is the case foothers opinion wit "so Three-Reveal 22, 1091, the Croil Rights Act of 1997 is stended protein into one distraination in employment to U.S. citizens working in Foreign countains within a maniferent production of the contraction of the contr

In this case, Title YII'z disparate impact is not applicable since ARPCO's policy strarty states to "promote the most

2b. Reuse Chat Transcripts



2c. Video Streaming: Math Emporium of Online

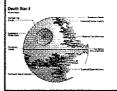


2d. Reflection Sheets and Scaffolds online (E-Reading First Ohio) (reflect, share, and compare)

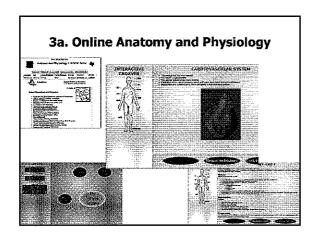


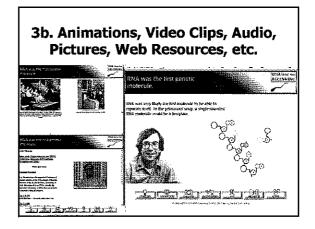
3. Visual Learners

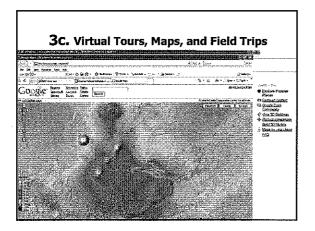
 Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

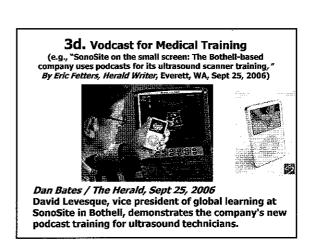


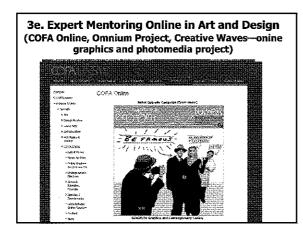


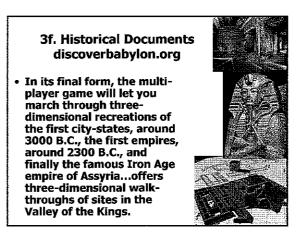


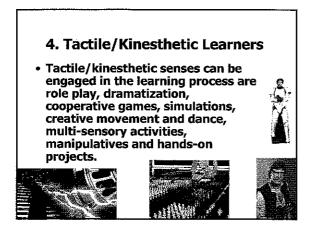


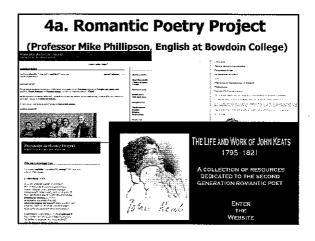








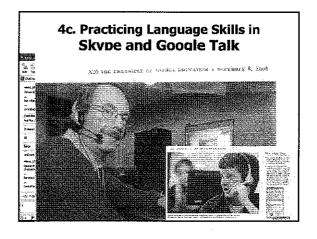


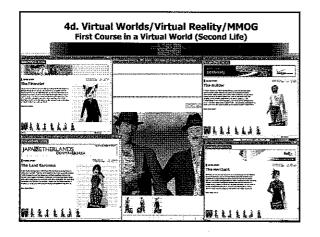


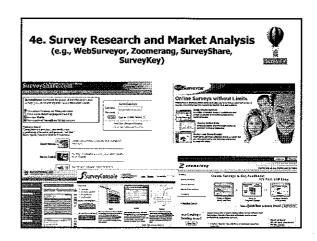
4b. Videoconferencing with Hearing Impaired Students Online

- 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









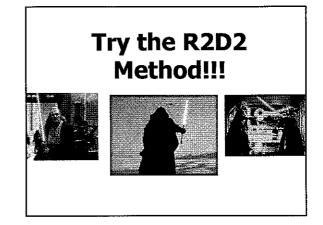
Next up: The MATRIX!!!!!!!!!!

- Mobile
- Auditory
- Thought-stimulating
- Reflective / Real-World
- vIsually Interactive
- eXtremely Hands-on









Stand and Share

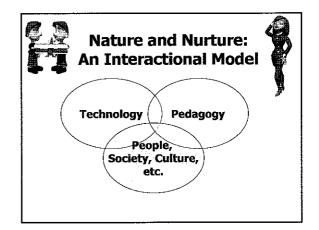
- Will Work: _
- Might Work: _
- No Way:











It is both Nature AND Nurture as well as PEOPLE!!! Technology is just part of the Equation

Sample papers at: http://www.publicationshare.com/ Archived talks at: http://www.trainingshare.com/

