



# GarageBand

## Got Music?

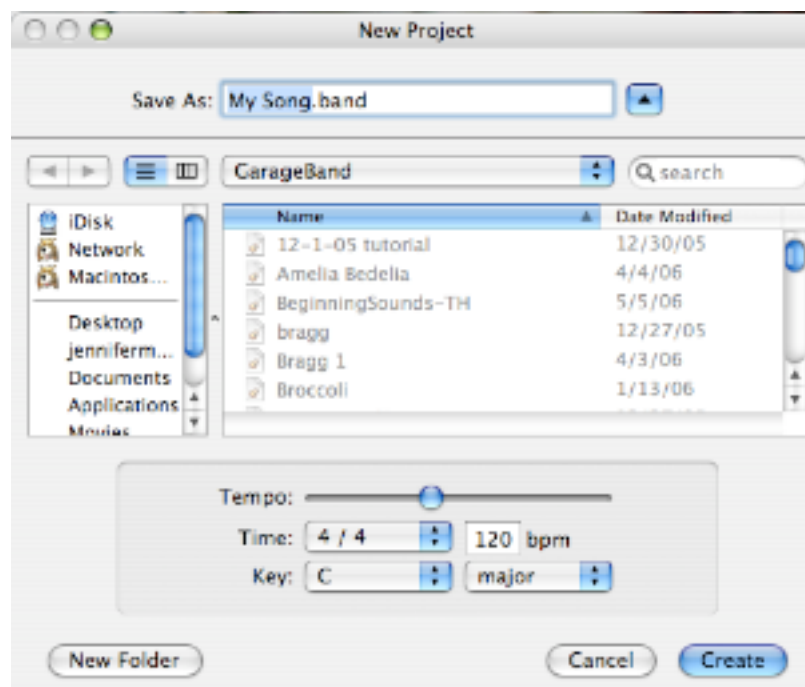


**To start making music in GarageBand**, you need to create a new document. Before you can begin creating music, you have to decide what kind of project you'd like to make.

(If you have already created a project in GarageBand, the last song you made will open. Just close that window and you should see this)



In the newest version of GarageBand, you can create a new music project, new podcast episode, or a new movie score. Let's start with "New Music Project."



After you click on “New Music Project,” you can name your project and click “Create.” If you’re planning on using loops, the tempo and time won’t really apply. Otherwise, when changing the tempo, remember that the lower the number, the slower the song. Most songs are in 4/4 time, but another popular time is 3/4. Most waltzes are in 3/4 time.

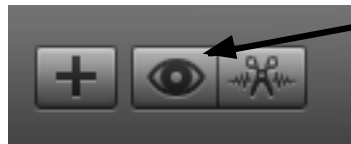
Name your song and click “Create.”

A small keyboard will pop up. If you’re planning to mainly use loops, you can close that window.

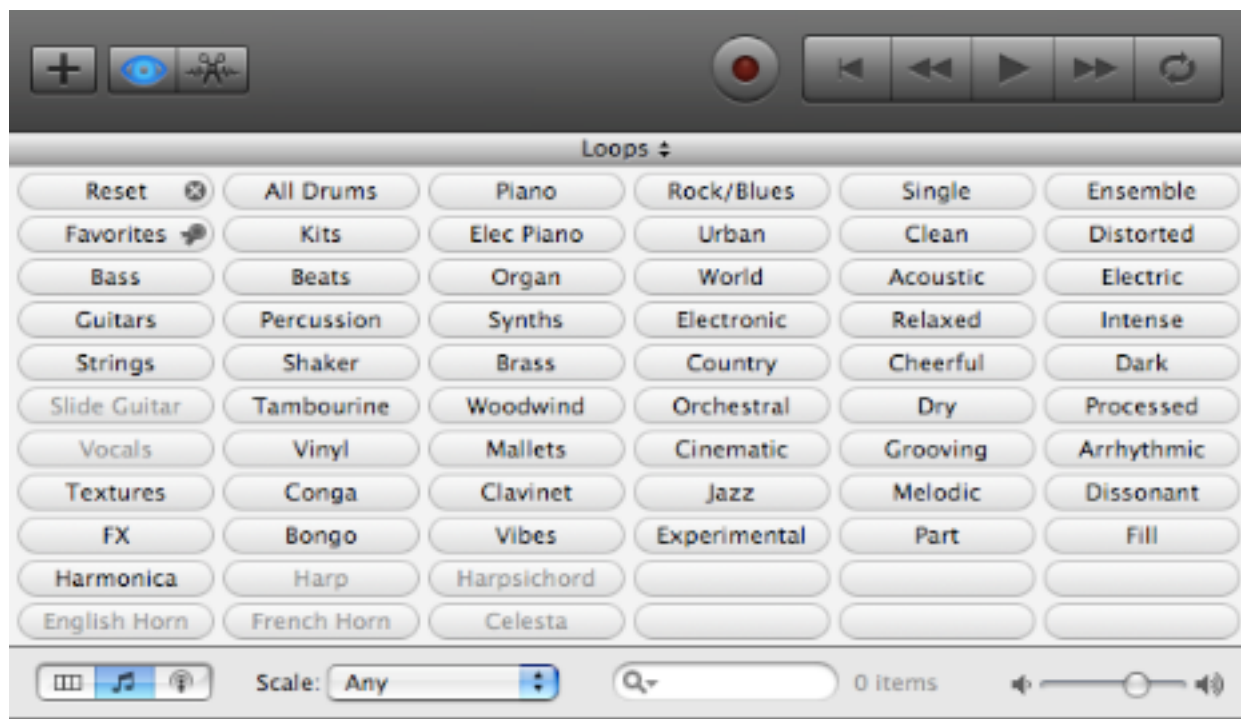
Now I’m sure you’re wondering. . . **“What are loops?”**

## What are Loops?

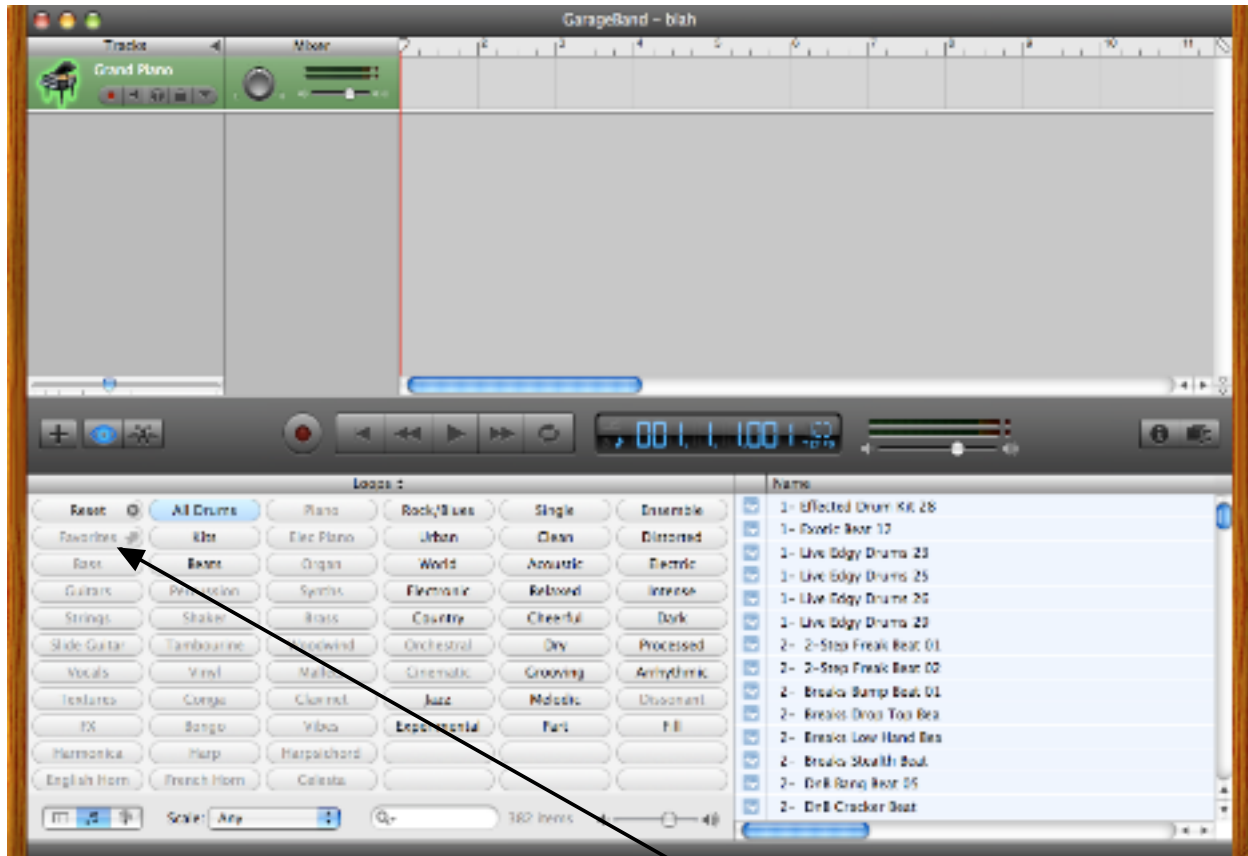
In GarageBand, loops are prerecorded beats and musical riffs that can be repeated and layered to create songs. Songs can be created using ONLY loops. On your screen, at the bottom, there is a button that looks like an eye. Click this button to view the loops.



