
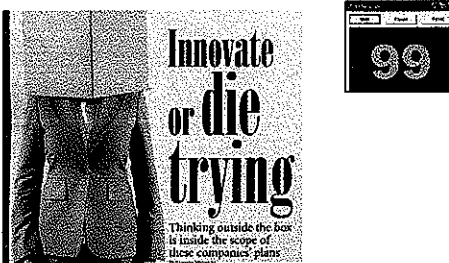
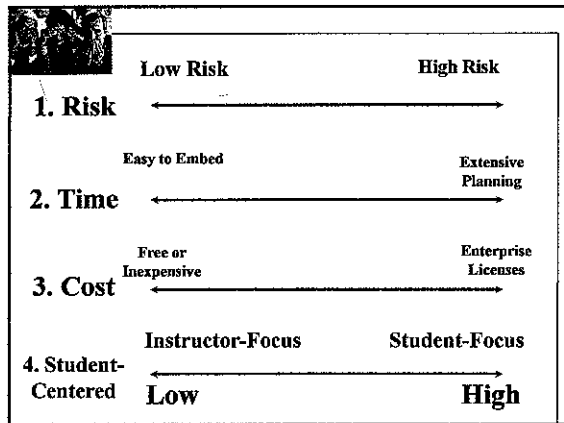
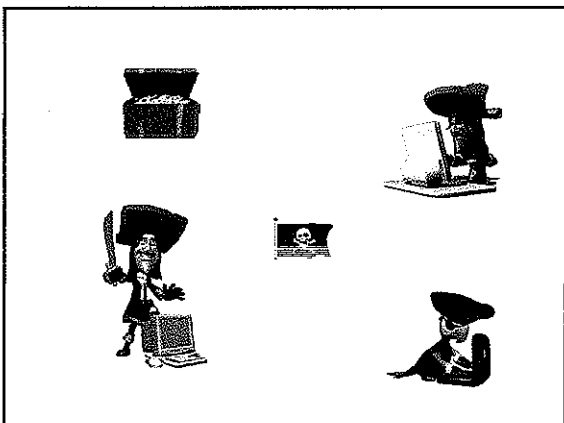


R2D2 on the Matrix: A Galaxy of Online Learning Style, Motivational, Blended Learning and Learner-Centered Examples

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




Let's Think Outside the Box!
 (For 99 Seconds—what technologies that you might not think about using for learning, might students today prefer to use?)

Task

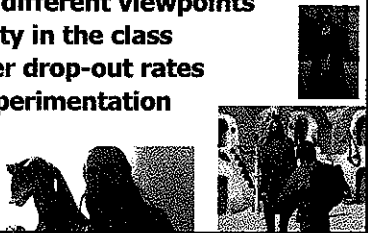
- Ideas definitely Can Use (Circle or write down)
- Ideas you might use (check off or write down in a separate column)
- Ideas you cannot use (cross off or put at the bottom)

Part I. 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



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:

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



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.



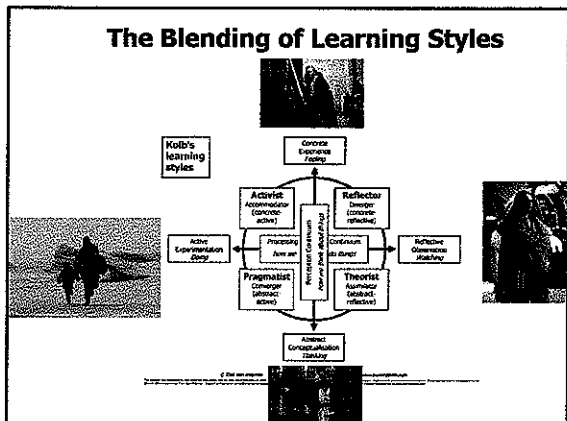
Active Experimentation vs. Reflective Observation

- (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.



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.



Index of Learning Styles Questionnaire

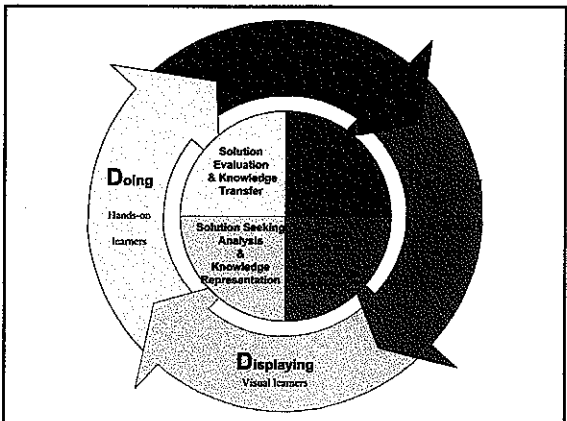
Barbara A. Solomon, North Carolina State Univ
<http://www.engr.ncsu.edu/learningstyles/ilsweb.html>

6. 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.

