

Creating Podcasts
Podcast QuickStart
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What is a Podcast?

Podcasts are typically audio broadcasts that are available over the Internet and also have evolved to video Podcasting, too. They can be listened to at any time using an application such as iTunes or an iPod. Podcasts can be published on your website, Moodle, and iTunes. *(Note: publishing to iTunes will require additional formatting tags for Apple's website.)* Educationally, Podcasts can be used to publish classroom instruction or content for students to review outside of the classroom. They can include lectures, interviews, announcements, foreign language practice, student oral projects – such as a poetry recitation, etc. The possibilities are limitless!

Software and equipment to consider for Podcasting:

Computer
Microphone or Microphone combo with headphones
iTunes
Audacity
Quick Time Pro
Garageband (Apple)
Camcorder

Podcast file types:

Audio Podcasts - .mp4, .m4a, .mp3 (.mp3 is the best for audio)

Video Podcasts - .mp4, .m4v *(Note: a converted file to mpeg1 .mpg will open in iTunes.)*

FYI s – The Tech Stuff

The best quality audio is considered at 24 bit – 80 bits / kb per second stereo

CD Sample rate – stereo.

High quality recording is considered to be full bandwidth – 16 bit – CD quality (.wav or .aiff)

Video size for video podcasts are 320 X 240

One of the codecs for creating Podcasts are H264 – Quicktime Pro 7

Copyright note - If you would like to add some music to an introduction or in part of a Podcast, be careful of copyright infringement, even if you are using a site such as freeplaymusic.com – the site will require a fee if you are using it for a Podcast regardless if it is for education.

Loops that come in Garageband for example, can be used in your Podcasts because they are public domain.

