

Workshop Highlights

What is Podcasting?

From Wikipedia, the free encyclopedia:

Podcasting is the method of distributing multimedia files, such as audio programs or music videos, over the Internet using either the RSS or Atom syndication formats, for playback on mobile devices and personal computers. The term **podcast**, like 'radio', can mean both the content and the method of delivery. The host or author of a podcast is often called a **podcaster**.

Though podcasters' web sites may also offer direct download or streaming of their files; a podcast is distinguished by its ability to be downloaded **automatically** using software capable of reading RSS or Atom feeds.

Usually a podcast features one type of 'show', with new episodes released either sporadically or at planned intervals such as daily or weekly. In addition, there are podcast networks that feature multiple shows on the same feed.



Podcasts Used in Presentation:

Data Girl:

<http://feeds.feedburner.com/DataReflections>

4th Grade: What I Learned in Fourth Grade

[itpc://powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15937&digitalUserId=286514](http://powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15937&digitalUserId=286514)

<http://www.powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15937&digitalUserId=286514>

2nd Grade: Second Grade Authors

[itpc://powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15519&digitalUserId=440523](http://powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15519&digitalUserId=440523)

<http://www.powermediaplus.com/podcasts/podcast.aspx?pmpObjectId=15519&digitalUserId=440523>

ESL Podcast Created by HS Students:

<http://web.mac.com/gpoli41/iWeb/Site/Podcast/Podcast.html>

TWiT

<http://leoville.tv/podcasts/twit.xml>

ABC News: World News

<http://phobos.apple.com/WebObjects/MZStore.woa/wa/viewPodcast?id=218916008>

<http://abcnews.go.com/xmldata/xmlPodcast?id=2937594>

Podcast aggregator (catching) programs and services

iTunes: <http://www.apple.com/itunes>

Juice: <http://juicereceiver.sourceforge.net>

Google Reader: <http://www.google.com/reader>

My Yahoo: <http://my.yahoo.com/>

r-mail: <http://www.r-mail.org/>

Places to Find Podcasts:

Podcast Alley:

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

Podcast Directory

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

Education Podcast Network:

<http://epnweb.org/>

PowerMedia Plus

<http://www.powermediaplus.com>



Podcasting
Eastern Suffolk BOCES
201 Conference Room
10/03/07

What is a Podcast?

- Allows you listen or watch when, where and how you want
- No iPod necessary! Can listen at your computer (or for convince, an mp3 player)
- Audio files in mp3, aac, wav or other format (suggest mp3 for compatibility)
- Like a magazine subscription – but delivered to your computer - automatically

Podcatching software

- Use “Podcatching” software to save audio (or video) files to your computer
 - Software automatically collects newest episodes and organizes them
- Examples:
 - iTunes (<http://www.apple.com/itunes>)
 - Juice (<http://juicereceiver.sourceforge.net>)
- Online Examples:
 - Google Reader (<http://www.google.com/reader>)
 - My Yahoo (<http://my.yahoo.com>)

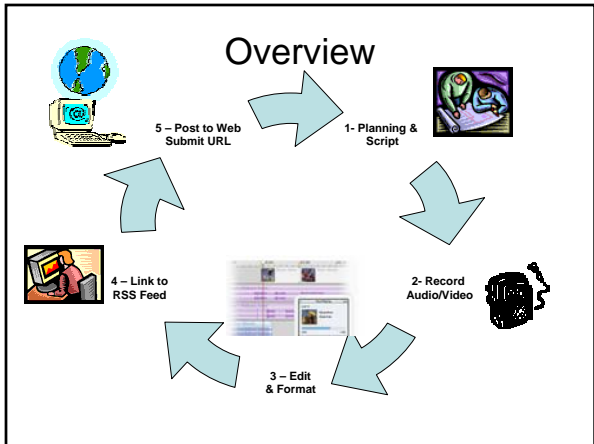
Podcasts




- ESL Podcast created by students in NJ:
 - <http://web.mac.com/qpoli41/iWeb/Site/Podcast/Podcast.html>
- Student Created Sachem Sample (feed://www.sachem.edu/bill/hia/fifth/psapodcast/podcast.xml)
- Find others using:
 - iTunes music store (podcasts are free)
 - Podcast Alley (<http://www.podcastalley.com>)
 - Ipodder.org (<http://www.ipodder.org>)