7. I prefer to get new information in

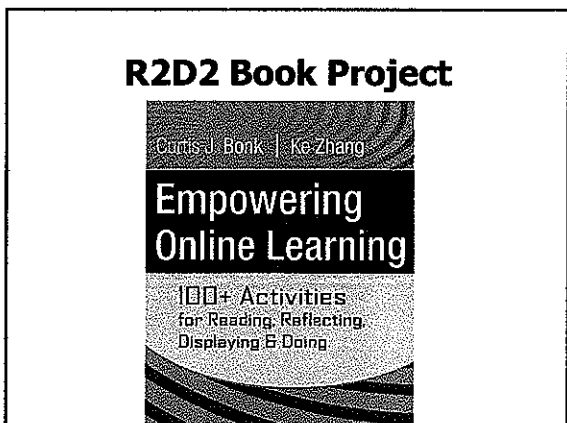
- (a) pictures, diagrams, graphs, or maps.
- (b) written directions or verbal information.



Dean of IU School of Education

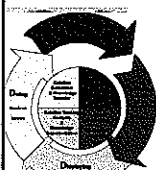


The R2D2 Method

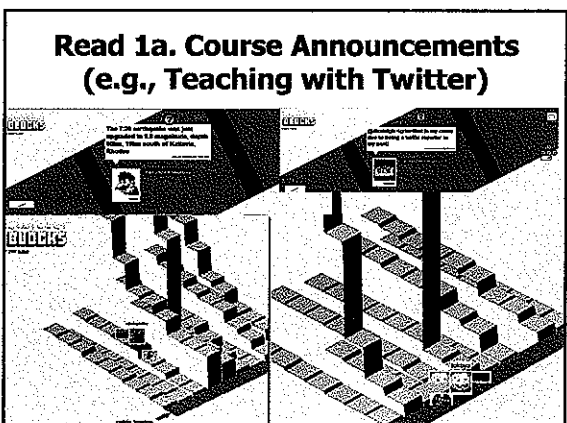
1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)



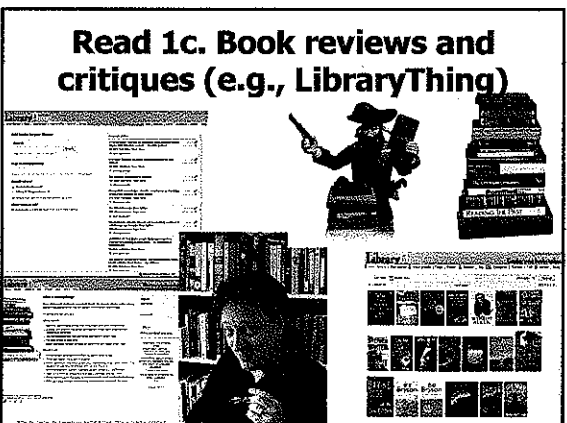
1. Auditory or Verbal Learners

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



Read 1b. Podcasts for Peace (World Bridges and EdTechTalk)



Read 1d. Find and Post Online Documents; Scribd

Scribd: <http://www.scribd.com/>

Read 1e. Vocabulary Practice Feeds the World
A Grain of Rice: A Bloomington man's computer vocab game
 feeding the world, Herald Times, Wednesday February 6, 2008
 Mike Leonard

Read 1f. Free Text Chats
 (Bonk, 2007; Mei-Ya Liang, 2007)

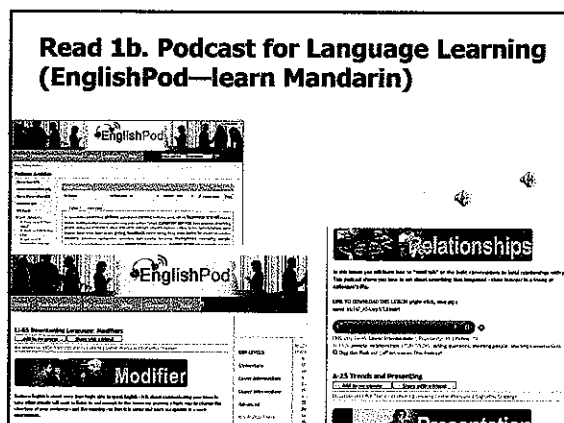
1. Agree to a weekly chat time.
2. Bring in expert for discussion or post discussion topics or issues.
3. Summarize or debrief on chat.
4. Advantages:
 1. Involve all learners in real time.
 2. Can type in different fonts, styles, colors, capital letters, graphic images, etc.
 3. Transcript of the discussion can be saved for later discussion.

Read 1g. Online Tutorials, Help, Announcements, Q&A, and FAQs

Read 1h. Podcast for Language Learning (ChinesePod—learn Mandarin)


FrenchPod

SpanishPod



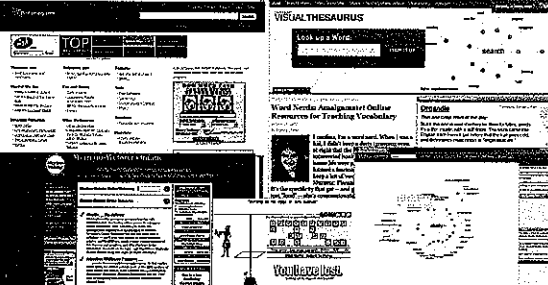
Read 1i. Educational Applications of Podcasting (Essex, 2006, Leftwich, 2007)