Audio Podcast – Quick Start

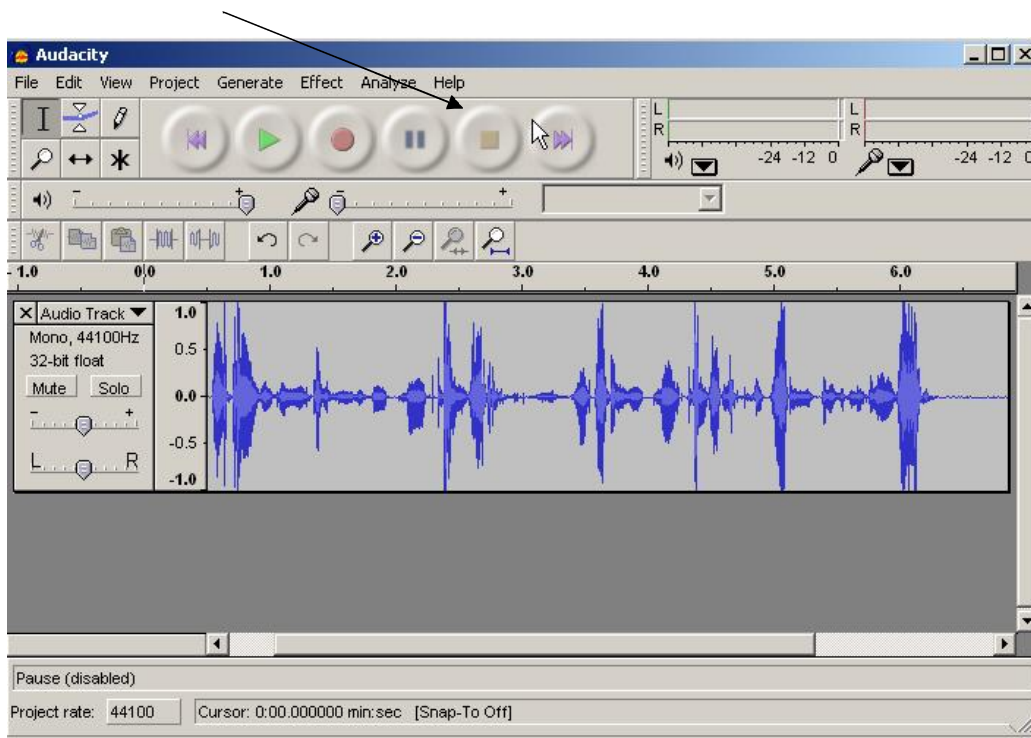


1. Open Audacity

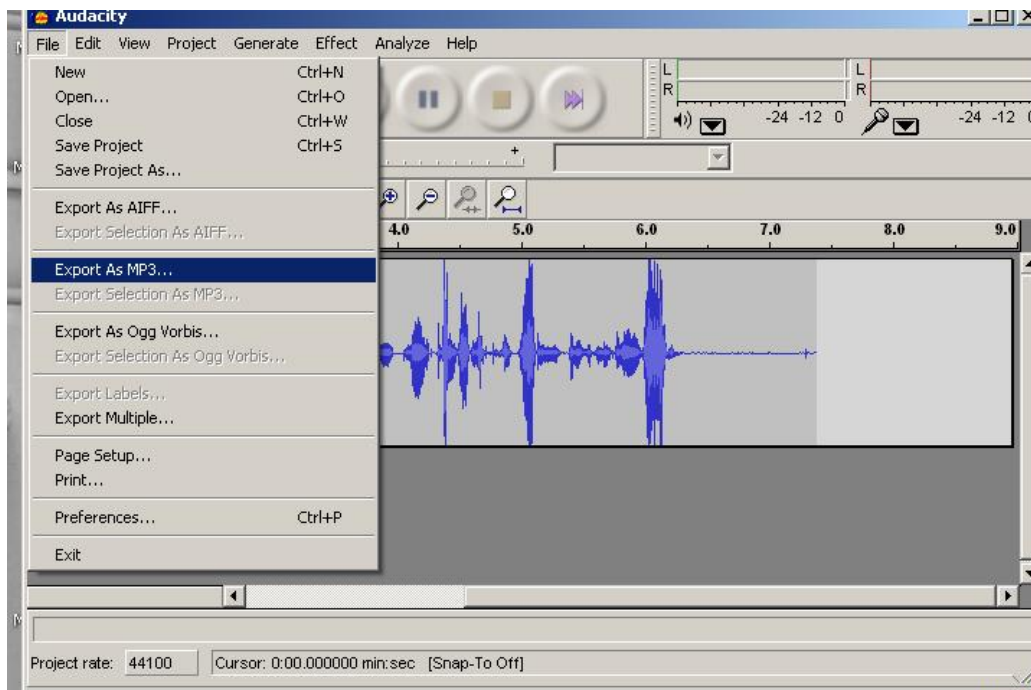
2. Click the Record Button.