When you click on the various instruments, a list pops up in the right column.



To hear each loop, click on it. To stop the loop, click on it again.



To listen to a different group of loops, click on “reset” and then select a different set of loops.

***Now that you know where they are, you’re ready to begin!***

When building a song made up of loops, it’s usually good to start with either a drum beat or a bass loop. These instruments are the foundation of most songs and are a great starting point.

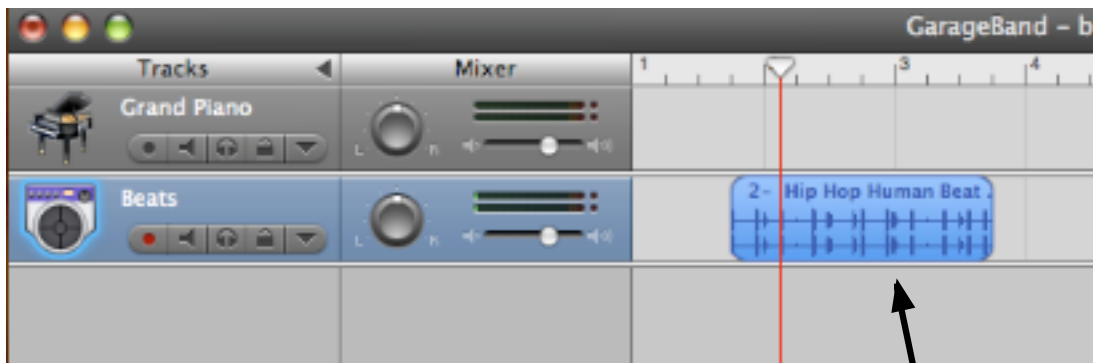
As you click on an instrument, others will grey out. The computer is filtering out choices that you don’t need. For example: (above)

I clicked on “All Drums” and Bass, Guitars, Strings, Piano, etc. all greyed out.

Now I can either select a “style” (example: rock/ blues, urban, world) or a “mood” (example: Cheerful, Dark, Intense)

The program will continue to filter out extra loops and give you a more specific list. You can make your list as exact or as broad as you want.

Once you find a loop that you want, simply click and drag it to the open space above.



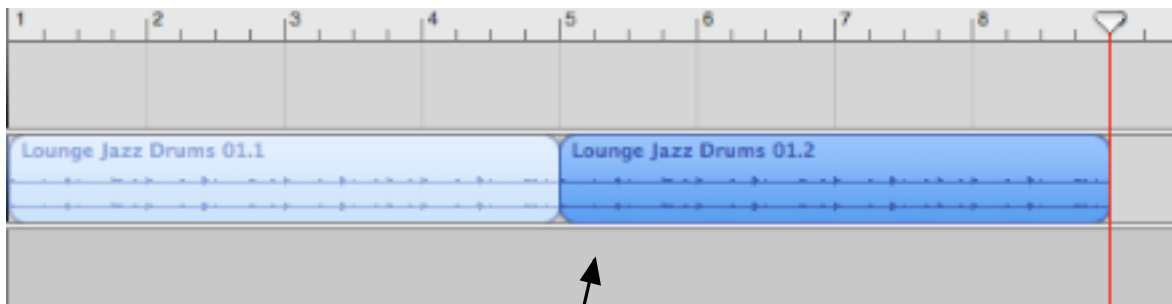
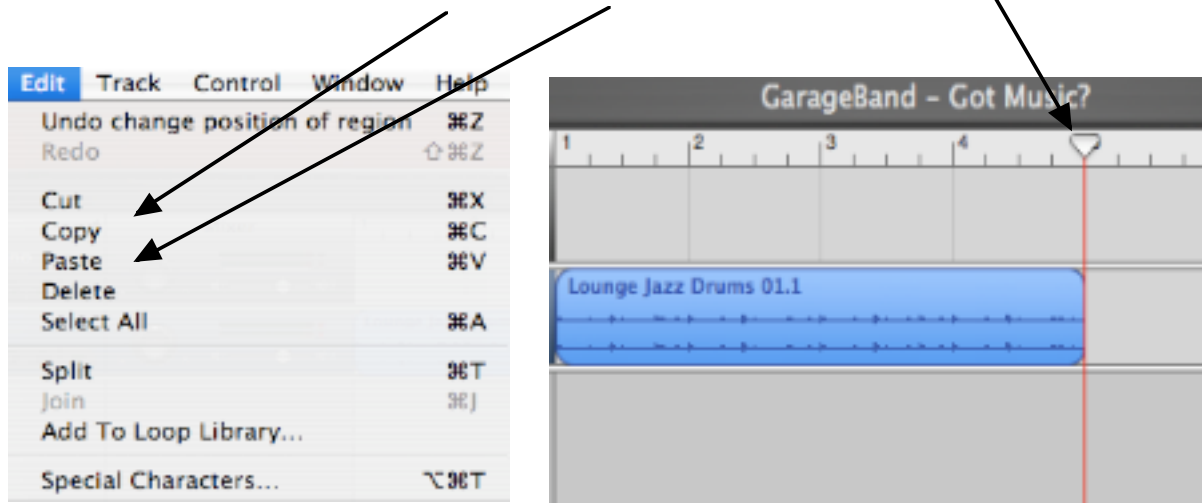
When you let go of the mouse, it should look something like this:

If your loop doesn't drop in at the very beginning of the line, you can just click and drag it to the beginning.



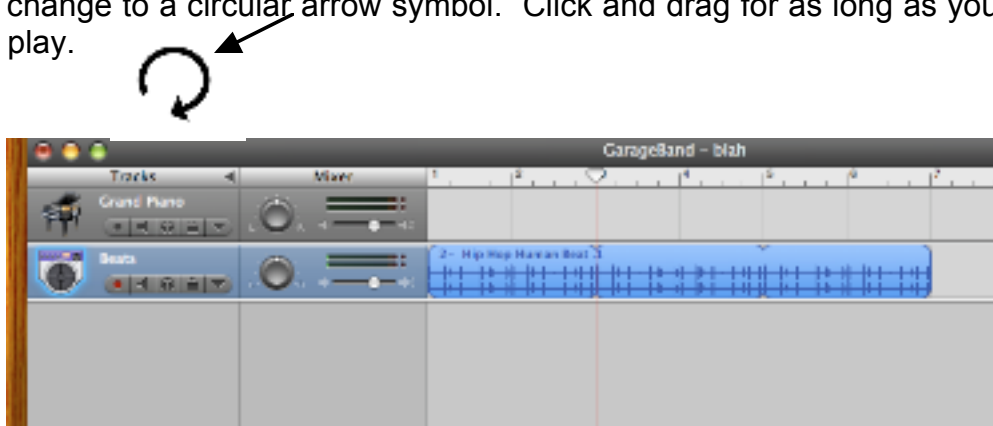
If you would like to extend a loop or cut and paste it, you can do one of two things.