1. Recordings of lectures (Coursecasting)
2. Supplemental textbook or entire book
3. Student projects
4. Interviews
5. Language lessons
6. Oral reports
7. K-12 classroom interactions
8. Downloadable library of resources
9. Recordings of performances



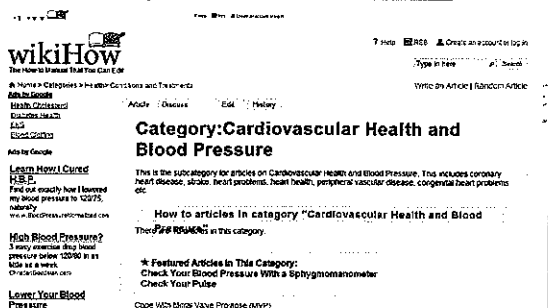
Read 1j. Referenceware and Terminology Exercises Online (e.g., Websters, Visual Thesaurus)

<http://www.visualthesaurus.com/>
(\$2.95/month; \$19.95/year)



Read 1k. Wiki Steps on How to do Something: Wikihow

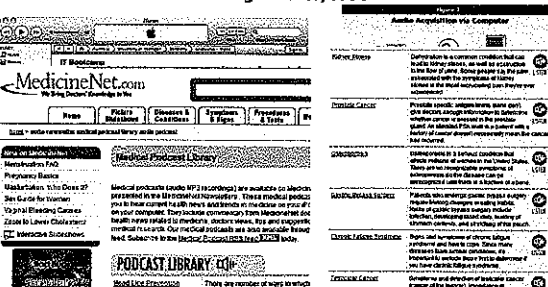
<http://www.wikihow.com/>



The screenshot shows the Wikihow website with a search bar at the top. Below it, there are several article titles and descriptions, including "Category: Cardiovascular Health and Blood Pressure". The website has a clean, white background with blue accents.

Read 1L. Podcasting Medical Lectures (School of Dentistry, Univ of Michigan)

Educause Quarterly, 29(3), 2006,
<http://connect.educause.edu/Library/EDUCAUSE+Quarterly/PodcastingLectures/39987>



The screenshot shows a medical website with a "Podcast Library" section. It features a search bar and a list of medical podcasts, including "Medical podcasts (audio MP3 recordings) are available to doctors presented in the EDUCAUSE Quarterly". The website has a professional, medical-themed design.

Read 1m. Medical Podcast Shows

Mediacast.com
News, Comment, Tips, & Meds

UNO Mediacast

Happy Times in Healthcare
With Dr. Ruben Rupa

Neurology News STAT!
FOR PRACTICING NEUROLOGISTS

CVMD
The Cardiovascular
Multimedia Information Network
Public Video Podcast

Read 1n. Business Podcasting

MBA Executive Podcasts

Podcasts

Podcast

Read 1a. Business Finance Podcasts

PODCASTDIRECT.COM

More Podcasts

CPAPodcasts

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

Reflect 2a. Reflection on Online Contents: The Carlyle Letters Exploring Victorian World Through Letters and The Diary of Samuel Pepys, John Evelyn

Reflect 2b. Online Portal Explorations (e.g., The Complete Works of Charles Darwin)

The Complete Works of Charles Darwin Online

Contributors

Reflect 2c. ORL or Library Day (L = Cost, M = Risk, M/H = Time) (Bonk, 1999)

20. Leadership That Sparks Learning

Leadership Posted on 04/05/04 07:43 AM

McClay, Erin, Marston, Robert J., & Waters, J. Timothy (2003). Leadership that sparks learning. *Educational Leadership*, 48(4), 51.

The authors look at 25 years of research that was done by the Mid-continent Research for Education & Learning. They really asked two questions: Do the focus and quality of leadership have a significant relationship to student achievement? What specific leadership responsibilities and practices have the greatest impact? The authors of this article present a direct correlation between leadership and student achievement. They found that "Leadership matters. We can expect only better leadership, and effective leaders can only know what to do, but how, when, and why to do it." The article continues to go deeper to explain each one of these conditions.

I believe this article would be beneficial for anyone who wants to be a school leader.

Reply: 04/05/04 08:25 AM

20-1 (no ID)

CONGRATULATIONS you have your article done! Great work! I am very glad!

I think that the text for this semester has a great content to leadership! Each of the different theories has been an important leader in the area of education/practice!

You have done a great job summarizing all of the articles. Good luck with your ORL summary project!

20-2 (no ID)

20-3 (no ID)


Thank you so much for your support and encouragement through the semester. You have made this assignment so interesting and fun!

ORL for Eric Vogt

ORL for Fred Unicker

Reflect 2d. Reflection Papers: Individual Reflections or Super Summaries of what learned in the course (3-4 page)

- Learning journeys/Super Summaries:
 - Have students reflect on their learning journeys in a course.
 - Have them reflect and compare the concepts that they have learned to others.
 - Perhaps compare to sample papers from previous semesters.