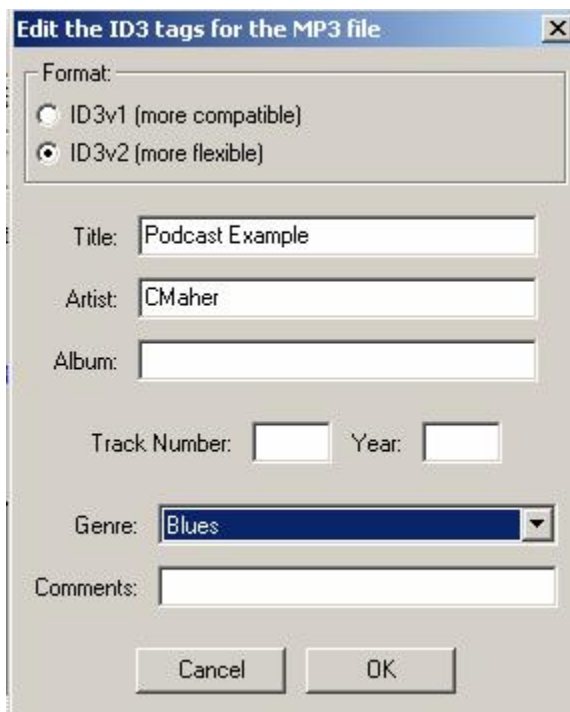
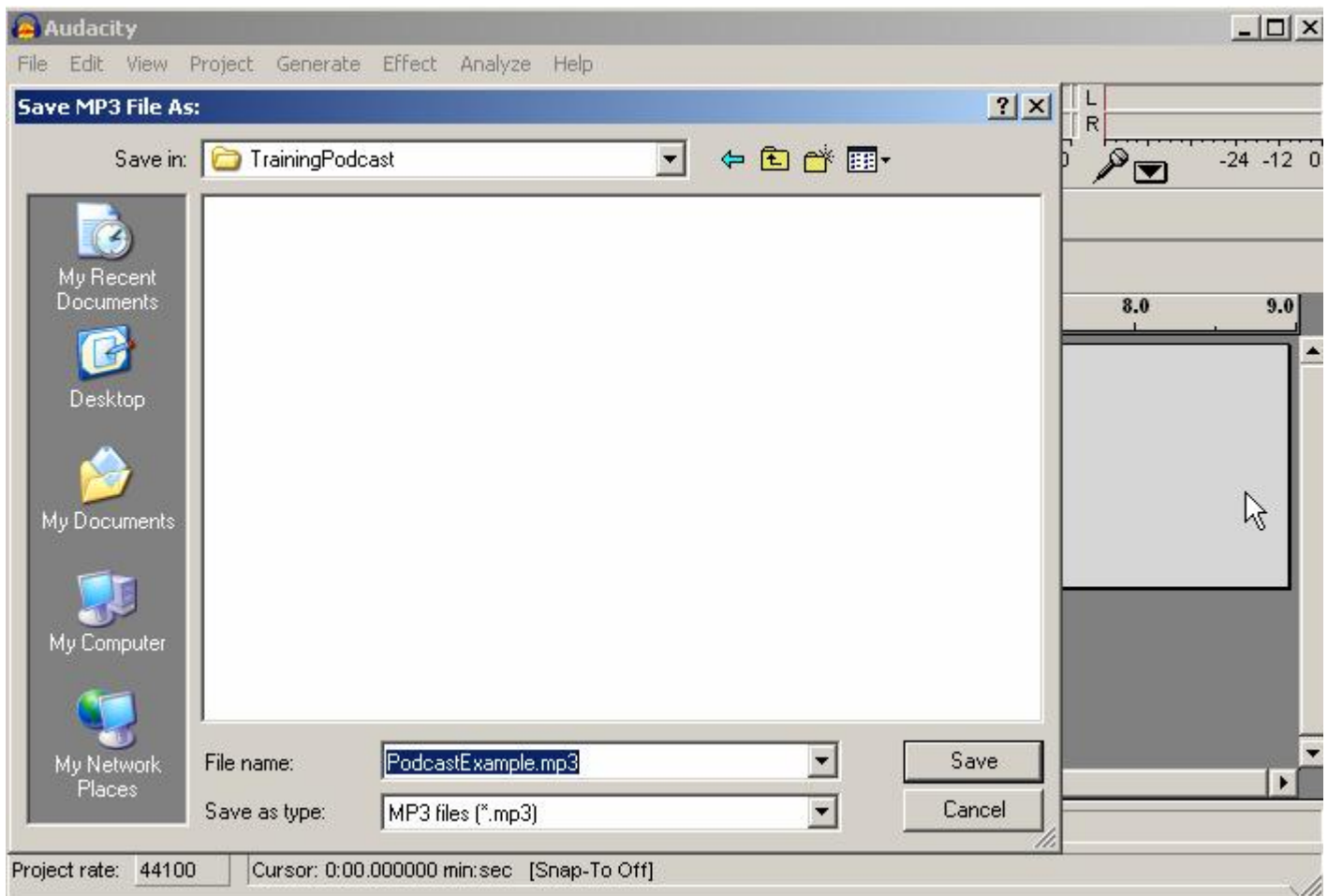
Click the Stop button when finished recording.



3. Export the file as an MP3. *(Note: The first time that audacity is used for exporting an MP3, the software will ask you to locate a lame_enc.dll file. It should be located in C:\windows\system32. If not the file can be downloaded from the Internet.)*



4. Use the pull-down menu to save the file to a specific folder / location on the computer. Name the file – generally name it relating to its content. Click the Save button.