Create Your Own

- Use a Web Service such as:
 - <http://www.podomatic.com>
 - <http://poderator.com/>
- Manage the Workflow yourself
 - Most control but must create all files and copy to webserver yourself
- Combination: some service & some self
 - PowerMedia Plus (<http://www.powermediaplus.com>)



Sample Episode

- Choose a Hobby of yours to talk about
- Make note of 2-3 important facts about your topic
- Write a short script or additional notes to use when recording your episode

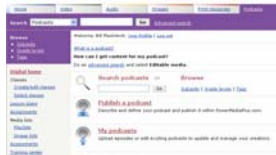
Record Using Audacity and a Mic

- Launch the Audacity Program (Desktop icon)
- Click Record (Red Circle) and Speak into the Microphone
- Click Stop (Yellow Square) when finished
- Optional: Edit as needed
- Use File->"Export as Mp3" to save your episode



Use PowerMedia Plus

- Go to <http://www.powermediaplus.com>
 - Audio Files must be .mp3
 - Video files must be .m4v (mpeg-4 video)
- Log in and Click the Podcast Tab
- Start a new Podcast
 - Publish a Podcast
 - Checkbox for sharing
- Add Episodes to Podcast
 - My Podcasts
 - Add Episodes



Supplemental Info: Use iPod

- For away from computer use (interviews, etc)
- Plug microphone attachment into the bottom
- Press "record" (click center button on ipod)
- Record PSA



Supplemental Info: Use iPod

- Connect iPod to computer (after removing microphone and saving the recording)
- iTunes automatically copies recording onto the computer

Supplemental Info: Record Using Skype and Audacity

- Launch and log into Skype
- Launch the Audacity Program
- Use the "Mixer Toolbar" to select "Wave Out Mix" (Records the Skype portions)
- Click the Record button
- Click Stop when finished
- Edit as needed
- Use File->"Export as Mp3" to save your episode



Supplemental Info: Editing

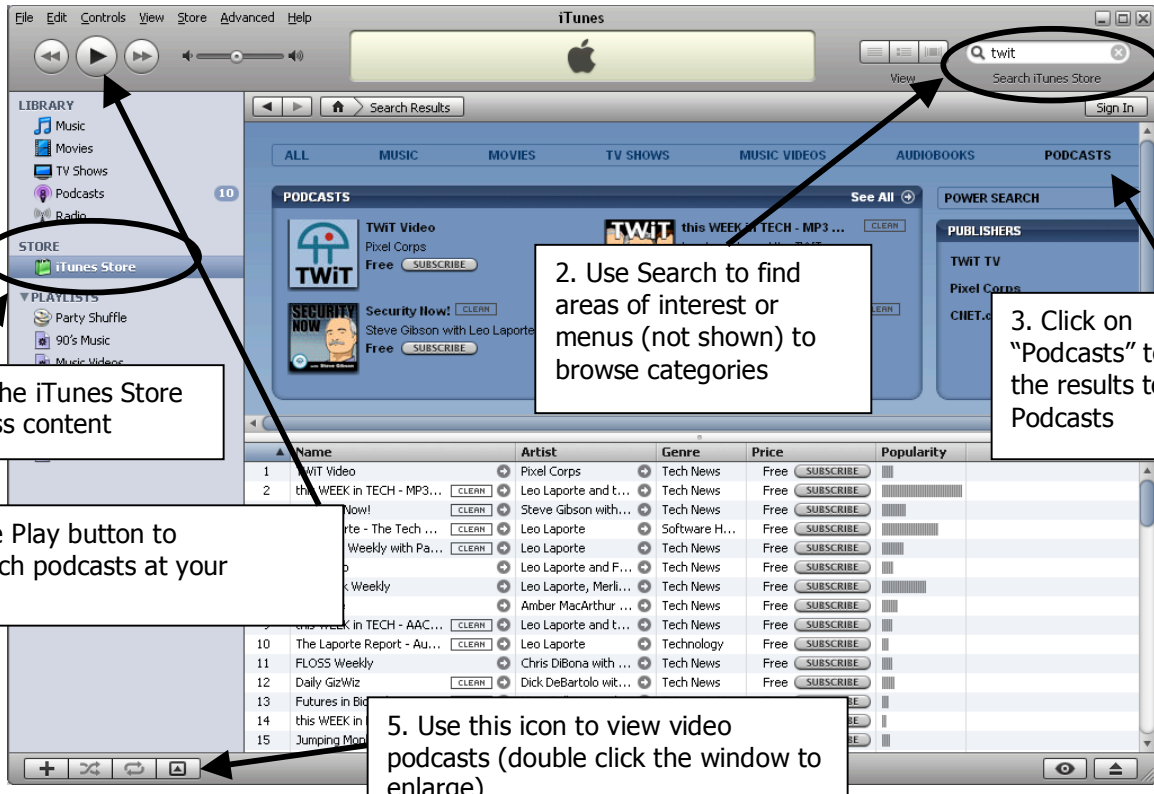
- To add sound effects, clean up unwanted portions, etc
- “Enhanced” audio podcasts can contain still images
- Software (free)
 - Audacity
 - Garageband
 - iMovie