Reflect 2e. Posting Model Answers

Lesson 5M
Employment Law and Ethics Project

Employment Law and Ethics Project

Question 1

Would it be illegal for Lexus to recommend Billings instead of Lewis? Explain, being specific about the legal doctrine 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 Lexus 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." AEOCO 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 case focuses points 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 AEOCO's policy clearly states to "promote the most

Reflect 2f. Paired Weblog Critiques

STUDENT WE BLOGS
EDER679.20 - Blended Learning

Articles

Franklin, Robert (2007). *World's Largest Open Source Education Library*

John, William (2007). *Open Source Business Models*

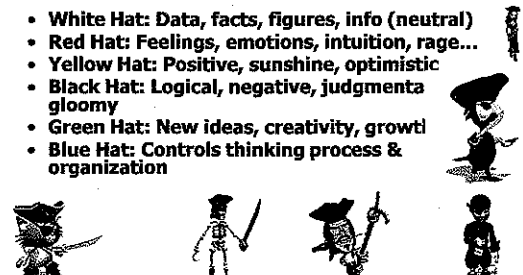
Other Goals

Curriculum - Technology

Author	Student Critique	Student Peer Review
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Stephen Mauer	Landon Kim
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Scotty Brinkley	Ryan Leonard
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Wally	Eric Lee
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Alan Zander	Lee Adams
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Landon Kim	Pat Anderson
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Frank Brinkley	Vivian Foster
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	John Adams	Charles Parkin
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Ryan Leonard	Li Yu
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Thomas Whitson	Alan Zander
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Robert Foster	Wally
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Eric Lee	Yan Zhang
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Pat Anderson	Wally
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Wally	Wally
Adams, JB (2007). <i>Open Source: A New Paradigm for the Future of Education</i>	Wally	Wally

Reflect 2g. Six Hats (Role Play): (from De Bono, 1985; adopted for online learning by Karen Belfer, 2001, Ed Media)

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



Reflect 2h. Blogs Uses (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

Blogging Questions

1. Who has a blog?
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?

Reflect 2i. Personal Learner Weblog


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

1. Create personal learner blogs.
2. Note online learning materials found or read (e.g., online news sites, Web search engines, online dictionaries, etc.)
3. Outline of key points of readings.
4. Write reflections on news stories.
5. Record results of group activities in news sites and text chat rooms.
6. Provide peer comments on blogs.

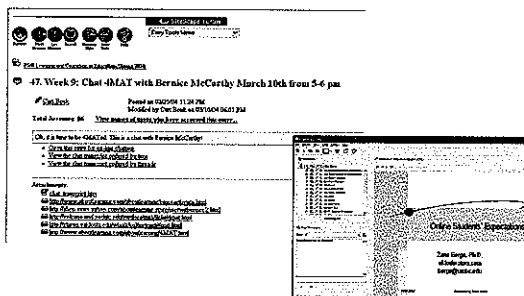
Reflect 2j. Course Weblog

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

1. 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.
5. Add instructor's profile with bio and contact info.

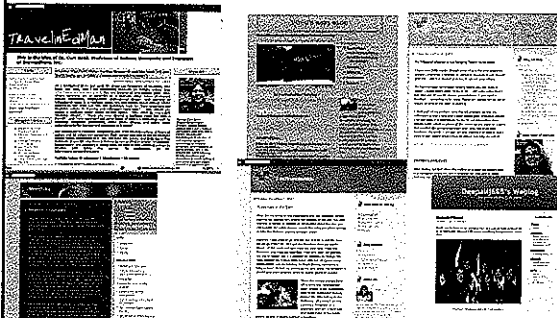


Reflect 2k. Reuse Blog, Chat Transcripts, Presentations



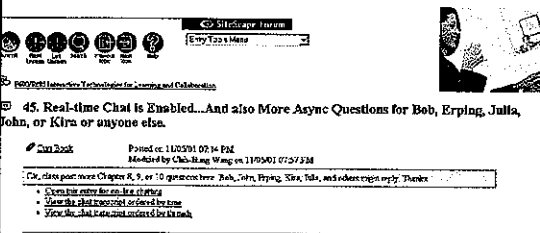
Reflect 2l. Blogs with Critical Friends

(e.g., <http://travelinedman.blogspot.com/>)



Reflect 2m. Practitioner Feedback: Asynchronous Threaded Discussion plus Sync Expert Chat

(e.g., Starter-Wrapper + Sync Guest Chat) (L/M = Cost, M = Risk, M = Time)



Reflect 2n. Expert and Domain Specific Blogs (Health Blogs)

Kevin, M.D. Medical Writing

health

3.75

Reflect 2o. Explore and Write Reflection Papers on Online Healthcare News, Medical Libraries, Associations, Organizations, etc.

