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Masterclass Part 1: The Rise of Shared Online Video, the Fall of **Traditional Learning**





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July 24, 2010 Reaching the Last Technology Holdouts at the Front of the Classroom,

Jeffrey Young, Chronicle of Higher Education http://chronicle.com/article/Reaching-the-Last-Technology/123659/



Why Use Video?

- 1. Importance of shared online video: educational psychologists such as David Ausubel (1978) argued that knowledge was hierarchically organized.
- 2. New learning concepts and ideas to be subsumed under or anchored within prior learning experiences.





Why Use Video?



- 3. Ausubel suggested that new info is going to be meaningful if it is anchored (i.e., attached or related) to what learners already know and understand.
- 4. Advance Organizers: Provide a context, richer learning, can be replayed for key concepts, bring students to the real world, discussion, reflection, common experience, and the potential for higher order thinking skills.

Video

Why Use Video?

- 5. Dual coding theory (learning information verbally and visually is more richly stored): Alan Paivio.
- 6. Anchored instruction and macrocontexts: John Bransford and colleagues.
- 7. Multimedia theory: Richard Mayer.



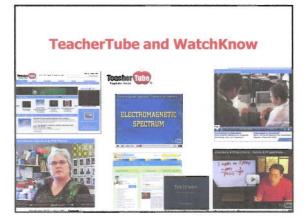


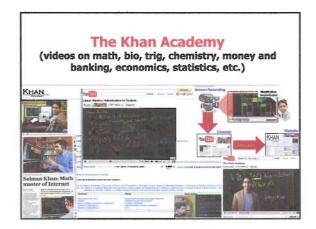




Which of these video sharing sites do you use?

- 1. BBC News Video and Audio
- 2. CNN.com Video
- 3. MSNBC.com
- 4. Google Video, Yahoo Video
- 5. Current TV
- 6. Fora TV
- 7. MIT World
- 8. YouTube, YouTube Edu
- 9. TeacherTube
- 10. Link TV, Explore, Global Pulse, Latin Pulse
- Howcast, Big Think, WonderHowTo, Explo.TV, NASA TV, ClipChef, TV Lesson, BookTV, Edutopia videos, MonkeySee, doFlick, the Research Channel, iVideosong







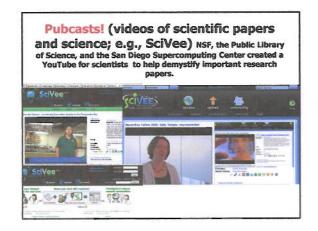




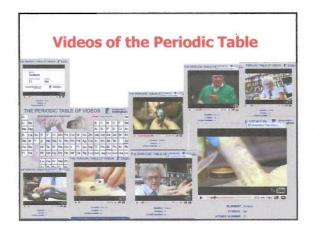


















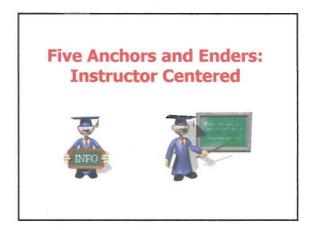








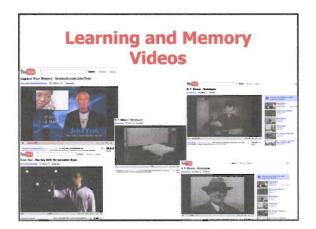




1. Online Video Anchoring

Online videos are used as an anchor or advance organizer of a class lecture.







- 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. Online Video Ender

Online videos are used after discussion and activities as a class "ender" or capstone event.

1+

3. Online Class Previews and Discussions

The instructor(s) finds videos and then posts them to the course management system for students to watch prior to or after class. If students participate in an online discussion based on such videos, the instructor should be clear about the length of post (e.g., two paragraphs) and how many comments of peers to respond to.





4. Pause and Reflect

The instructor(s) plays a portion of a YouTube video and pauses for reflections and then continues playing the video which is followed by still more class reflection.