1. Click on the loop and go to Edit > Copy. Then set the playhead to the place you would like the loop to be and select Edit> Paste.



Your loop should have dropped in right after the place you put the playhead.

2. Now for the easy way! Go to the right edge of your loop & your mouse arrow should change to a circular arrow symbol. Click and drag for as long as you want the loop to play.



Now you're ready to go crazy! You can continue to click on different instruments and drag loops in. Remember, when you drag a new loop in, drag it to the empty space.

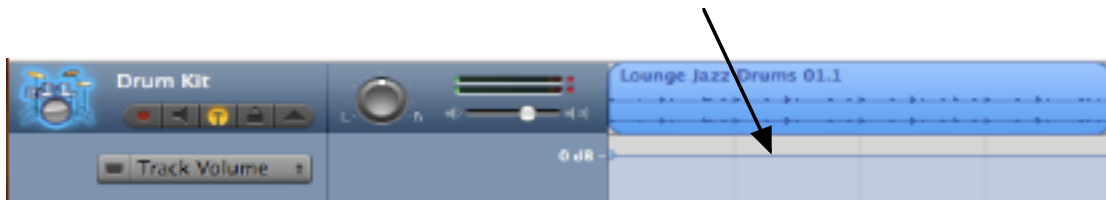
If you would like to hear individual instruments, you can click on the headphones symbol & listen ONLY to that instrument. To listen to everything, just click on the headphones again.



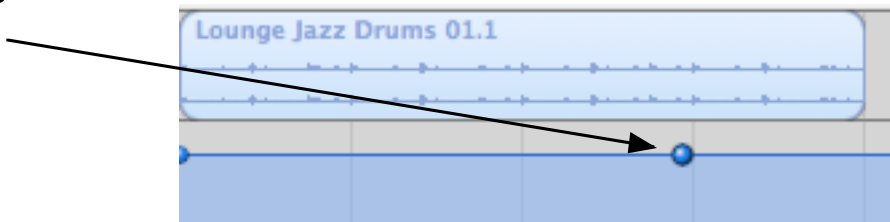
## Changing the Volume

There will be times when you want a track to fade out or get softer and louder. To do this, click on the triangle next to the headphones.

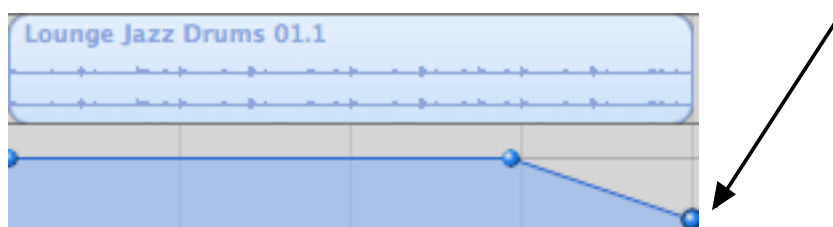
A line will open below your loop.



You can now click on different points of the line and drag the volume down or up to make the track louder or softer. Simply, click once where you want the change to begin:



Click again where you want the change to end and drag the line either up or down.



If you would like an entire song to fade out, you can control the “Master” track volume in the same way:

Go to Track > Show Master Track:

Then, a master track volume line will appear at the bottom of the loops.

Continue the same way you controlled the individual track volumes.

Track	Control	Window
Hide Track Mixer		⌘Y
Show Track Info		⌘I
Show Master Track		⌘B
New Track...		⇧⌘N
Delete Track		⌘⌫
Duplicate Track		⌘D
New Basic Track		⇧⌘N



## Adding your voice to a song

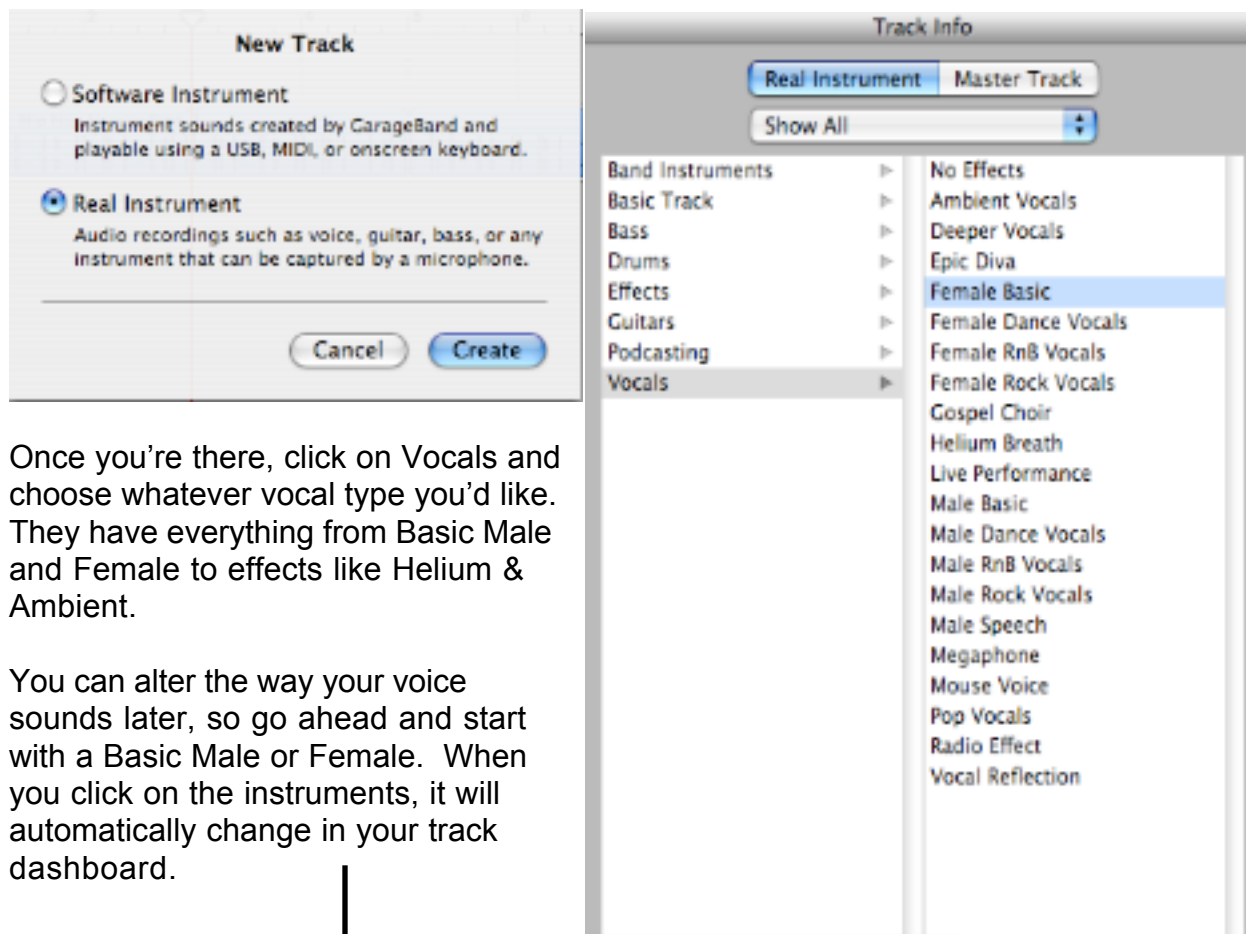
You can add your voice to GarageBand as easily as you added loops. The first step is to create a new track. Go to Track> New Track:

(You can also hit the + sign to add a new track)



Track	Control	Share	Window
Hide Track Mixer			⌘Y
Show Track Info			⌘I
Show Master Track			⌘B
Show Podcast Track			⇧⌘B
Show Video Track			⇧⌘B
New Track...			⇧⌘N
Delete Track			⌘⌫
Duplicate Track			⌘D
New Basic Track			⇧⌘N

A window will open up that allows you to choose between adding a software Instrument or a Real Instrument. Choose “Real Instrument” and click “Create.”