AHRM

hospitalconnect.com

Disaster Preparedness

ACA Insurance Reform

OSCMetric

Reflect 2p. Watch or Listen to Online Conferences, Courses, etc. (e.g., Disaster Preparedness and other areas)

3rd International Online Conference on Business and Management

Disaster Preparedness

Reflect 2q. Business Blogs and White Papers

Public Financial Management Blog

Capital Budgeting and Public Financial Management - Part 1

Reflect 2r. Community of Learners: Business Cases Online (problems, solutions, etc.)

biz/ed

Case Study - Continental

Reflect 2s. Online Synchronous Cases and Teams; Simulated Boardroom Chat; College Wales, Univ. of Glamorgan

Chat Area

Task 2 - a 60min global part 1

**Half-Way...Brief Intermission
Please Share Best Idea so far
with neighbor**

3. Visual Learners

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

Display 3a. Pubcasts! (videos of scientific papers and science)
NSF, the Public Library of Science, and the San Diego Supercomputing Center created a YouTube for scientists to help demystify important research papers. See SciVee <http://www.scivee.tv/>

Display 3b. Online Historical Document (e.g., Turning The Pages, British Library)

Display 3c. Shared Online Video Demonstrations (e.g., Monkey See, doFlick)

Display 3d: Video Supported Language Learning (e.g., ECPod)

Display 3e. Visual Resources (e.g., Periodic Table of Visualization; Visual Thesaurus
<http://www.visualthesaurus.com/>; http://www.visual-literacy.org/periodic_table/periodic_table.html)

A PERIODIC TABLE OF VISUALIZATION METHODS

A PERIODIC TABLE OF VISUALIZATION METHODS

Display 3f. Online Anatomy and Physiology

INTERACTIVE CADAVER

CARDIOVASCULAR SYSTEM

Display 3g. Adventure Blogging
 (Ben Saunders, Mark Fennell, Andrew Revkin)

POSTCARDS FROM THE ARCTIC

As part of an ongoing look at big climate shifts in the Arctic

Display 3h. Online Universe
 What if the World was Beyond our World?
 NASA's Hubble Space: Google Sky) USA Today, August 22, 2007
<http://earth.google.com/sky/index.html>

ip space

Display 3i. Animations, Video Clips, Audio, Pictures, Web Resources, etc.
 (e.g., DNA from the Beginning)

DNA was the BEGINNING

RNA was the first genetic molecule.

RNA was very likely the first molecule to be able to replicate itself. In the primordial soup, a single-stranded RNA molecule could be a template.

Display 3j. Online Video
 (e.g., YouTube, TeacherTube, CurrentTV)
 CHARLES McGRATH, Published: July 8, 2008, A Private Dance?
 Four Million Web Fans Say No, The New York Times

Atlix, Solomon Islands

Austin, Texas

Madrid, Spain

Istanbul, Turkey



Display 3k. Anchored Instruction (find anchoring event (YouTube, CNN, BBC, TeacherTube, CurrentTV)

- 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.

Display 3l. Electronic Cameras and Maps (e.g., Google Earth/Maps)

Display 3m. Map Mash-ups
 (e.g., Shakespeare's Global Globe; PopSci, June 13, 2008, Michael Behar
 GOOGLE EARTH ENVIRONMENT GUIDE THE FREE SOFTWARE FROM GOOGLE
 GIVES SCIENTISTS A NEW WORLD VIEW

Display 3n. Online Timelines (US Presidents)

Display 3o. Tracking Live Internet Events (e.g., Thawing: A Colossal of an Idea (caught Feb. 2007; thawed April 30, 2008)

Deep-Sea Behemoth
 Captain John Bennett examines the world's first intact adult male colossal squid on board his New Zealand fishing boat in February, 2007, in the Ross Sea near Antarctica. The gigantic sea creature weighs a world record 1,089 pounds. After being frozen whole for over a year, scientists at New Zealand's national museum will thaw the squid for further study.

**The Kracken! A Sea Serpent!
A Gigantic Squid!**
(California Coast June 27, 2008)

Display 3p. Vodcast for Medical Training
(e.g., "SonoSite on the small screen: The Bothell-based company uses podcasts for its ultrasound scanner training,"
By Eric Fetters, Herald Writer, Everett, WA, Sept 25, 2006)

Display 3q. Concept Mapping and Timeline Tools
(VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)

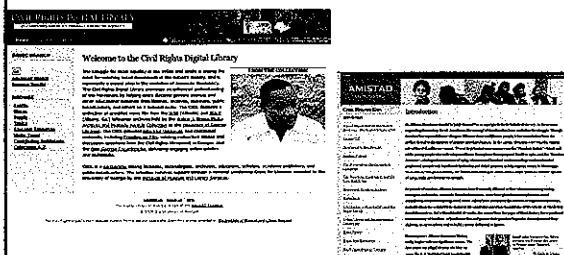
Display 3r. Expert Mentoring E-Art & E-Design
(COFA Online, Omnium Project, Creative Waves—online graphics and photomedia project)

Display 3s. Historical Documents
discoverbabylon.org

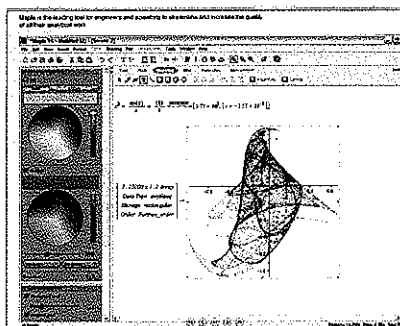
- In its final form, the multi-player game will let you march through three-dimensional recreations of the first city-states, around 3000 B.C., the first empires, around 2300 B.C., and finally the famous Iron Age empire of Assyria...offers three-dimensional walk-throughs of sites in the Valley of the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

Display 3t. Explore Virtual Worlds and Online Representations
(UCLAs CVRLab, Univ of Virginia, June 11, 2007)

