Film Scoring with Garageband

A Panda Style Tutorial

Composing a Film Score
to a scene from

Kung Fu Panda
& making it legendary...

As part of our studies on Film Music you get the chance to compose your own score for the beginning scene from Kung Fu Panda.

Follow the steps outlined in this tutorial to setup your *scoring session*.
Take note of the *tools* along the way to help you create an effective film score!

What's in this Booklet?

> A Quick Overview of Garageband 2011

• Opening
• Exploring
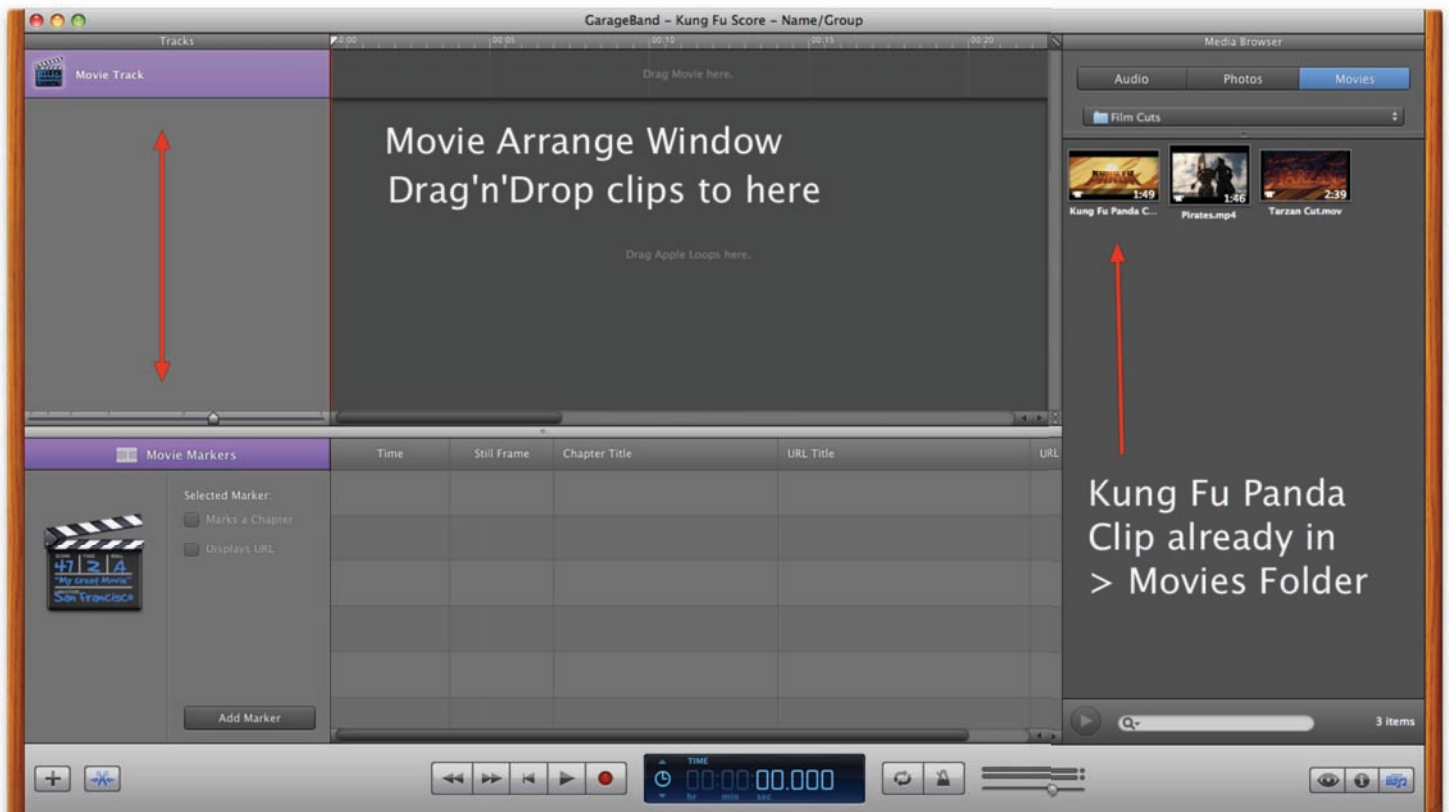• Creating
• Exporting