Once you’re there, click on Vocals and choose whatever vocal type you’d like. They have everything from Basic Male and Female to effects like Helium & Ambient.

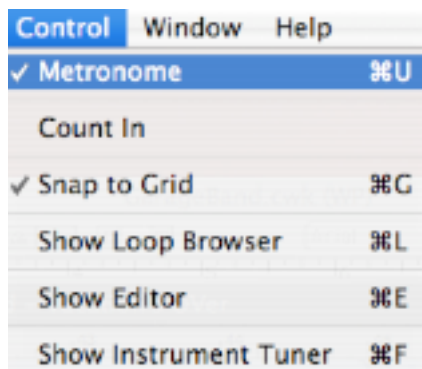
You can alter the way your voice sounds later, so go ahead and start with a Basic Male or Female. When you click on the instruments, it will automatically change in your track dashboard.



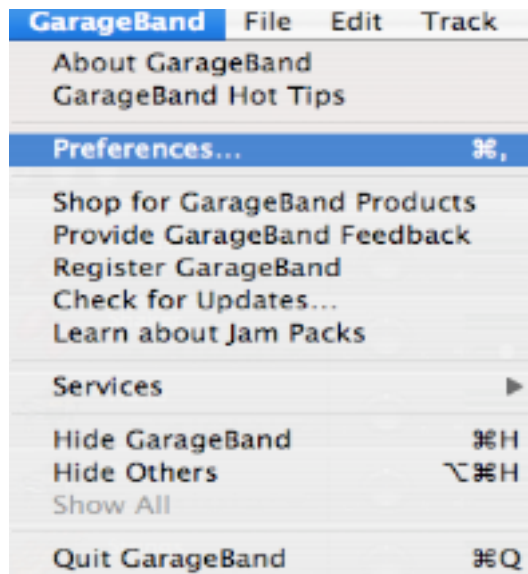
Before you record your voice, you need to turn off the metronome. The metronome is a tool that is used to click off the beat for you if you’re playing a live instrument. It’s usually very helpful in keeping the beat, but since you will be using the microphone in your computer, you don’t want to also record the “click” sound.

Go to Control> Metronome

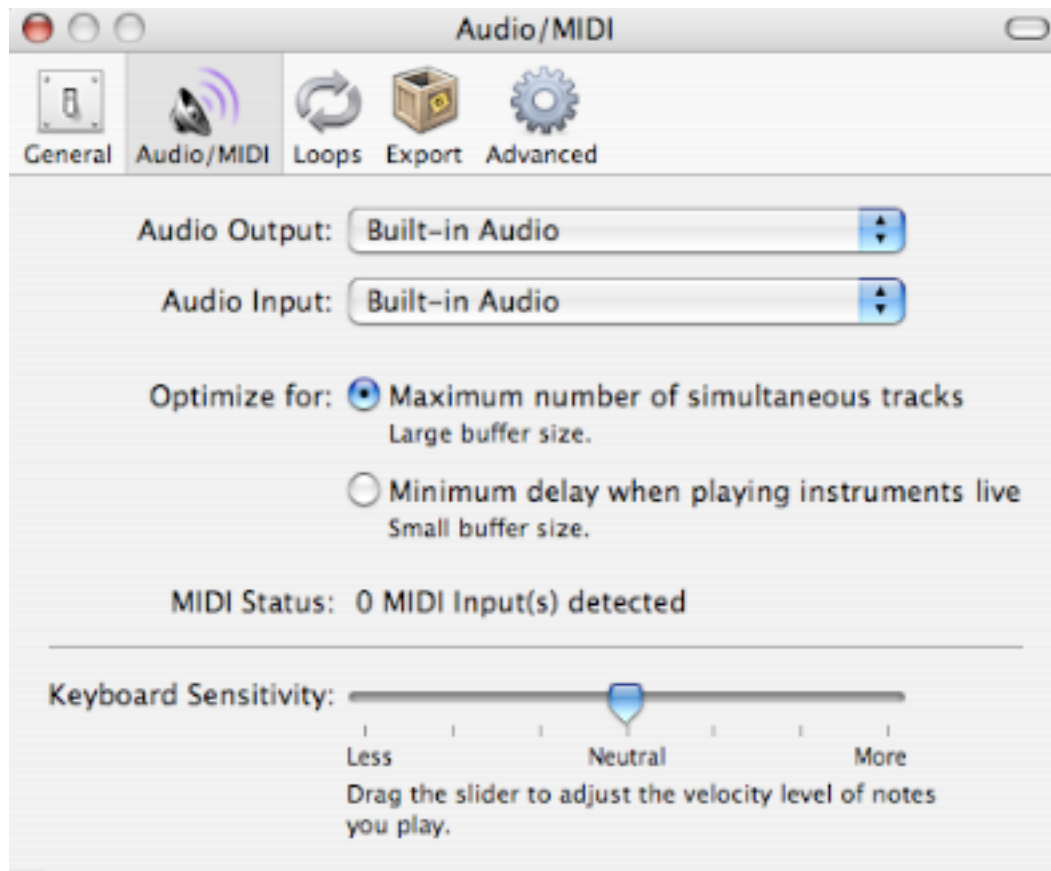
If the Metronome is already checked, you need to uncheck it so that it will turn off. If it’s already unchecked, you don’t have to do anything.



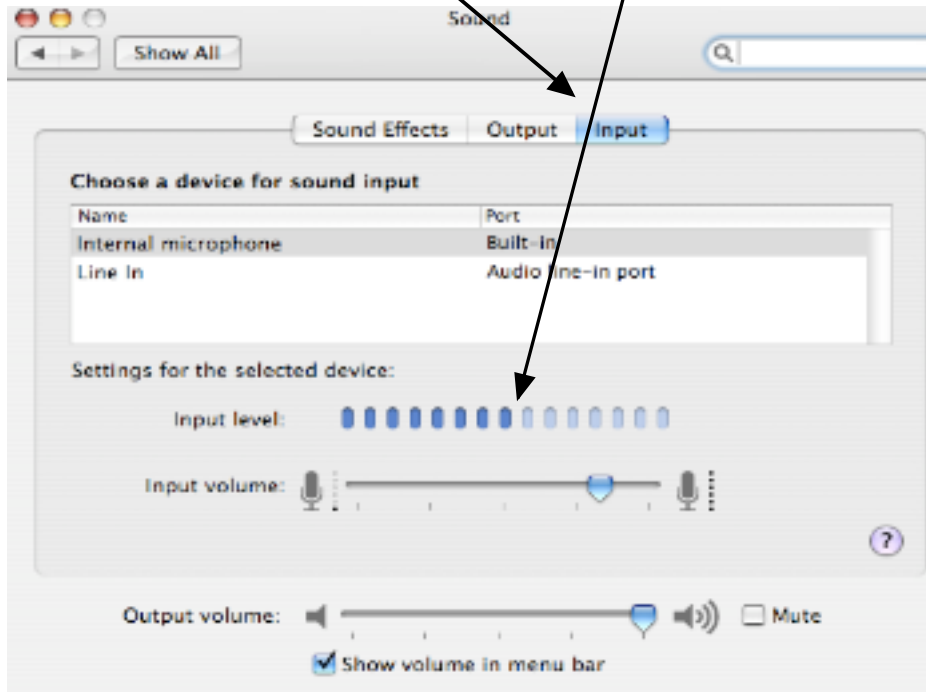
Before you record your voice, it's a good idea to be sure that your computer's microphone is active. To do this you need to: Go to GarageBand> Preferences. . .