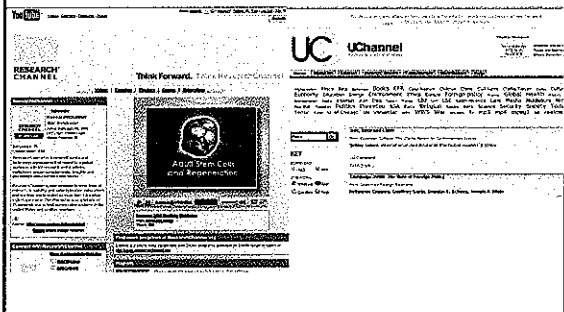
Display 3u. Online History Portals and Resources (Civil Rights Digital Library and Amistad)



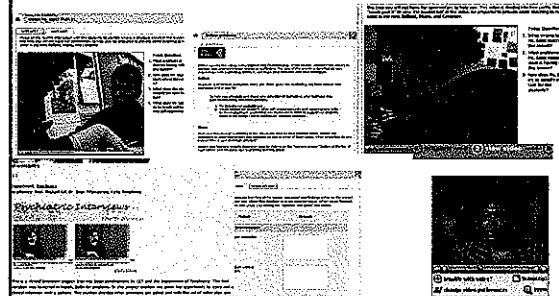
Display 3v. Math Representation



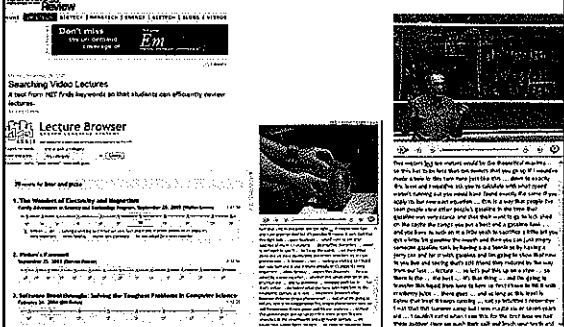
Display 3w. Online Research Channels (Research Channel, UChannel)



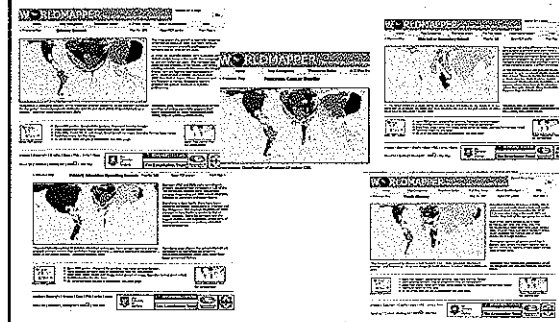
Display 3x. Reflection Sheets and Scaffolds online (E-Reading First Ohio) (reflect, share, and compare)



Display 3y. OpenCourseWare Video Browser (New Ways to Find Lectures)



Display 3z. World Trends and Indices (e.g. Worldmapper)



Display 3aa. Medical Animations and Videos (find anchoring event (YouTube, CNN, BBC, TeacherTube, CurrentTV))

The screenshot shows a YouTube video player interface. The video title is "Amazing 3D medical animation 1". The video content displays 3D anatomical models of the human body, including a full-body view and a close-up of internal organs. The YouTube navigation bar is visible at the top, showing the search bar and various menu options.

Display 3ac. Video Streamed and Webcast Lectures

The screenshot shows the Berkeley University of California website. A prominent video stream is featured in the center, showing a person speaking. The website layout includes navigation menus, search bars, and various news or event listings. The Berkeley logo is visible at the top left.

Display 3ad. Broadcast Surgeries

Evaluating an In-Vivo Surgical Training Demonstration over Broadband Internet

Duncan Stevenson
CSIRO ICT Centre &
Department of Computer Science, Australian National University
GPO Box 664, Canberra, Australia, 2601
duncan.stevenson@csiro.au

This display includes a central diagram illustrating a network setup for surgical training. The diagram shows a "Participant" connected to a "Network" which is linked to a "Video" stream. Below the diagram, there are several photographs showing a surgical team in an operating room, with one image showing a close-up of a surgical procedure.

Display 3ae. Map Mash-ups

(e.g., Shakespeare's Global Globe; PopSci, June 13, 2008, Michael Behar
GOOGLE EARTH ENVIRONMENT GUIDE THE FREE SOFTWARE FROM GOOGLE
GIVES SCIENTISTS A NEW WORLD VIEW

The display features a collage of map mash-up images. It includes a globe with various data overlays, satellite imagery of a landscape, and other visualizations that combine geographical data with other information. The images are arranged in a grid-like pattern.

Display 3af. Human Embryology Animations (Valerie O'Loughlin, Indiana University)

This display contains several images related to human embryology. It includes a large image of a fetus in a womb, a diagram of a developing embryo, and other anatomical illustrations. The text is arranged around these images, providing information about the development of the embryo.

Display 3ag. Business Simulations and Advice

The screenshot shows a YouTube video player interface. The video title is "The market: Running the business - Quarter end - Debrief". The video content shows a person sitting at a desk, likely participating in a business simulation. The YouTube navigation bar is visible at the top.