RSA Animate - Drive: The surprising truth about what motivates us http://www.youtube.com/watch?v=uGXAPnuFiJc

5. Key Concept Reflections

Instructor shows the YouTube video and asks students to reflect on concepts embedded in it. He may replay the video 1-2 more times while prompting the class for certain key concepts. He might ask students to say "pause" when they see a concept from a particular chapter or unit displayed.

90

Five Anchors and Enders: Student Centered





1. Course Resource Provider Handouts

Students find videos and show them in class and discussion unfolds. Students assigned as the cool resource providers for the week are asked to create a handout for the videos and other course resources selected.



2. Anchor Creators

Students create their own YouTube videos to illustrate course concepts.





3. Anchor Archives

An archive is created of videos from previous years and students are asked to update them.





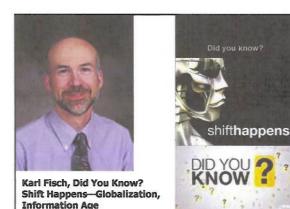
4. Video Anchor Debates

Students are asked to find YouTube or other online video content on the pro and con sides of a key class issue and then use them in face-to-face or online discussions and debates.



5. Anchor Creator Interviews

Students find YouTube videos relevant to course concepts and email interview the creator about the purpose and potential uses of the video or perhaps request that the creator join the class in a synchronous chat.



Advice and Guidelines

- 1. Length of video for activities should be less than 10 minutes and preferably under 4 minutes.
- Instead of finding all course videos, offer the student the chance to find and show 1-2 free online videos.





Advice and Guidelines

- 3. Test videos online (or, if FTF, in the room you will use) to check for link rot or video removal.
- 4. Have back-up videos in case do not work or are taken down.







Poll: How many ideas did you get from this talk?

- 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!









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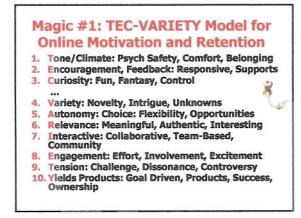