Click on "Audio/MIDI" and be sure that your Audio Output and Audio Input both say "Built-in Audio"

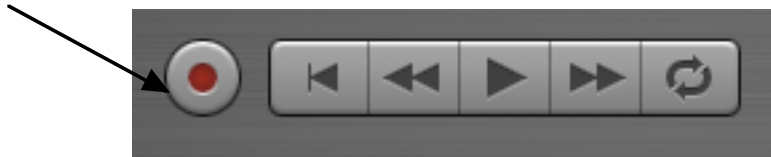


Now go to the System Preferences of your computer & click on “Sound”  
Be sure when you click on “Input,” your Internal microphone is highlighted. Talk a little and test the microphone. you should see the sensor light up when you talk.  
Close system preferences.



Once you have checked your computer’s sound settings, you shouldn’t have to do it again. Your computer may already be set to record, but it’s a good idea to check.  
Now- let’s do some recording!

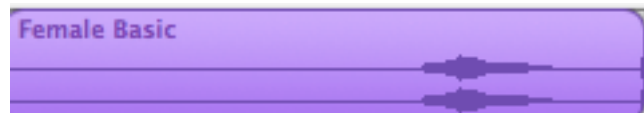
In GarageBand, you can either record your voice with the rest of the music playing or you can record it alone. Click the “Record” button when you’re ready to record. To stop the recording, hit the “Record” button again.



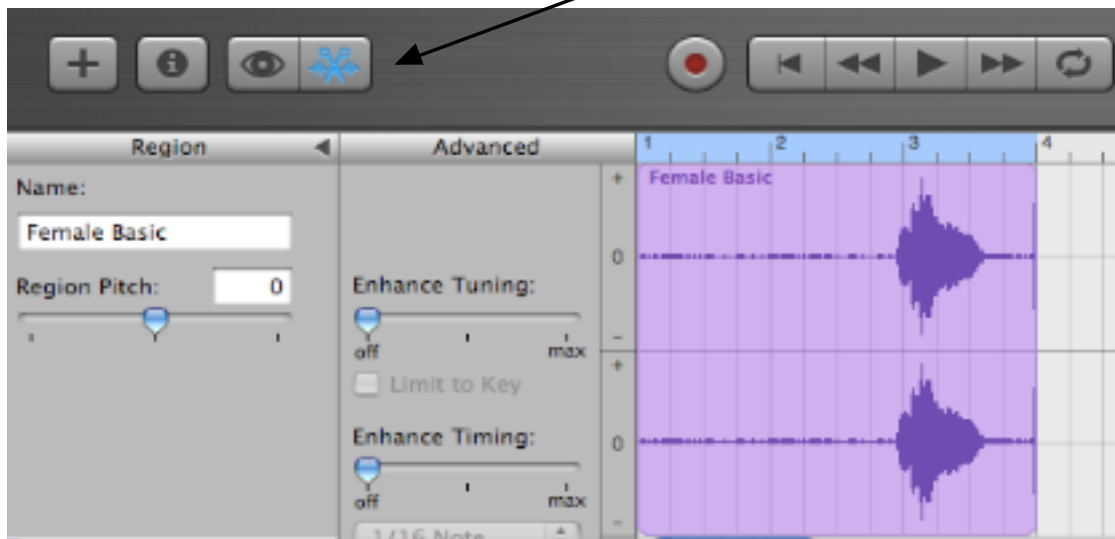
If you’d like to have it record without the rest of the song playing, click the “Headphones” button and follow the same instructions above.



When you have your voice recorded, it should look *something* like this:



For an enlarged view, click on the “scissors” button at the bottom.

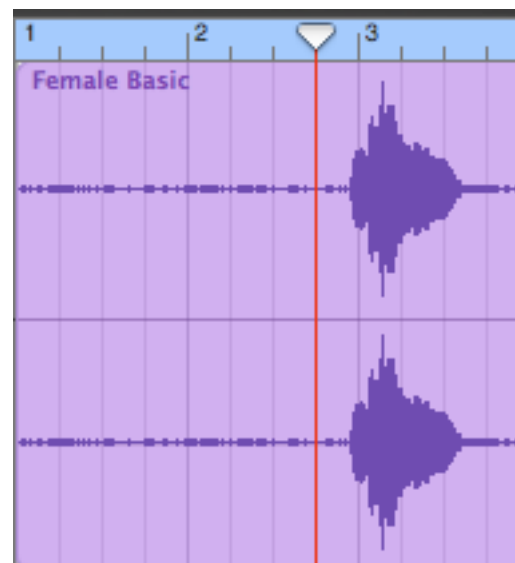


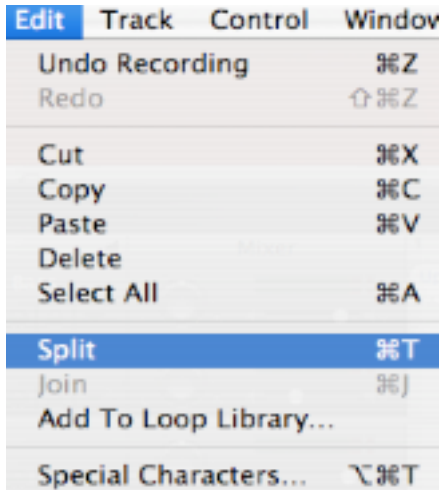
If you'd like to cut off some of the excess recording, you can use the editing window that is exposed when you click on the “Scissors” button. You do this by “splitting the track”

You will, basically, be splitting the track that you just recorded into 2 different parts and then deleting the one that is not needed.

For example, my track has a lot of extra “dead air” at the beginning of the recording, so I am going to split my track just before the sound comes in and delete the beginning.

1. Place the playhead where you want to split the recording.
2. Go to Edit> Split (or apple T)  
(see next page)





3. Now go to the “loop area” and select only the part of the track you don’t want & press delete.

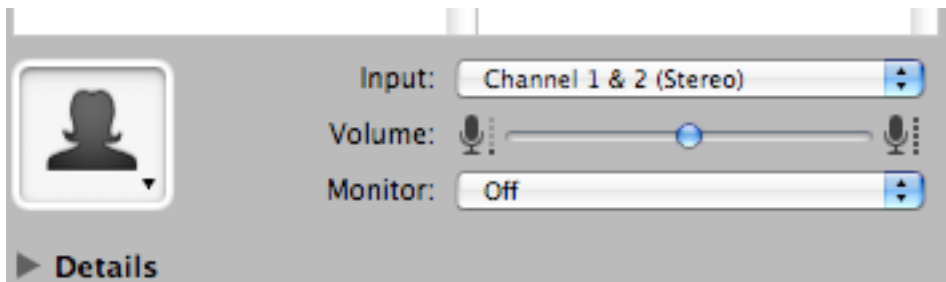


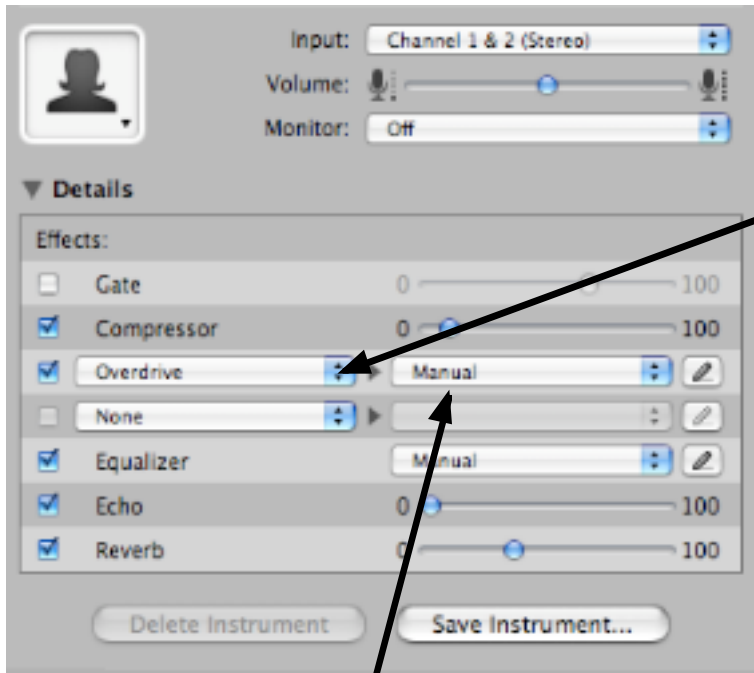
Now that you have recorded and edited your voice, you can leave it “as is” or you can change it!