Display 3ah. Video Blog (Vlog)

Video Marketing for Business Vlog

Amazing Jellyfish-like Simulation - Smart Technology

Here's our favorite of the week. It's from Tech, a German technology firm. Can you imagine having simulated so perfectly the movements of a jellyfish?



MONDAY, NOVEMBER 24, 2008

ABOUT ME

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Carl Z. Brown, Jr. is a former NASA scientist and the author of the book "The Art of the Possible". He is currently a senior advisor at Brown Brown, a leading video production and distribution company.

Display 3i. Business Vodcasts

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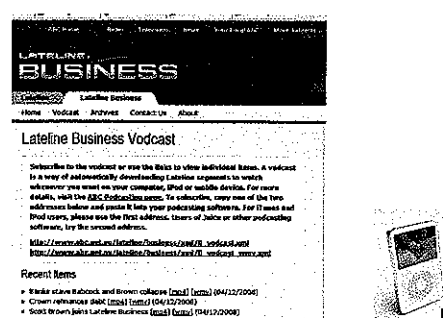
Lateline Business Vodcasts

Subscribe to the vodcast or use the links to view individual items. A vodcast is a way of automatically downloading Lateline segments to watch whenever you want on your computer, iPod or mobile device. For more details, visit the FAQ Contact Us page. To subscribe, copy one of the two addresses below and paste it into your podcasting software. For iTunes and iPod users, please use the first address. Users of Juice or other podcasting software, try the second address.

Video: <http://www.abc.com.au/lateline/business/2008/11/20/666666.html>
 iTunes: <http://www.abc.com.au/lateline/business/2008/11/20/666666.html>

Recent Items


- Frank Stave, Abbott and Brown collapse (pod) (11/12/2008)
- Crown refinances debt (pod) (11/12/2008)
- Scott Brown joins Lateline Business (pod) (11/12/2008)
- Trade balance soars (pod) (11/12/2008)
- Finance minister's life reviewed (pod) (11/12/2008)



Display 3f. Shared Online Video Demo (e.g., Monkey See, doFlick)

Monkey See

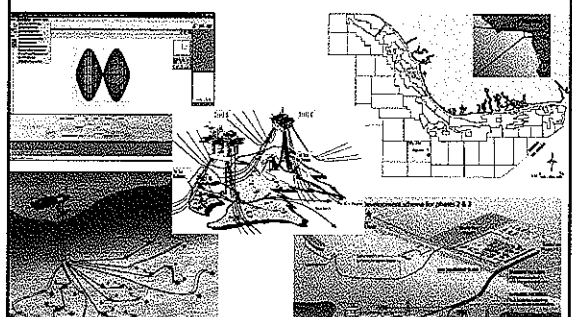
How to Start a Small Business



Share this video on:

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- Download
- Share to Facebook
- Share to Twitter
- Share to LinkedIn
- Share to MySpace
- Share to YouTube
- Share to Google+
- Share to Print
- Share to Email

Display 3aj. Exploration and Demonstration: Virtual Fieldtrip and Tours




Display 3ak. Videostreamed Lectures (Professor Marian Diamond, Biology)

Berkeley


Integrated Biology 231 - Lectures 02: Ecological System

Integrated Biology 231 - Lectures 01: Organization of Body



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.




Do 4a. Wikibooks: International Collaboration (Web 2.0 and Emerging Learning Technologies (The WELT))

Learning Technologies

Introduction: This book began as a class project in July 2006 with a small class of pre-running students. We knew nothing about how to create or edit a Wikibook, but we decided to try it anyway. We received a lot of help from the active Wikibooks community, and through the course of that summer I added to the book again and again until Spring 2007. When we read the book as our textbook and prepared again a chapter by chapter. We are happy with our accomplishments, but the book could still be much improved. We need YOUR help to make this the best Wikibook on Wikibooks available, not simply the best free physiology textbook. As other classrooms have adopted this book to avoid a textbook in the fall, please do not let an emerging technology go unused and to a wastebasket, and we can discuss more options for the book. Of course, we will be glad to make changes for the better of editing, design, and layout. Here is a list of suggested ways to contribute if you are looking for a place to start. If you are new to editing Wikis, then please register on Wikibooks, and just through this editing page. Thanks for accepting help you find this 2 useful resources and that you already share your knowledge of human physiology with the world. (Last Edited 12/21, 21 October 2007 (UTC))

Der Mensch als Industriepalast



Contents:


1. Homebook
2. Cell Physiology
3. Integumentary System
4. The Nervous System
5. Sensory
6. The Muscular System

Do 4b. Wiki: Romantic Poetry Project (Professor Mike Phillipson, English at Bowdoin College)

THE LIFE AND WORK OF JOHN KEATS
1795 - 1821

A COLLECTION OF RESOURCES DEDICATED TO THE SECOND GENERATION ROMANTIC POET

ENTER THE WEBSITE




Do 4c. Using Online Video (e.g., YouTube) to Memorize Sonnets and Poems

How to Memorize Sonnets




Do 4d. Virtual Worlds/Virtual Reality/MMOG


Wednesday, August 30, 2006
Harvard Law School (Charles & Rebecca Nesson)
Chronicle of Higher Ed (open to the public)
<http://chronicle.com/daily/2006/08/2006083001t.htm>



Do 4e. Virtual Worlds (limited programming skill; e.g., Google Lively)

Google Lively

Create an avatar and chat with your friends in your own digital environment.