An Edit ID3 tags for MP3 file dialog window appears, Fill in the Title, Artist (Author).

Under Genre the pull-down menu only lists music related categories, use Other as the category.

Click OK

Congratulations! You have just made a simple audio Podcast!

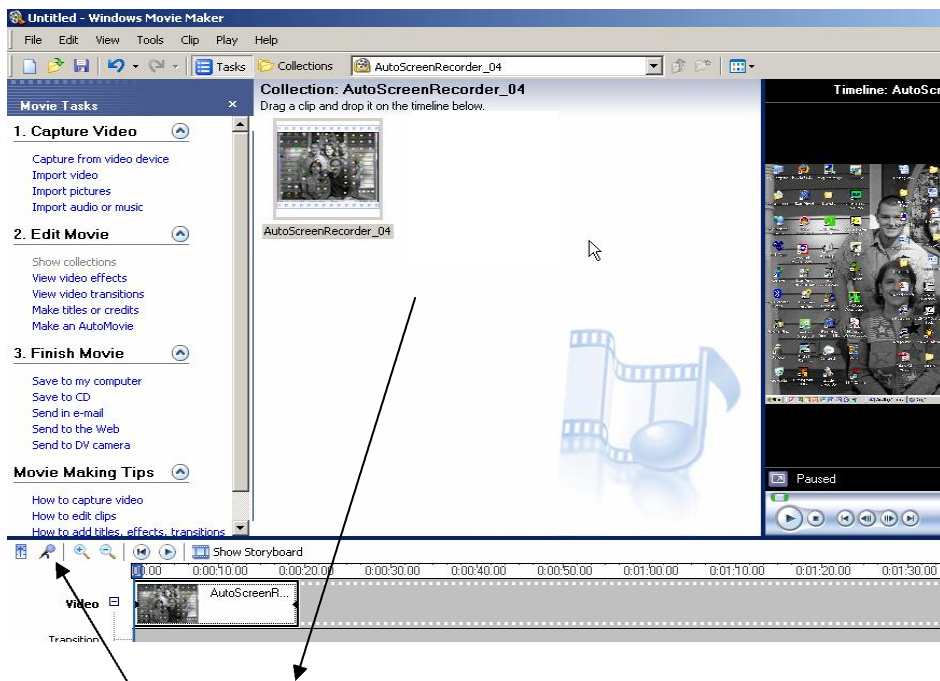
Let's take it a step further...video Podcast?

A video Podcast can be created using a digital camcorder and capturing it in a movie editing software.

For this workshop, we are going to use some simple programs to create a Podcast.

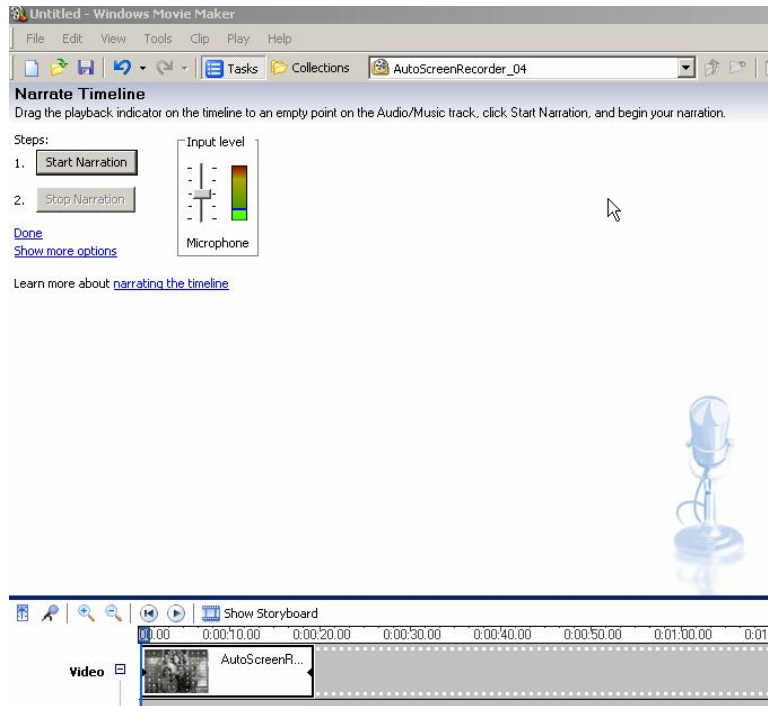
To begin, let's use a recording screen capture software, such as AutoScreenRecorder, a free application to record movement on the desktop.

