

What is a Podcast?

A **podcast** is a collection of digital media files which is distributed over the Internet, often using syndication feeds, for playback on portable media players and personal computers – **a form of audio broadcasting**

Pod – stands for "**P**ortable **O**n **D**emand" and "broadcast" = **PODCAST**

- Audio (Sound Recorder, Audacity...)
- Audio w/images (Photostory...)
- Audio w/images, docs..., webcam and video (Voicethread...)
- Audio w/images and live streaming video (Ustream.tv...)

How to Listen to Podcasts in iTunes

- Open iTunes
- Click on iTunes Store
- Browse (right column)
- Choose podcasts
 - o Narrow down your choice on what to view by choosing an item in the next column to the right (category and lastly subcategory)
 - o SUBSCRIBE
 - o Your podcast is now stored in your "Podcasts" folder
 - Double-click to play your podcast
 - Arrow down to see earlier shows (click "GET" if you want to download them)

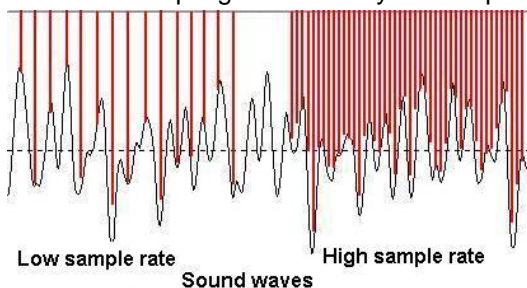
Podcasts to check out:
Grammar Girls
Great Speeches in History
The Classic Tales

Other Podcasting search locations

- [Podcast Alley](#) , [Podcast Net](#)
- [Juice](#), [Doppler](#), [Jpodder](#)
- [Education Podcast Network](#)
- There are more but you will need to download software to hear and subscribe to the podcast episodes.

What are (MP3, or MPEG layer 3) & .Wav? (technical)

When sound is recorded, it is represented electronically as waves. In order to store this sound on your computer, these waves must be converted to a digital format. This is done by 'sampling' the waves many times per second. The data from this wave sampling is stored in your computer as a .wav file.



In the graphic below, the red lines represent samples being taken of a wave. It can be seen that more frequent sampling will give a more accurate representation of the wave. With the average song being 3 min. long, .wav files have a voracious appetite for hard drive space. If the rate of sampling is lowered, the file size can be reduced at the expense of lower quality sound. (In the graphic, you can see that the lower sample rate misses some of the variations in the wave.) MP3 was developed as a form of *compression* which will reduce the size of .wav files, with minimal loss of quality.

What are (MP3, or MPEG layer 3) & .Wav? (simplified)

.wav	.mp3
<ul style="list-style-type: none">✓ highest audio quality✓ take up 5 times the space of an .mp3 file✓ may have compatibility issues with Apple products	<ul style="list-style-type: none">✓ compressed✓ internet standard✓ quality is poorer but acceptable for most consumers

Recording an Audio File (.wav file)

Sound Recorder: Click: start/all programs/accessories/entertainment/soundrecorder.

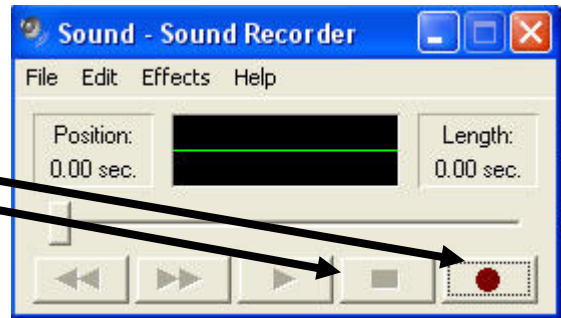
Press Record
Talk into your mic.
Press Stop when you are done recording

Records up to 60 seconds

Basic Effects: volume, speed, echo...

Basic Editing: delete, mix, insert files...

Saves: as a .wav file



Audacity:



Before using Audacity set the following preferences

EDIT - PREFERENCES

TABS: **AUDIO I/O:** Channel 1 Mono (less space)

FILE FORMATS: make a copy of the file before editing (safer)

Mp3 Export Setup – Mp3 Library Version: LAME v3.97 (does not come with its own mp3 encoder)

Click: Find Library and browse to the .dll file downloaded from LAME

Record your voice

Click “record” red button – Say with pauses between each word. *This is my first attempt at audacity*



selection tool: highlight a part of the audio you don't want, press delete



zoom tool: left click zoom in , right click zoom out



time shift tool: moves your audio file forward or backward in your track

MENU BARS

Effects: Use your selection tool to select part of the audio – Effects (fade in, fade out.....)

Project: Import audio files, add/delete tracks, quick mix (combine tracks), edit ID3 Tags

ID3 Tags: It allows information such as the title, artist, album, track number, or other information about the file to be stored in the file (mp3) itself.

File: Save Project As = .aup file (audacity file)

For universal usage: Export as .mp3 For highest quality: Export as .wav

Free Music

<http://freeplaymusic.com/>

<http://www.soundzabound.com>

Photostory (PreK – College)

Can Import: Image Files - .jpg, .gif...

Slide 1: Begin/Edit or Play your project

Slide 2: Import Images – rotate/effects/crop/transitions...

Slide 3: Titles

Slide 4: Audio – and customize motion

Slide 5: Music – volume (select or create your own)

Slide 6: Save Final Project as .wmv file (non-editable file)

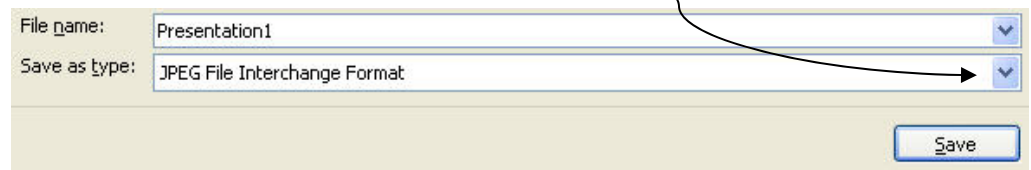
You can save your project to work on later after slide 2 when you have added at least one image

Save Powerpoint slides as .jpg an insert as an image

PowerPoint

Save As – Choose Jpeg File Interchange Format

You will need to click the arrow to see the choices



Voice Thread - <http://voicethread.com/>

Can Import: .doc, .ppt, .pps, .xls, .avi, .mov, .wmv, .gif, .jpg, .png, .pdf, .bmp, .opd, .flv

Browse: view other public voicethreads

Create:

- 1. UPLOAD:** Upload files from multiple locations: flickr, facebook, my computer...
- 2. COMMENT:** Add audio, webcam video, doodler tool, phone audio, type a comment
- 3. SHARE** public/private, moderation, list on browse, basic options (time per slide...)

To Go: url link, code to post to blog/wiki.. (large and small version), code to post to myspace

My Voice: your account

UStream.tv - <http://ustream.tv/>

You can Download as: .FLV | .WMV | .MP4 | .MOV

Sign up for a FREE account

Attach your webcam – Click BROADCAST NOW.. You can record your broadcast or just go LIVE.

How to Share/Publish your Podcast

- You can view and show
- You and your students can view
- World can view
- save on your computer
- SHARE point on server
- link to your teacher webpage from your school website
 - blog, wiki...