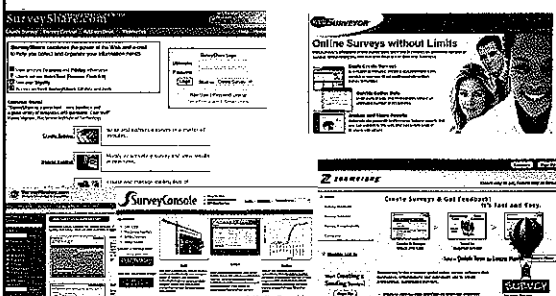


Do 4f. Survey Research and Market Analysis (e.g., WebSurveyor, Zoomerang, SurveyShare, SurveyKey)

SurveyShare.com

Online Surveys without Limits

SurveyConsole



Do 4g. Mobile Learning and Social Networking (e.g., Mixi, Yayoi Anzai, Professor Japan)

Do 4h. Online Warm-ups Activities Just-In-Time-Teaching (JiTT) <http://webphysics.iupui.edu/jitt/jitt.html>

Do 4i. 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)

Do 4j. Cool Resource Provider (Bonk, 2004) Capture and Videostream Lectures (e.g., Apresso CourseCaster)


Cool Stuff

- 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.

Do 4k. Virtual Crime Scene: Explore Murder Evidence (Arjuna Multimedia, Bloomington, IN)

Do 4l. Syllabus, Glossary, etc. in wiki: Students sign up for tasks (Ron Owston, York University)

Do 4m. Hands-On Frog Dissection (Net Frog, Univ. of Virginia)



Net Frog Dissection

Goal 1: Materials

- Access to a computer with internet access
- Access to a printer
- Access to a scanner
- Access to a camera
- Access to a digital camera
- Access to a digital scale
- Access to a digital microscope

Goal 2: Procedure

1. Log on to the Net Frog Dissection website
2. Click on the "Dissection" link
3. Click on the "Materials" link
4. Click on the "Procedure" link
5. Click on the "Microscopy" link
6. Click on the "Camera" link
7. Click on the "Scale" link
8. Click on the "Microscope" link


Goal 3: Assessment

• Complete the Net Frog Dissection assessment

Goal 4: Reflection

• Complete the Net Frog Dissection reflection

Do 4n. Educational Simulations (Medical Traumas from TD Mag, August 2006, Cells Alive)



DELIVERING TRAINING


CELLS ALIVE

• **Cells Alive** is a free educational simulation that allows users to explore the life cycle of a cell, from the moment it is fertilized to the moment it divides. It includes a comprehensive glossary of biological terms and a detailed description of the cell cycle.

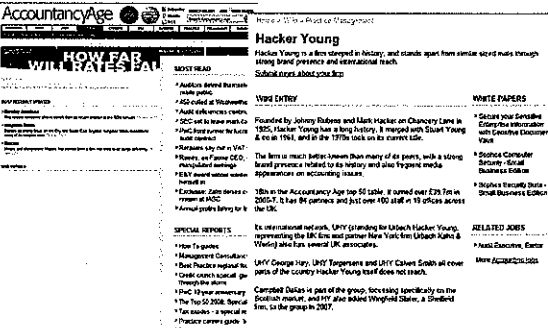
• **Medical Traumas** is a free educational simulation that allows users to explore the effects of various medical traumas on the human body. It includes a comprehensive glossary of medical terms and a detailed description of the effects of each trauma.

Do 4m. Peer Critique in Breeze (Table of Benefits of Peer Critique; Park & Bonk, in press)

- Providing immediate feedback
- Increasing interactions among participants
- Encouraging to exchange multiple perspectives
- Enhancing dynamic interactions
- Promoting passive to become active
- Strengthening social presence
- Apply skills just learned
- Exchange constructive feedback



Do 4n. Business Management and Accounting Wiki



AccountingAge

Hacker Young

Hacker Young is a firm steeped in history, and stands apart from similar sized firms through strong brand presence and educational reach.

WRITE PAPERS

- **Share your expertise** - Contribute to the AccountingAge Wiki
- **Share your expertise** - Contribute to the AccountingAge Wiki
- **Share your expertise** - Contribute to the AccountingAge Wiki

RELATED JOBS

- **AccountingAge Wiki** - Contribute to the AccountingAge Wiki
- **AccountingAge Wiki** - Contribute to the AccountingAge Wiki
- **AccountingAge Wiki** - Contribute to the AccountingAge Wiki

Poll #3: How many ideas did you get from this morning?

- a. None—you are an idiot.
- b. 1 (and it is a lonely #).
- c. 2 (it can be as bad as one).
- d. 3-5
- e. 6-10
- f. Higher than I can count!

What can we say about Web- based technology???

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

**3 Stop and Share:
Top Three Things
Learned so Far! 3**

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

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

**Try the R2D2 Method!!!
Try TEC-VARIETY!!!**

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

Stand and Share Ideas

- Will Work: _____
- Might Work: _____
- No Way: _____

Boring Learning

Experience. The difference.