1. Open AutoScreenRecorder
2. Set the AutoScreenRecorder window to Standby
3. Begin recording the instructions by right-clicking on the AutoScreenRecorder icon on the Taskbar, select Start Recording.
4. Capture the desktop for your instructional video clip.
5. End the recording the instructions by right-clicking on the AutoScreenRecorder icon on the Taskbar, select Stop Recording.
6. The software will produce and .avi file to the location set in the preferences. That file will be imported into Windows MovieMaker.
7. Open Windows MovieMaker. Click Import Video under 1. Capture Video. The imported file will be imported into the Collection section. Drag the video file to the timeline.

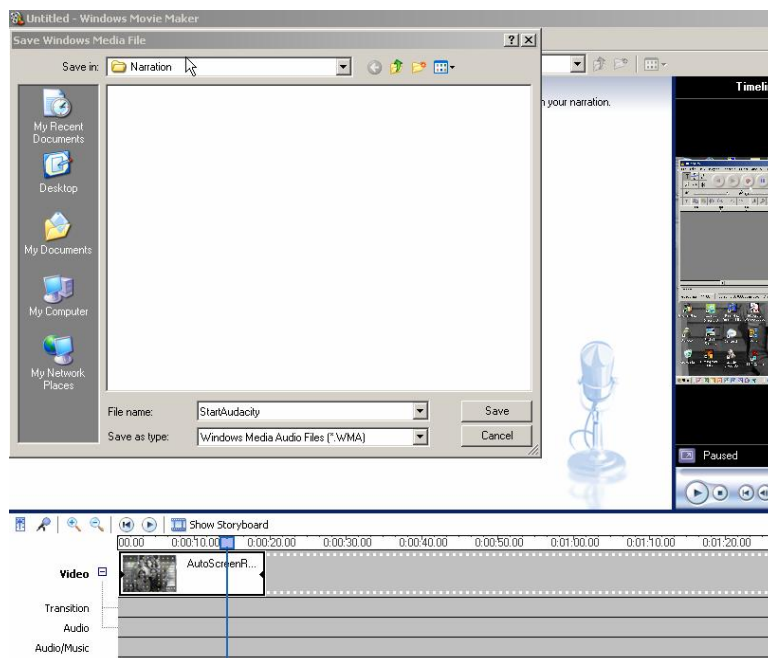


8. The narration for the video can be recorded within MovieMaker. Click the Microphone icon on left side to the left of the timeline.