Thank You

- Thank you for attending we hope that you enjoyed the presentation

Subscribe to a Podcast in iTunes

Method 1: Search the iTunes Store



1. Use the iTunes Store to access content

2. Use Search to find areas of interest or menus (not shown) to browse categories

3. Click on "Podcasts" to limit the results to Podcasts

4. Use the Play button to listen/watch podcasts at your computer

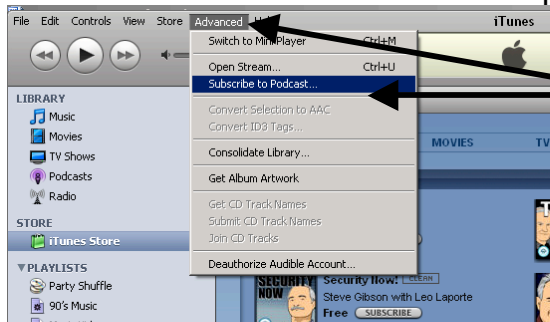
5. Use this icon to view video podcasts (double click the window to enlarge)

Name	Artist	Genre	Price	Popularity
1 TWIT Video	Pixel Corps	Tech News	Free	SUBSCRIBE
2 this WEEK in TECH - MP3 ...	Leo Laporte and t...	Tech News	Free	SUBSCRIBE
Now!	Steve Gibson with ...	Tech News	Free	SUBSCRIBE
te - The Tech ...	Leo Laporte	Software H...	Free	SUBSCRIBE
Weekly with Pa...	Leo Laporte	Tech News	Free	SUBSCRIBE
Weekly	Leo Laporte and F...	Tech News	Free	SUBSCRIBE
Weekly	Leo Laporte, Merl...	Tech News	Free	SUBSCRIBE
Weekly	Amber MacArthur ...	Tech News	Free	SUBSCRIBE
Weekly	Leo Laporte and t...	Tech News	Free	SUBSCRIBE
10 The Laporte Report - Au...	Leo Laporte	Technology	Free	SUBSCRIBE
11 FLOSS Weekly	Chris DiBona with ...	Tech News	Free	SUBSCRIBE
12 Daily GizWiz	Dick DeBartolo wit...	Tech News	Free	SUBSCRIBE
13 Futures in Big				
14 this WEEK in				
15 Jumping Mo				

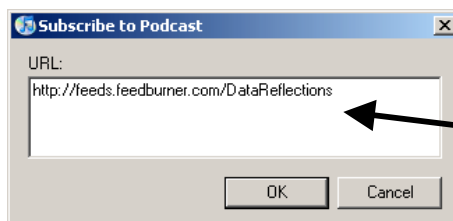
Method 2: Browse "categories" in the iTunes Store

Method 3: Click on a "subscribe to" link from a webpage

Method 4: Use "Advanced" menu to paste in a link



1. Click on "Advanced" then "Subscribe to Podcast"



2. Paste (or type in) the address of the podcast you would like to subscribe to and click "ok"

Audacity Tutorial

Recording with Audacity

1. Create a new project

Save an empty project to your home folder. Remember, that if you don't save your project before you start recording or importing, that all recordings, edit and other files may not be saved where you expect them to be saved.

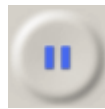
2. Hit Record

Click on the red **Record** button



to begin recording.