To change the way your voice sounds, select the vocal track and click on the “i” button near the right of your screen.

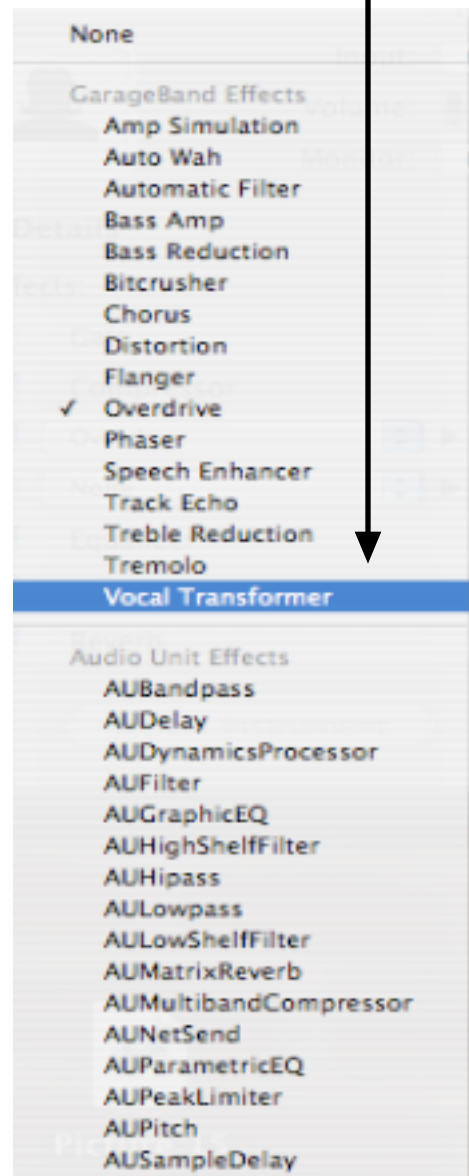


A window will open up on the right and you will see the word “Details” with a triangle next to it. Click on the triangle and a new window will open.





You'll see a pop-up menu under the word "Compressor."  
When you click on it, you will get a list of different options. One of them will say "Vocal Transformer."



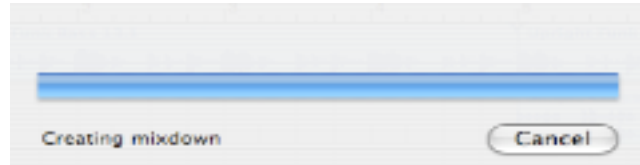
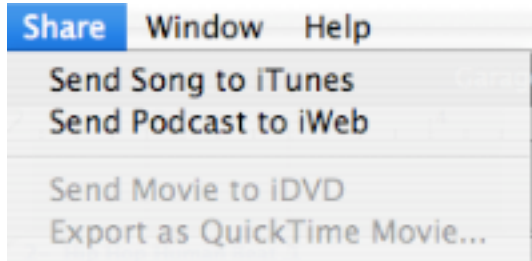
To the right of the "Vocal Transformer" pop-up menu, you'll see another pop-up menu that says "Manual." Click on it and choose a type of voice. If you're a woman & want a nice "Barry White" sound, you can select "Female to Male." The same applies to men! You can also make your voice sound like a chipmunk, monster, droid, and lots of other fun sounds. Take some time to play around with the sound of your recording.

Each time you make a change, go back to your song and play the recording.

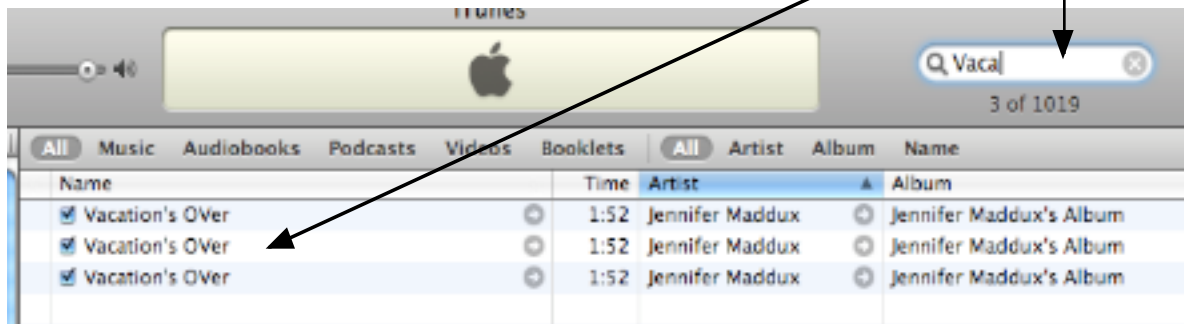


## Exporting your song:

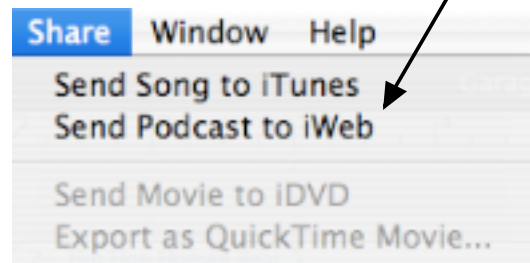
Once you've got your song just the way you like it, you can export it to iTunes. iTunes allows you to use your song in your iMovies, Presentations, or any other program you might use that can have sound added. To export, go to:



Share> Send Song to iTunes. . . . **THAT'S IT!** GarageBand will send your song to iTunes and your song will automatically open up! If you have trouble finding your song in iTunes, just do a search for it



If you've created a website in iWeb, you can send your song there as well.



## Creating a Podcast:



When you open GarageBand, click on “New Podcast Episode.”

When the podcast window opens, you’ll notice some different tracks already set up for you. (See the picture on the next page for an explanation of the set-up)



Podcast Track: this is where you will place pictures and/or clip-art for your podcast.