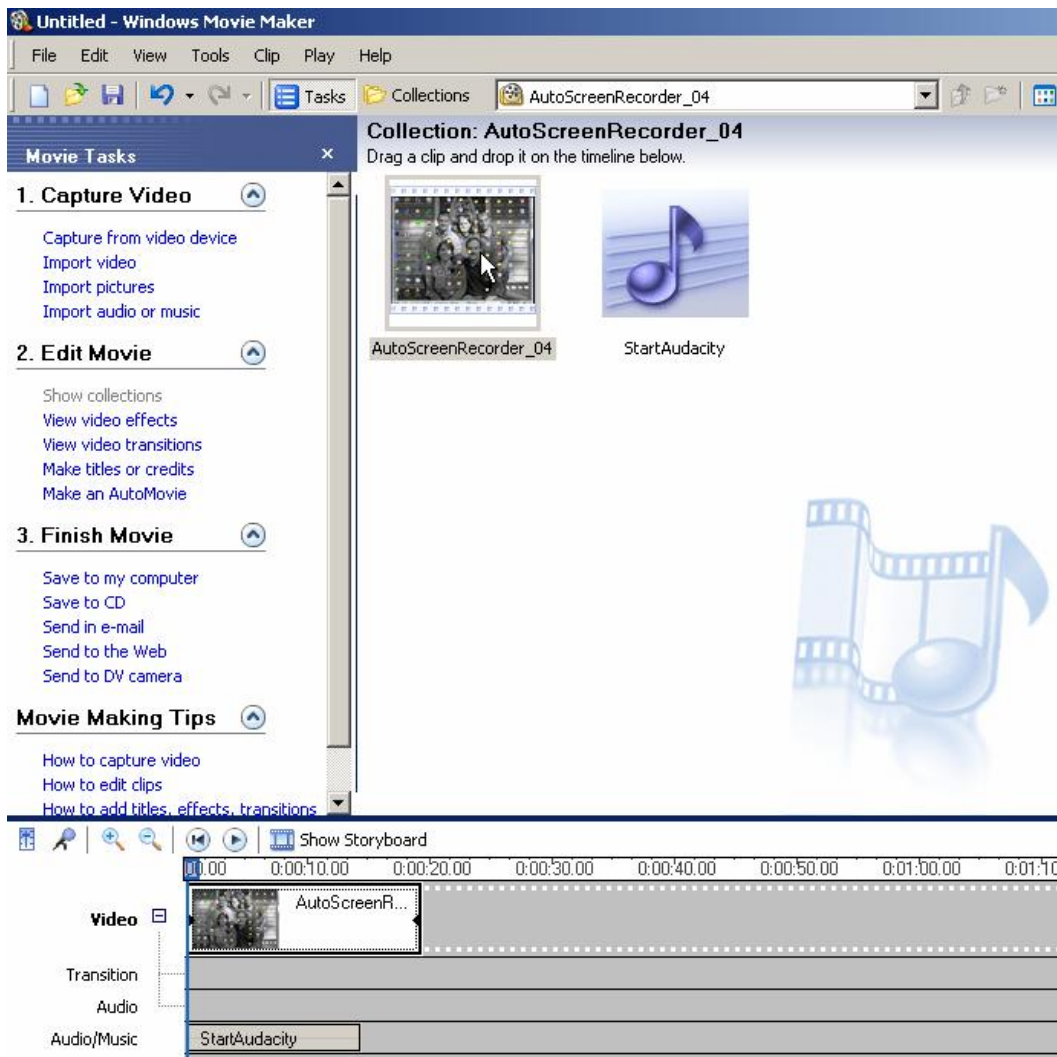
9. Record the narration by clicking the Start Narration button and end the recording by clicking the Stop Narration button.



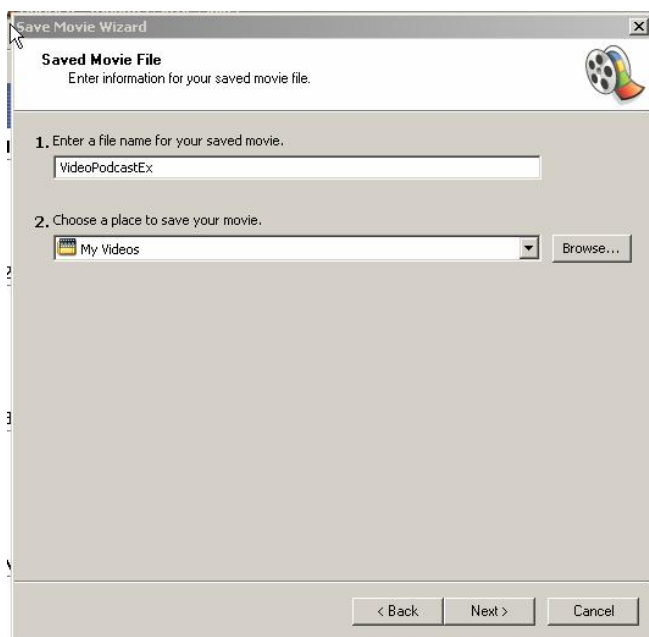
10. After the Stop Narration button is clicked, Windows MovieMaker will prompt to save the file. Name it and click the Save button.