Click on the blue **Pause** button



to pause the recording. Press it again to continue.

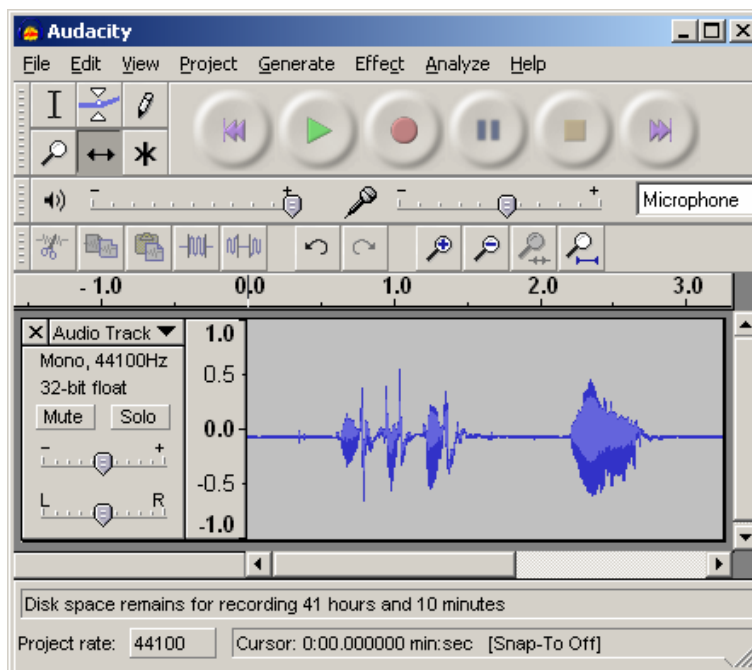
Click on the yellow **Stop** button




to cease recording. The cursor will return to its previous position, before the recording was started.

The View

The Audacity Window




As you can see by the graphics above, the time shift tool  is selected. It is used to move the entire audio clip around inside its track.

The cursor (little blinking line across a track and the timeline) will remain at its position, so effectively you'll be sliding your audio material underneath the cursor.

Let's say we want to cut out that bit in the middle then. First we've got to **select it**.

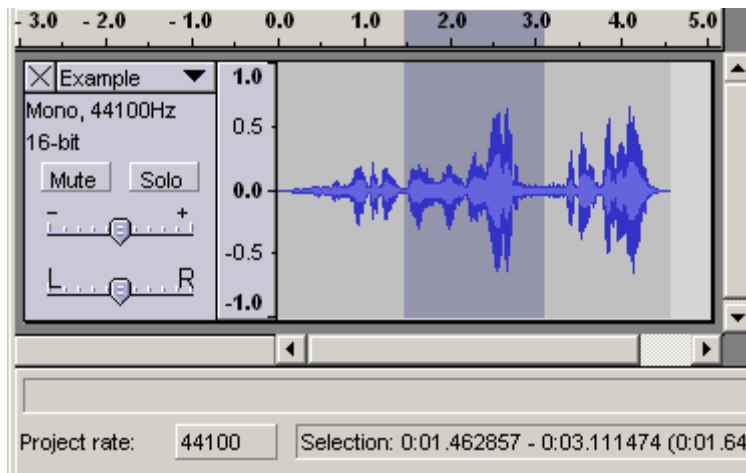
Making a selection

To select the part you wish to cut, copy or paste to, use the selection tool . If it's not activated, do so now by clicking on it in the toolbar.

Now press and hold the left mouse button while you drag the mouse to mark an area.

This area is darker than the surrounding area of the clip. Note, that even though you can mark an area larger than or extending beyond the actual audio clip in the track, the operations will only work on the actual clip. Playback however will work outside the clip.

Press the space bar to listen to the audio in the marked area.

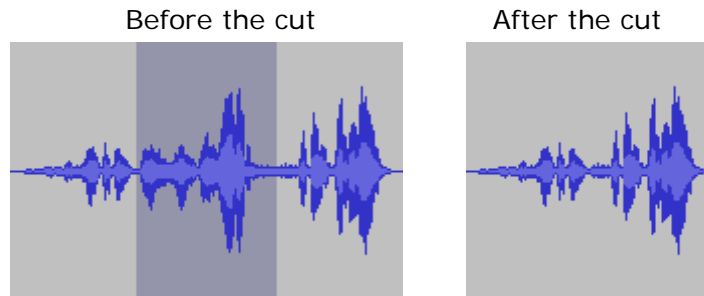


To **extend** or **contract** your selection, hold down the SHIFT button and click on the area you wish your selection to extend or contract to.