> Project Steps

1. Opening a Film Score Project
2. Saving Project to New Folder
3. Downloading & Importing a Video Track
4. Adding Hit Points for SFX (Foley Stage)
5. Find, Add & Edit Sounds for SFX
6. Adding Background Music via Loops
7. Editing Loops and Regions
8. Adding MIDI, Audio or Voice-Overs
9. Exporting & Presenting
10. Sources & Further Reading

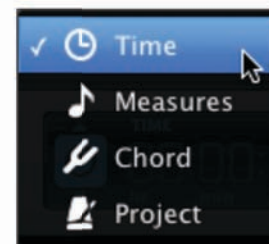# Garageband '11 - An Overview

> Opening

GarageBand

New Project

Learn to Play

Lesson Store

Magic GarageBand

iPhone Ringtone

Recent Projects

Piano   Electric Guitar   Voice   Loops   Keyboard Collection

Acoustic Instrument   Songwriting   Podcast   Movie

Quit   Open an Existing File...   ← For Later   Choose

GarageBand – Kung Fu Score – Name/Group

Tracks

Movie Track

**Movie Arrange Window
Drag'n'Drop clips to here**

Drag Movie here.

Drag Apple Loops here.

Media Browser

Audio   Photos   Movies

Film Cuts

1:49   1:46   2:39
Kung Fu Panda C...   Pirates.mp4   Tarzan Cut.mov

**Kung Fu Panda
Clip already in
> Movies Folder**

Movie Markers

Selected Marker:
Marks a Chapter
Displays URL

Time   Still Frame   Chapter Title   URL Title   URL

Add Marker

TIME
00:00:00.000
hr   min   sec

3 items

