Podcasting – What is it?

http://engage.doit.wisc.edu/podcasting/whatIsIt/index.html

"Podcasting is an Internet technology that educators can use to provide students with course materials they can use anytime, any place, even when they are not connected to a computer. You can use podcasting to deliver course content in audio, video, and/or graphic formats."

http://www.educause.edu/ir/library/pdf/ELI7003.pdf

wikipedia: http://en.wikipedia.org/wiki/PodCast

(07/11/2007 12am) A **podcast** is a digital media file, or a series of such files, that is distributed over the Internet using syndication feeds for playback on portable media players and personal computers. A podcast is a specific type of webcast which, like 'radio', can mean either the content itself or the method by which it is syndicated; the latter is also termed **podcasting**. "…People can "subscribe" to this feed by submitting the feed address to an aggregator (like iTunes - software that runs on the consumer's computer). When new "episodes" become available in the podcast they will be automatically downloaded to that users computer."

A little more information please – Some advantages?

- Students can download podcasted programs view wherever they go, whenever they like.
- New episodes of a podcast are automatically downloaded when students "subscribe".
- Instructors can limit the audience to students in their course.
- Instructors can produce and publish their own podcasts.

Educational examples:

- course audio files, e.g. bird calls or heart sounds
- mini lessons with audio and visuals, eg., glossaries with sound and images, slides with voice-over explanations
- audio or video case studies containing interview with experts or other speakers
- multimedia presentations created by students

Teaching and Learning with podcasts:

http://engage.doit.wisc.edu/podcasting/teaching/index.html

"Educators involved in eLearning are rediscovering the power of the spoken word by utilizing new technologies to communicate with students outside the traditional classroom. Podcasting is a new medium that enables you to easily incorporate on-demand audio recordings into your curriculum. Follow the five steps below to get started creating your first podcast."

- How Audio Helps Learning by Helen Pearce
- Teaching with Audio Artifacts (MSU)

- [Theoretical Foundationsfor Sound's Use in Multimedia Instruction to Enhance Learning](#) by M.J. Bishop & Ward Mitchell Cates
- [Teacher's Guide for Using Songs in the Classroom](#) (Music for Spanish Teaching)
- [Teaching Music with Technology](#)
- [Math and Science Objectives Taught Using Sound and Music Concepts](#) by Mary Elizabeth Jones
- [Principles of Podcasting](#) with Garrick Van Buren
- [Reaching students beyond the classroom with a podcast](#) by Michael Rappa

How do you do it?

This one includes a tutorial on Audacity and information for adding a podcast to an edublog post. Great screen shots of iTunes, Audacity, and the process. This is a great one to start with:

 http://www.ilcco.net/ILCCO/resources%5CPodcasting%20101%20tutorial.pdf

- http://engage.doit.wisc.edu/podcasting/deliver/index.html
- http://edmarketing.apple.com/adcinstitute/wp-content/Missouri_Podcasting_White_Paper.pdf - U of Missouri primer on Podcasting and Vodcasting

Different Audio formats:

- [Wikipedia on MP3](#)
- [What's the Difference Between Audio File Types?](#) By Brian Van Ness and Joanne C. Weaver
- [Wikipedia's Timeline of Audio Format Developments](#)
- [Indiana U's Audio File Formats](#)
- [Audio Fundamentals](#)

Additional Audacity Tutorials from

• http://audacity.sourceforge.net/manual-1.2/tutorials.html

 http://engage.doit.wisc.edu/podcasting/

• http://audacitybook.org/html

• http://www.tsof.edu.au/resources/sound/Support/tutorials.asp

• http://www.how-to-podcast-tutorial.com/17-audacity-tutorial.htm *** Nice one

• https://wiki.brown.edu/confluence/display/CISDOC/Audacity+Tutorial

Copyright?

http://engage.doit.wisc.edu/podcasting/resources/index.html

http://www.law.duke.edu/cspd/comics/digital.html Bound by Law Comic Book
from Duke Law School

- Podcasting, Music, and the Law (Great overview--references the creative
  commons and why to use it)
- Podcasting Music: The Legal Implications
- Wikipedia's Creative Commons
- Copyright.com
- Copyright & Web Teaching
- How to Podcast RIAA Music Under License
- Legal Issues in Podcasting the Traditional Classroom
- Podcasters Hit the Copyright Wall

Music and and audio for podcasts:

Library of Congress American Memories
http://memory.loc.gov/ammem/index.html

Creative Commons - http://creativecommons.org/audio/

Podsafe audio - http://podsafeaudio.com/

Make your own with Sony's Acid Music studio (Windows) or Apple's GarageBand

Equipment necessary:

Hardware: Computer, Internet connection, microphone
Software: Free – Audacity and LAME (download page)

Microphones:

http://remcbid.org/ for educators and schools in Michigan!

http://www.crownaudio.com/mic_web/tips/mictip1.htm

- Sennheiser PC155 Traditional Binaural PC Headset (~$99)
- Sennheiser PC135 PC Gaming Headset with USB Connection (~79)
- Logitech Noise-Canceling PC Headset with Microphone (~$15)
- VXI TP100 USB Headset with Noise Canceling Microphone (~$99)
- Audio-Technica AT4040 Large-Diaphragm Studio Condenser Microphone (~$300)
- Reviews: http://www.transom.org/tools/recording_interviewing/200608_handheld_mic_shootout/
- http://www.podcastingunderground.com/tpu-12-three-podcasting-mics-for-under-100
- http://www.creativetechs.com/iq/what_is_a_good_microphone_for_podcasting_1.html - recommends Plantronics