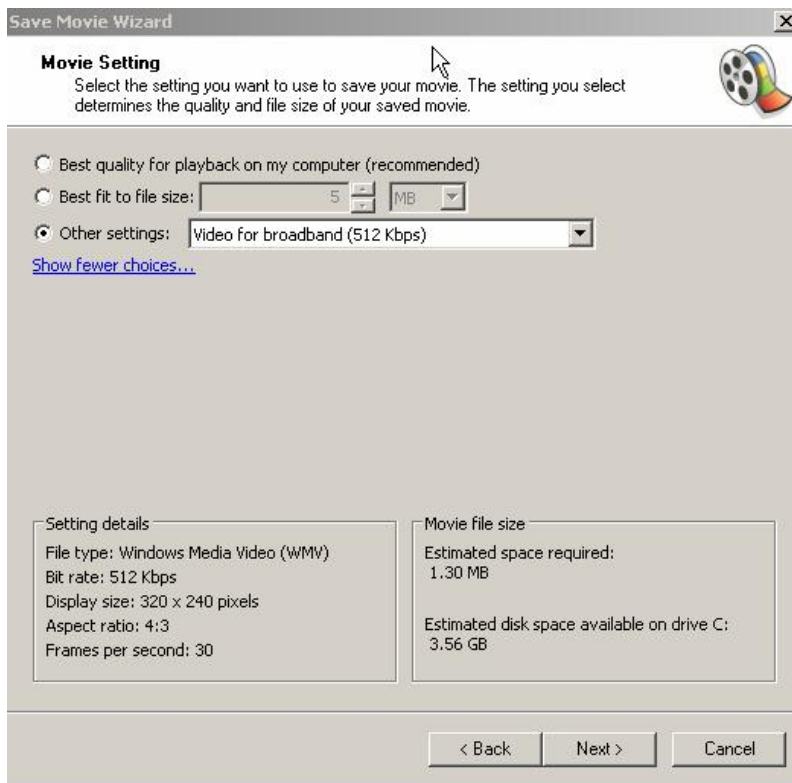
11. The audio file will automatically be placed in the collection area for the project and in the timeline in the audio track.



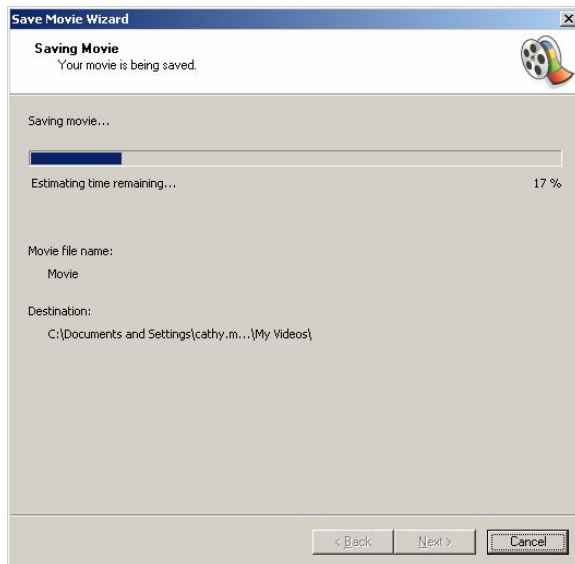
12. Save the Movie File. Under Movie tasks, 3. Finish Movie, Save to my computer. Name the file in the 1. textbox, 2. Select the folder to save it to – the default My Videos folder works well for this. Click the Next button



13. The file can be saved as video for broadband. Click the Next button.



The video will save to the My Videos folder and click the finish button.



The movie is saved as a .wmv file.

The file can be converted to a 320 X 240 mpg by importing the video into another video editing program or a free video conversion program, such as Jodix Free iPod Video Converter. It will convert the following video file types: **DVD/VCD and AVI, MPEG, WMV, RM, RMVB, DivX, ASF, VOB.**

1. Add the file.
2. Jodix will step through a step by step wizard.
3. Click the Convert button and the software will convert to a video podcast.
4. The podcast will play in iTunes and can be synchronized to a video iPod.