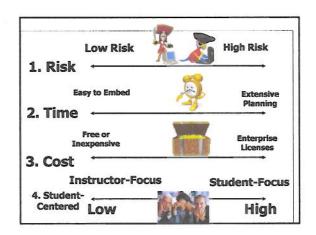




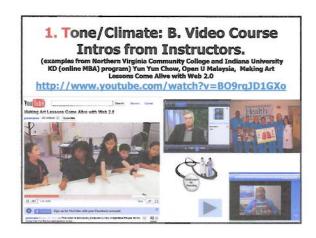


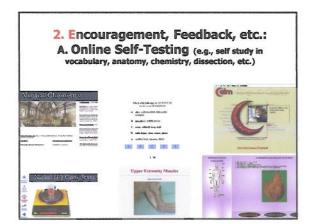


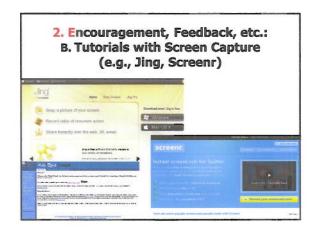


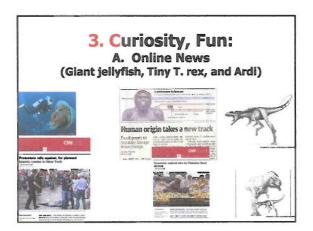


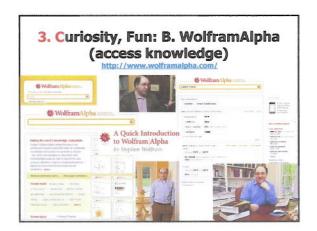






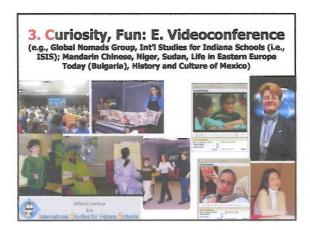


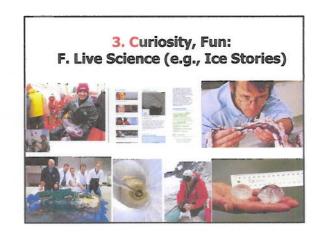




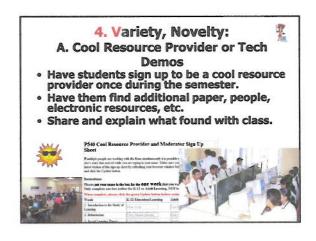




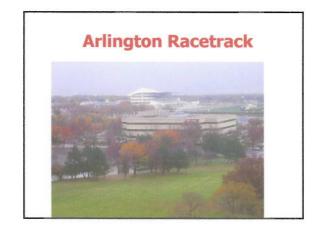




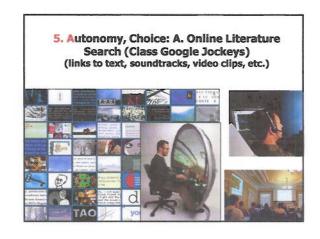


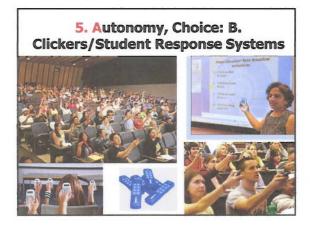




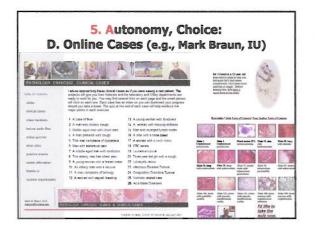


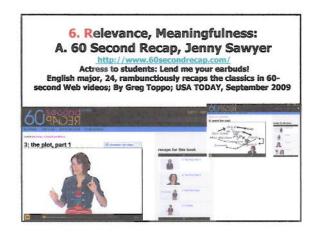








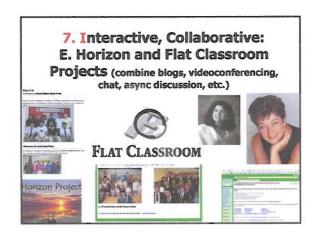




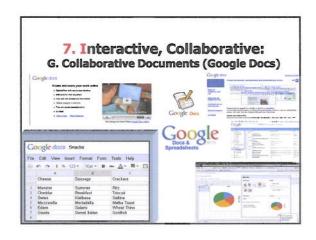




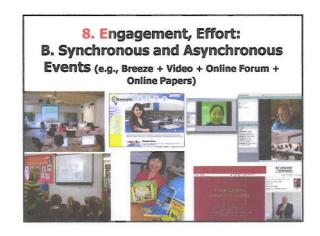




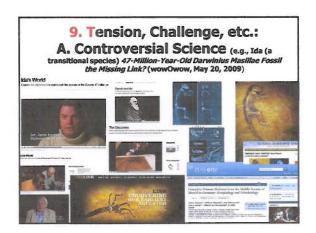










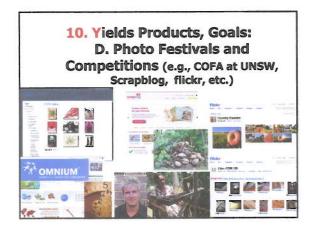














Poll #1: How many ideas did you get so far?

- 1. 0 if I am lucky.
- 2. Just 1.
- 3. 2, yes, 2...just 2!
- 4. Do I hear 3? 3!!!!
- 5. 4-5.
- 6. 5-10.
- 7. More than 10.









99 seconds: What have you learned so far?

 Solid and Fuzzy in groups of two to four





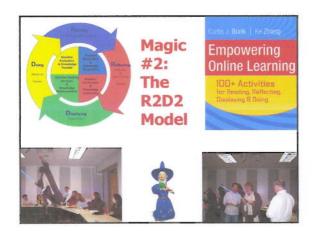


Masterclass Part 3: Addressing Learning Styles and Diverse Learners with the R2D2 Model

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The R2D2 Method



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