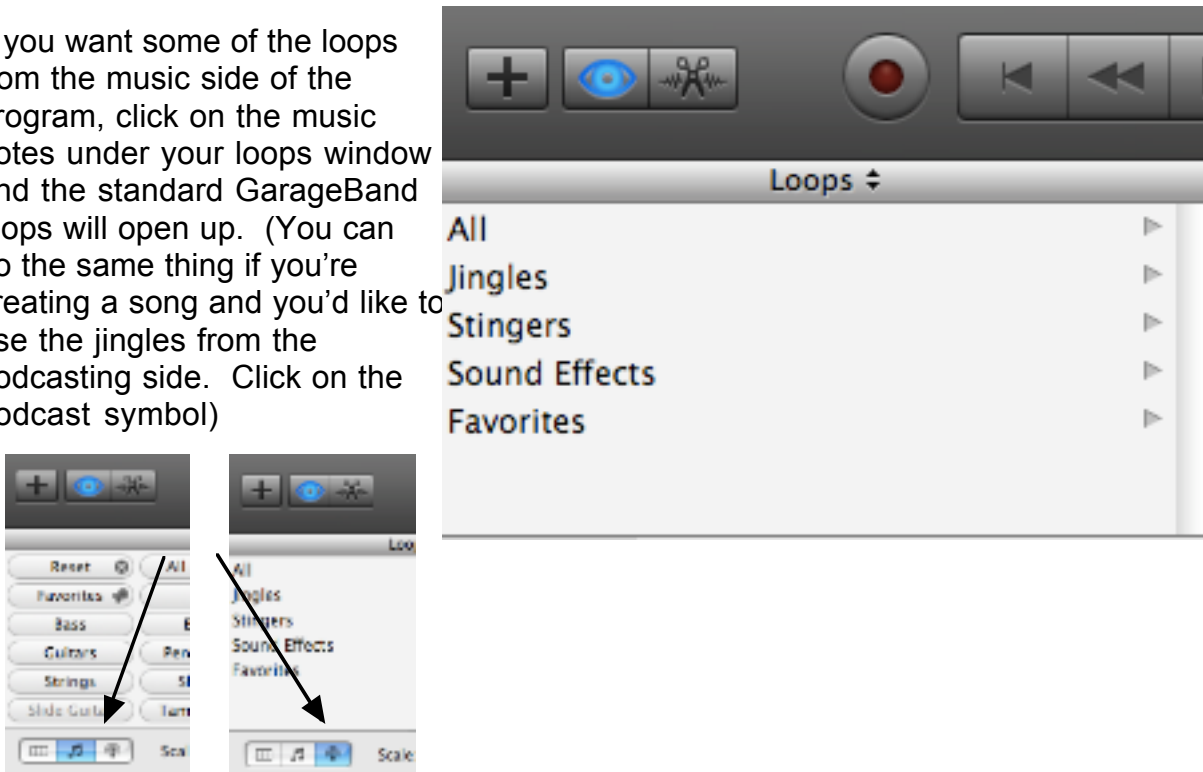
Male/Female Voice: These tracks are already set up for you to record your podcast.

Jingles: This track is available for you to drag pre-recorded tracks into your podcast.

Media Browser: this window automatically opens and allows you to drag songs from iTunes, pictures from iPhoto, and movies from iMovie into your podcast.

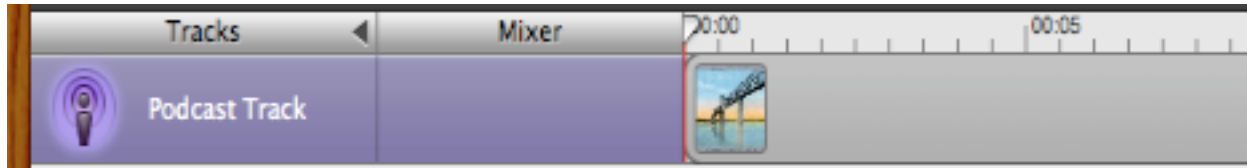
Another feature in podcasting are the loops. The podcasting loops in GarageBand 3 are specifically designed for podcasting. They aren't just one instrument. They are sound bytes of entire bands playing lead-in music and samples. These are found by clicking on the eye button at the bottom of the screen. The samples are under "Jingles" and the other categories "Sound Effects" and "Stingers."

If you want some of the loops from the music side of the program, click on the music notes under your loops window and the standard GarageBand loops will open up. (You can do the same thing if you're creating a song and you'd like to use the jingles from the podcasting side. Click on the podcast symbol)



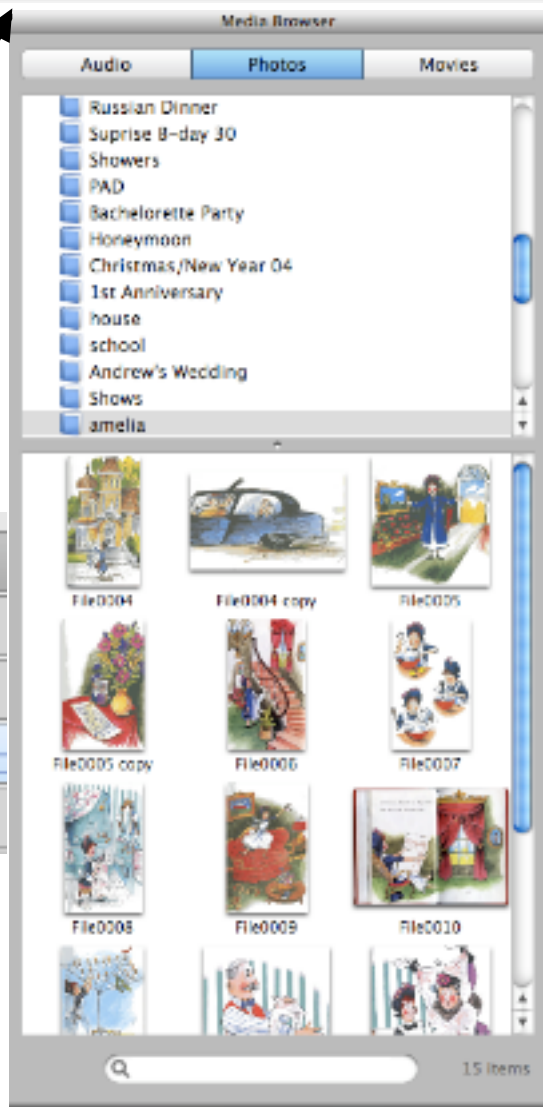
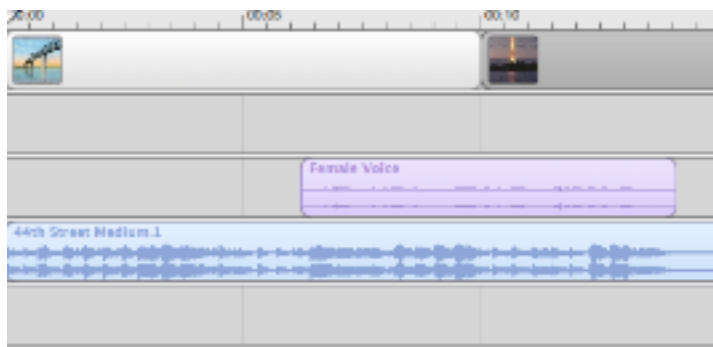
These categories are the same as the loops you encountered previously. Click on each and you'll see sub-categories. You'll notice that some of the sound samples have 3 different lengths. Long, Medium, and Short. These are the same song created for different needs in your podcast.





Your podcast can also include pictures. To add a picture to your podcast, click on “Photos” in the Media Browser and click and drag the picture of your choice to the podcast track at the top of your screen.

You can drag more than one picture into the track and as the podcast plays, you’ll also get to view a “slide show.”



As you drag pictures in, they will be added to the bottom of the screen in the “chapter” area.

(In order to see the chapters, you need to click on the scissors icon.)



Time	Artwork	Chapter Title
00:00:00.000		Chapter Title
00:00:10.000		Chapter Title

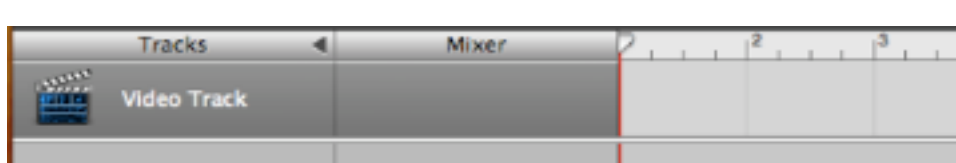
## Creating a Movie Score:

In the new version of GarageBand, you can also create “Movie Scores” for your movies. Once you’ve finished creating a movie in iMovie, you can either save it or send it to GarageBand. The following are directions on how to open a new movie score and drag your created movie into GarageBand. As before, you will see this window when you open GarageBand:

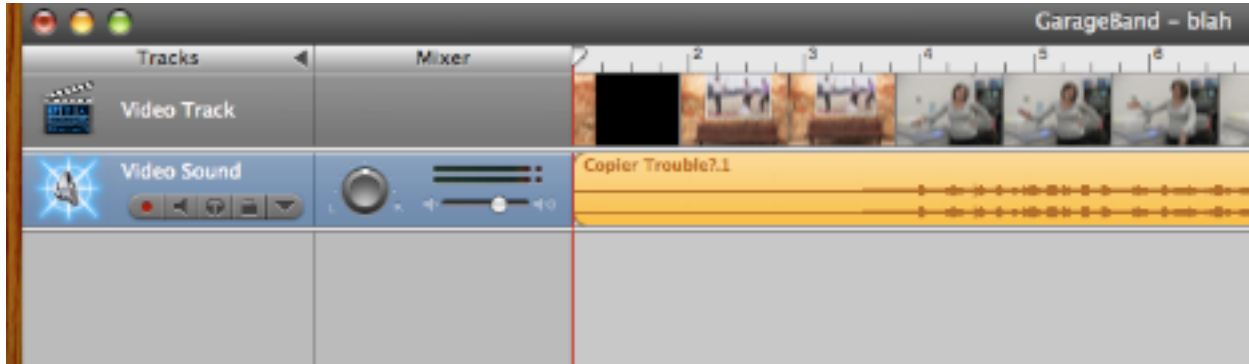


Click on New Movie Score.