If you click at a spot that is on the right hand side from the middle of the current selection, you will set the right hand boundary of your new selection.

Cutting the selection

Cut the selection by selecting "**Cut**" from the *Edit menu ...* or press CTRL+X.



To undo this operation, select Undo in the Edit menu or press CTRL+Z

Copy will copy the selection to the clipboard.

You can then **paste** that data back in to any track by clicking where you want this audio to be inserted and select Paste in the Edit menu, or press CTRL+V.

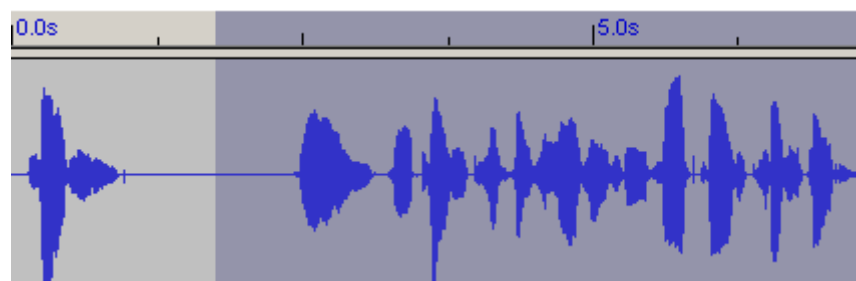
Thus pasting is the opposite of cutting. You can also copy material, make another selection with the mouse and then paste. This will replace the selected material with the contents of the clipboard, no matter how short or long either of them are.

Moving bits of an Audio track

In all projects you'll be pushing your audio around at some point.

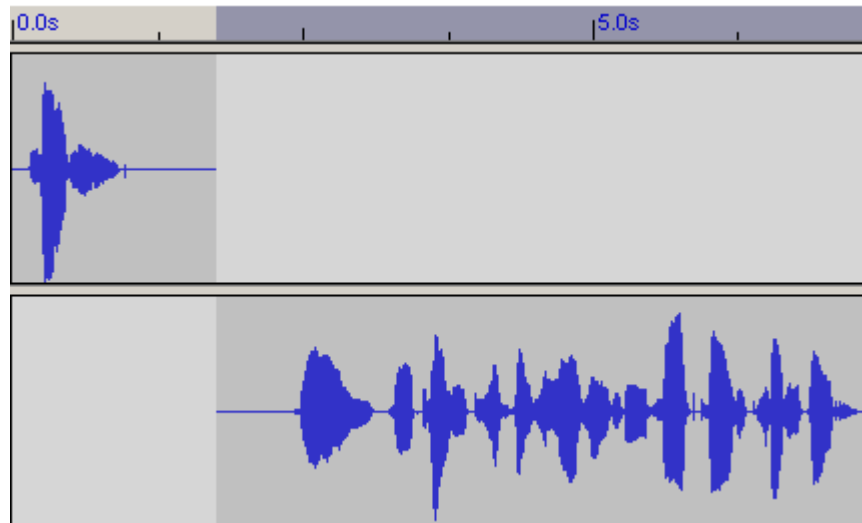
There are techniques, easily achievable with Audacity, to cover almost any kind shifting you'd want to do. In our example, we have a small sentence of speech, where the speaker made a pause after the first word. We'd like to eliminate that pause.

