



Expanding the Classroom: To Infinity and Beyond

Podcasts, Vodcasts and Websites
Oh, My!

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To Infinity and Beyond

- “To succeed in our struggle to build technology and new media to support learning, we must move far beyond the traditional view of teaching as delivery of information.”¹ John Seely Brown

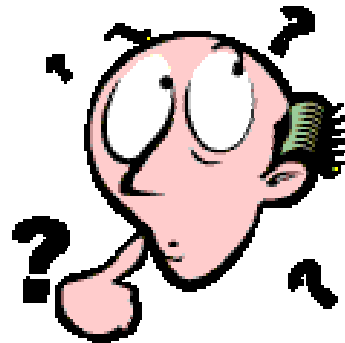


Overview

- How do we make sense of it all?
- What's good about it?
- What's the downside?
- Websites
- Podcasts
- Vodcasts



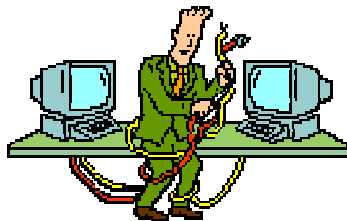
How do we make sense of it all?



How do we make sense of it all?



- Technology today can quickly overtake a classroom with its complexity and the endless options available to the instructor



How do we make sense of it all?

- Develop a plan
- Stick to your plan
- Build in flexibility
- Technology cannot instruct
- Technology is a tool, not a solution



How do we make sense of it all?

- Use reliable sites for video and audio content
- Use content that fits the lesson
- Be sure you have the software and hardware you need
- Ask questions of your support staff



What's Good About It?



What's Good About It?

- “Today’s digital kids think of information and communications technology (ICT) as something akin to oxygen: they expect it, it’s what they breathe, and it’s how they live.”¹ John Seely Brown



What's Good About It?

- Emphasis is on content, not the instructor
- Increases instructor's resources
- Students are familiar with medium
- Learning is expanded beyond the classroom in real time
- Most schools now have the needed infrastructure



What's Good About It?

- Interactivity is increased
- Instruction on the Internet accentuates the "student as worker" and the "teacher as coach" paradigms²
- Cost-to-benefit ratio is excellent



What's Good About It?

- Basic equipment is all that is needed
 - Computer
 - Speakers
 - Internet access
 - Media players installed
 - Quicktime
 - Windows media player
 - Flash
 - A projector depending on classroom or lab



What's the Downside?



What's the Downside?

- Many instructors fear technology
 - Feeling that students are more capable than instructor
- You must be able to recognize good materials
- Some work is required to sort the good from the bad
- There are a lot of bad sites out there



What's the Downside?

- Some sites may be down
- Your network may be down
- Virus threats from files
- Tendency to treat technology as the solution
- Technology choices seem overwhelming
- Information could be dated



Websites



Websites

- Focus on established websites
 - Beware of dubious websites
 - Try to use sites with
 - .edu
 - .gov
 - .org
 - .com sites are commercial
 - Others are personal in nature



Websites

- National Science Research Center
 - <http://www.nsrconline.org/index.html>
- Smithsonian
 - <http://www.smithsonian.tv/>
- Amazing Space
 - <http://amazing-space.stsci.edu/>



Podcasts

- **Podcast** is an emerging term used for the online delivery of audio-on-demand content



Podcasts

- Education Podcast Network
 - <http://epnweb.org/>
- Podcasting news
 - <http://www.podcastingnews.com/>
- National Public Radio
 - www.npr.org
- iTunes U
 - http://www.apple.com/education/solutions/itunes_u/



Podcasts

- Podcast.net
 - <http://www.podcast.net/>
- PodcastAlly
 - <http://www.podcastalley.com/>
- iPodder.org
 - <http://www.ipodder.org/>
- NASA
 - <http://feeds.feedburner.com/brainbites/nasa>



Vodcast

- **Vodcast** is an emerging term used for the online delivery of video-on-demand content



Vodcasts

- Vodstock
 - <http://www.vodstock.com>
- Vodcasts.tv
 - <http://www.vodcasts.tv/>



Questions



Reference Sources

1. Growing Up Digital: How the Web Changes Work, Education, and the Ways People Learn, by John Seely Brown
2. “The Effects of Internet-based Instruction on Student Learning” - *Dr. Scott B. Wegner, Associate Professor*
 - *Impact of the Internet on Learning and Teaching - Hossein Arsham*
http://www.usdla.org/html/journal/MAR02_Issue/article01.html