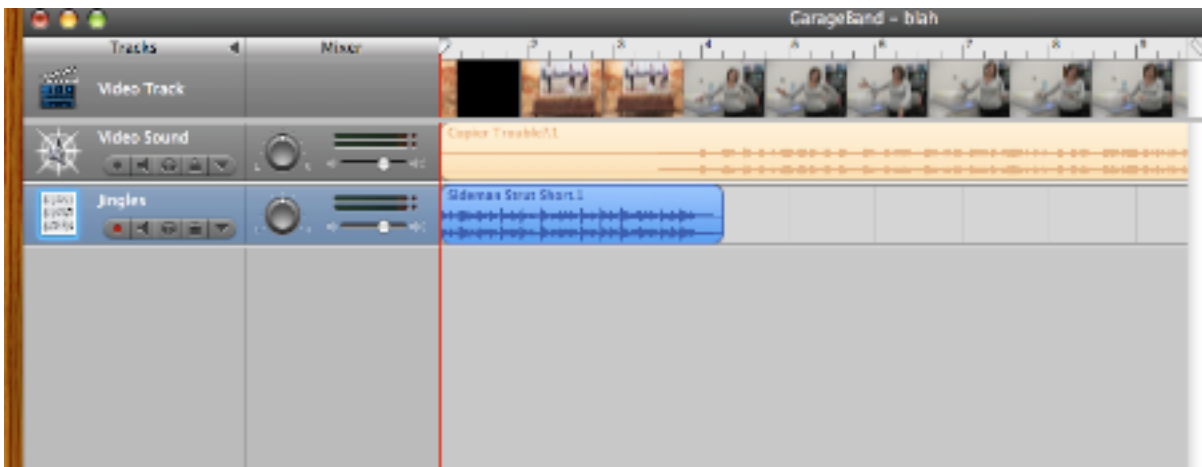
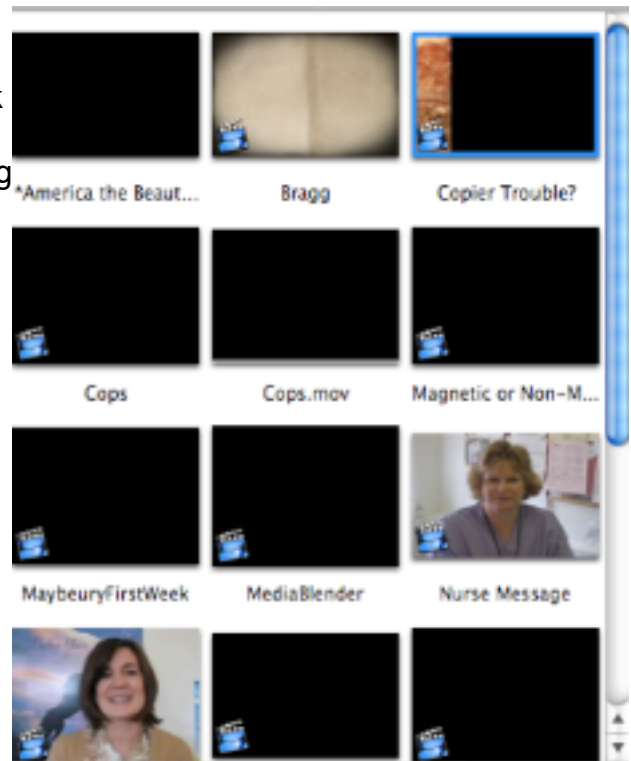
You’ll see the same window open up, however, the “movie” window will be open in the media browser. You’ll also see there is only one track created. The “Video Track.”



In order to import your movie into GarageBand, click and drag your finished movie from the media browser to the video track.



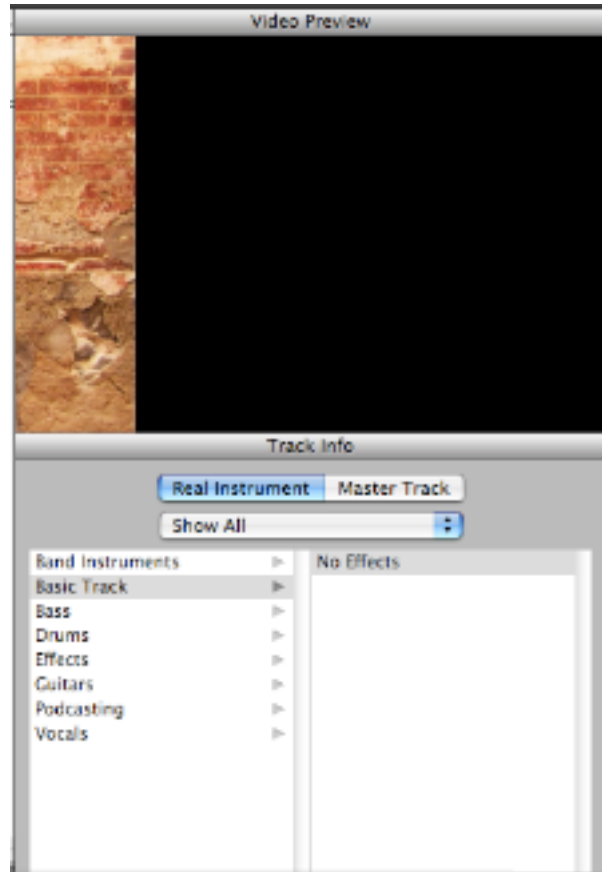
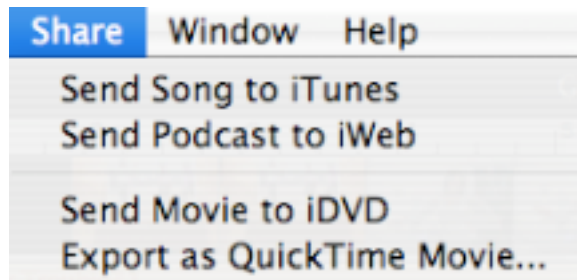
When you drag your movie into the "Video Track," GarageBand will automatically create a "Video Sound" track that will hold all of the sounds in your iMovie. At this point, you can begin clicking and dragging loops into the GarageBand document and export your movie when finished.



If you click on the “i” button, a preview of your movie with the GarageBand music will be displayed. To play the movie, click the play button in GarageBand.



When you're ready to export your movie, click on Share and send it to its final destination. You have the option of iTunes, iWeb, iDVD, or a Quicktime movie.



## Additional Help & Information

Once you feel like you've mastered the concepts in this handout and you'd like more instruction, you can go to the following website for additional help.

GarageBand.com: <http://www.garageband.com>

If you have an “Atomic Learning” membership, they have an incredible tutorial on how to use GarageBand.

Atomic Learning: <http://www.atomiclearning.com>

There are also various websites on the internet where you can download additional GarageBand loops. The easiest way to find these is to do a “Google” search for them.

Now go. . .

# MAKE SOME MUSIC!