The part after the pause is selected




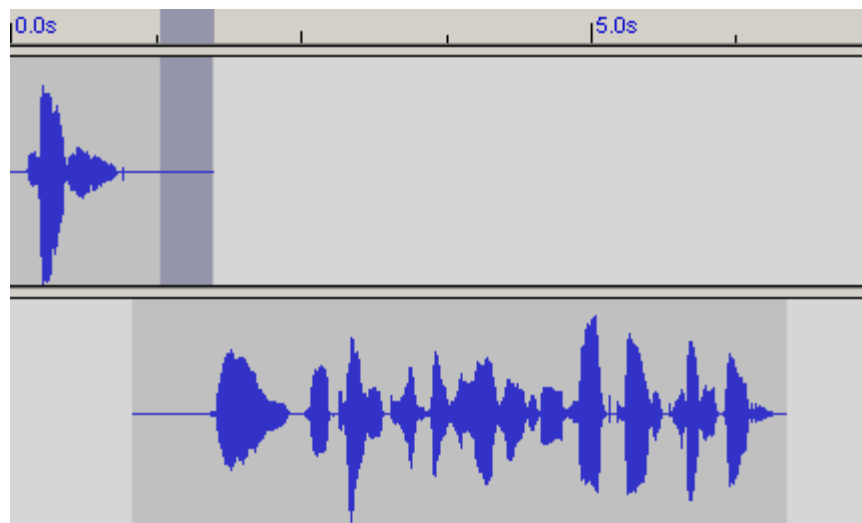
Select

Then the split function is used to pop the selected audio to a new track (Choose Split from the Edit Menu)



Split

The Time Shift Tool  is selected and the audio on the lower track is moved left.



Move Audio and select for fading

Saving

After all editing, etc is completed. Choose File -> Export as MP3
Give your file a name and click "Save"

Using PowerMedia Plus to Upload files:

- Go to <http://www.powermediaplus.com>
 - Audio Files must be .mp3
 - Video files must be .m4v (mpeg-4 video)
- Log in and Click the Podcast Tab
- Start a new Podcast
 - Publish a Podcast
 - Note the Checkbox for sharing
 - Fill in fields required and Upload your audio file
- Add Episodes to Podcast
 - My Podcasts
 - Add Episodes and then is similar to creating a new one
- Copy the link for either RSS or iTunes (or both) to make the podcast available to anyone, even those without a PM Plus account 😊

The screenshot shows the PowerMedia Plus website interface. At the top, there are navigation tabs: Home, Video, Audio, Images, Print resources, and Podcasts. Below the tabs is a search bar with a dropdown menu set to 'Podcasts', a search input field, and a 'Go' button. To the left of the search bar is a 'Browse' section with links for Subjects, Grade levels, and Tags. Below the search bar is a 'Digital home' section with links for Classes, Lesson plans, Assignments, Media lists, Playlists, Image lists, Assessments, and Training center. The main content area displays a welcome message for Bill MacIntosh, a 'What is a podcast?' link, and instructions on how to get content for a podcast. There are three main sections: 'Search podcasts' with a search input and 'Go' button, 'Publish a podcast' with a description, and 'My podcasts' with a description. The interface is primarily purple and white.

Subscribe to Podcast

- Log into your PowerMedia Plus Account
- Click on Podcasts
- Choose "My Podcasts" and Select the Podcast you created (or use search to link to someone else's podcast)
- Click the link next to "Subscribe to this Podcast"
- You can also copy the link to your "subscribe to podcast" from PowerMedia Plus and send it to others through e-mail or post that link on one of your school's webpages (so others do not need to log into PowerMedia Plus to subscribe)
- Copy Podcast(s) onto ipod for portable listening

Make Your Own Podcast... Step by Step

A: Planning: Think of topic, write out your notes/script

B: Recording Phase:

1. Launch the **Audacity** Program (desktop icon)
2. Keep microphone nearby and press the "**record**" button (red circle)
3. Speak into the mic and notice the "wave form" of the recording – it should take up some of the window from top to bottom but not be "clipped" – adjust the distance of the microphone or volume of your voice to correct. You can stop and restart if necessary
4. When finished press the "**stop**" button (yellow square)
5. Notice the length (time) of your podcast. If you click at the end of the recording, the time will display at the bottom of the audacity window. You will be asked to input the time later.
6. Go to the File Menu and click **File** -> **Export as mp3**
7. Save the file to the desktop and give it a name
8. Close the Audacity Program (no need to save when it asks, unless you plan on editing the sound file again later)

C: Podcast Creation/Uploading Phase

1. Launch Internet Explorer or any other web browser
2. Type www.powermedialplus.com into the address bar
3. Log into PowerMedia Plus using your account information, if available or use username and password: **esbocespod** and **esbocespod**
4. Click on the "**Podcast**" tab
5. Click the "**Publish a Podcast**" link
6. Set up the Title information for the collection of podcast files, much like the title of a TV series. (Each individual episode has a "sub title" which will be put in later)
7. Turn on the "Shared" box to make the podcast available to others
8. Fill in all fields marked with a red "*"
9. When complete, click the "Save" button at the bottom of the page
10. Click the Blue "+" "Add Episode" to add an episode
11. Click the checkbox to make the podcast active
12. Be sure to fill in all red "*" fields, two are described below
13. Time format is hh:mm:ss. For for a 32 second recording enter 00:00:32
14. Use the "Browse" button next to the "podcast episode media" field to select your sound recording – we saved it to the desktop earlier and be sure to click the "upload" button after selecting it
15. When finished click "Save" at the bottom of the page
16. Note the "Rss" and "iTunes" links. The RSS is for most any podcast reader, iTunes for use only with iTunes.
17. You can right click and copy one of the links to send the podcast information through an email or copy it onto a web page for anyone (even people who do not have powermedia plus subscriptions) to subscribe to. See next step
18. Right click the iTunes link and select "copy shortcut"

D: Subscribe to your Podcast

1. Open iTunes
2. Click on the "Advanced" menu item
3. Click on "Subscribe to Podcast"
4. Paste your link (right click -> paste or press the ctrl and v keys on the keyboard) and click "ok"
5. Your podcast will be downloaded into iTunes.
6. As you go back and add additional episodes, they will automatically be downloaded into iTunes when iTunes checks for new episodes (default is to check weekly)

Supplemental Materials

Best Practices and Lessons

Ipod Lessons from Apple

<http://www.apple.com/education/solutions/ipod/lessons/>

http://www.educationworld.com/a_tech/sites/sites070.shtml

Education World Article on Ipod Resources for educators

<http://www.addysg.org.uk/ipodined/news.php>

Links to Best Practices articles at this website

http://cit.duke.edu/ideas/newprofiles/ipod_faculty_article_s.do

Link describing how Duke university is using Ipods in Higher Education

<http://gatonet.chapin.edu/~classeven/ipods.jpg>

<http://gatonet.chapin.edu/~techmsus/ipods/>

Best practices for Ipods in Education

<http://macenterprise.org/content/view/134/42/> - Over an hour long webcast on Ipods in Education.

<http://www.teach42.com/edupodcasters/> - educational related podcasts

Podcasting Creating Software/Assistance:

Podomatic – automatically create and store a podcast online

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

C-net: Create Your Own Podcast

http://reviews.cnet.com/4520-11293_7-6246557-10.html

Education Network Tectorial:

http://www.education-world.com/a_tech/techtorial/techtorial091.shtml

Various Software

http://www.podcastingnews.com/topics/Podcasting_Software.html

Feedburner:

<http://www.feedburner.com/fb/a/home>

Podcasting tech specs

<http://www.apple.com/itunes/podcasts/techspecs.html>

Chapter Tool Me: Add chapter markers to your podcasts

http://homepage.mac.com/applepodcast/podcasts/Resources/static/podcast_chapter_tool_beta.dmg

Feed Validator rss2

<http://www.feedvalidator.org/>

Generating RSS Feeds:

RSS Generator

<http://rssgenerator.plech.net/>

PodCast Maker (mac/win) \$30 very good

<http://www.websitediscovery.com/Free-Podcasting-Software.html>

Podifier – Free Podcast Making tool

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

RSS Resources:

<http://allrss.com/rssresources.html>

License Free sounds loops, effects, etc:

www.flashkit.com

<http://www.shockwave-sound.com/>

(fees apply)

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

<http://music.podshow.com/>

(low cost music)

Cleaning up Noisy Recordings

Sound Soap – Eliminate A/C Hum, etc.

<http://www.bias-inc.com/products/soundsoap/>

Sound Editing Assistance

Using Garageband:

<http://www.peachpit.com/articles/article.asp?p=425818&seqNum=1&r=1>

Using QuickTime

<http://www.apple.com/quicktime/tutorials/podcasting.html>

Audacity Software (Free audio editor)

<http://audacity.sourceforge.net/>

Audacity Tutorial

<http://www.tsof.edu.au/resources/Sound/Support/tutorials.asp>

Garageband Tutorial

<http://www.apple.com/ilife/tutorials/garageband/>