Garageband '11 - An Overview

> Exploring

Play & Record Controls

Loop & Metronome Buttons

TIME
00:00:00.000
hr   min   sec

LCD Menu controls project properties

✓ 🕐 Time
♪ Measures
🔧 Chord
🎹 Project

Add New Track

Track Editor

Movie Markers

Selected Marker:
☐ Marks a Chapter
☐ Displays URL

Source your SFX if online

add Hit Points

Add Marker
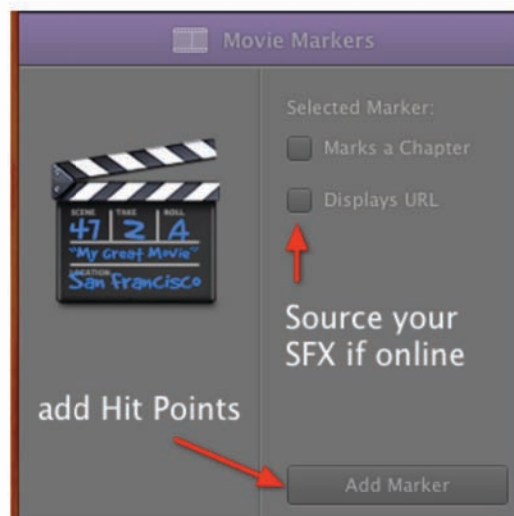
Loop Browser

Track Info

Media Browser

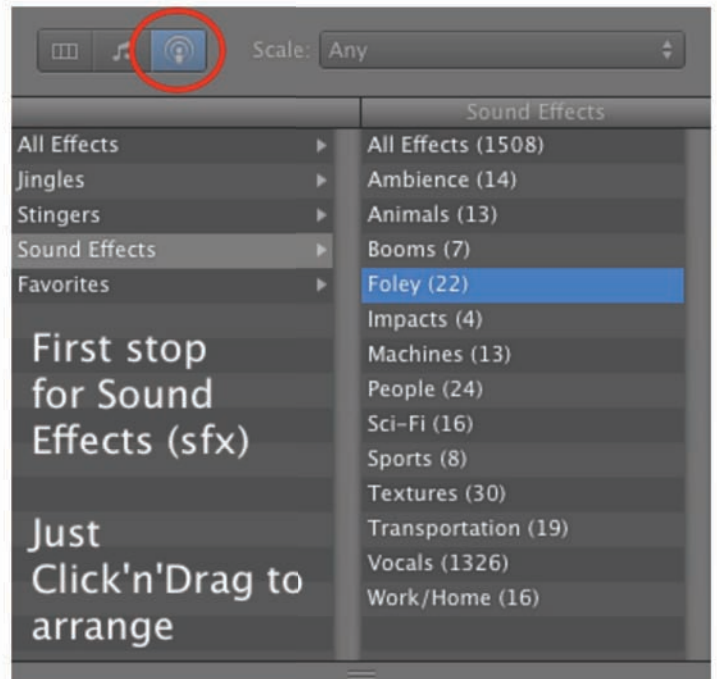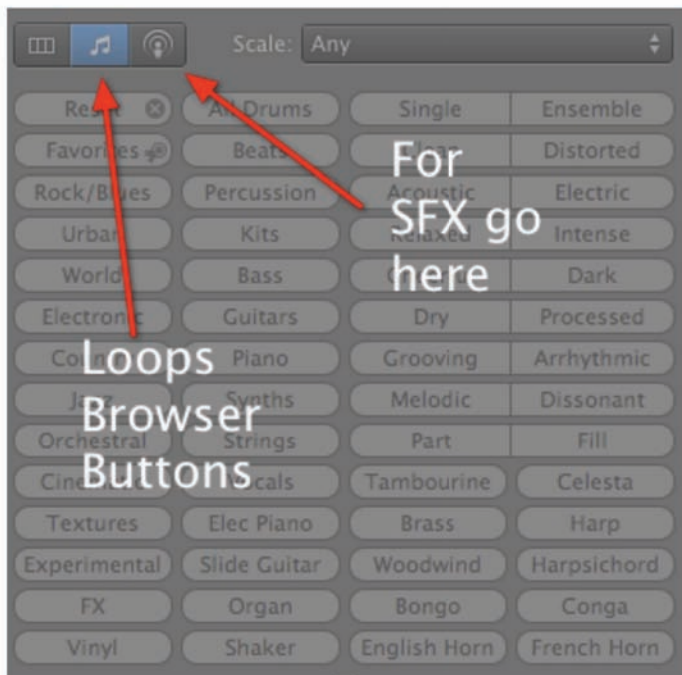## Pop Out Score Window

Tracks

00:00   00:05

Movie Track
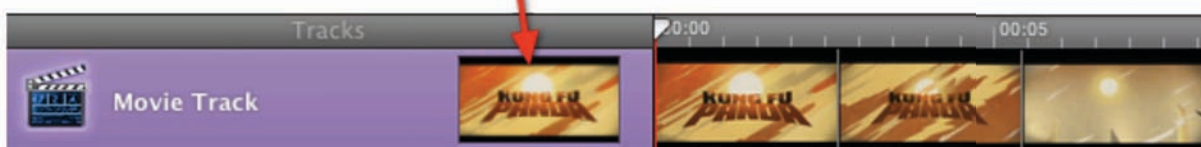
Once clip has been dragged into the arrange window it can be viewed in a timeline with a pop out window
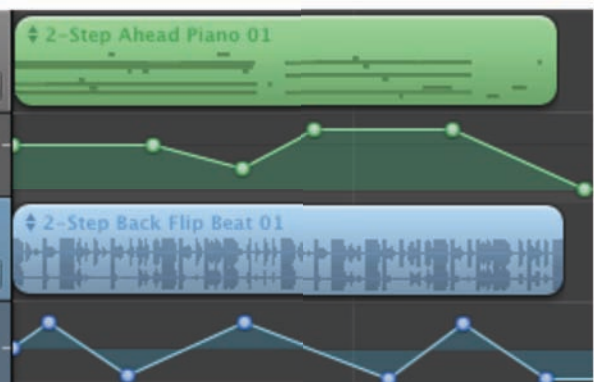
Garageband '11 - An Overview

> Creating

Musical Buttons   Podcast Sounds

For SFX go here

Loops Browser Buttons

All Effects		Sound Effects
All Effects	▶	All Effects (1508)
Jingles	▶	Ambience (14)
Stingers	▶	Animals (13)
Sound Effects	▶	Booms (7)
Favorites	▶	Foley (22)
		Impacts (4)
First stop for Sound Effects (sfx)		Machines (13)
		People (24)
		Sci-Fi (16)
		Sports (8)
		Textures (30)
Just Click'n'Drag to arrange		Transportation (19)
		Vocals (1326)
		Work/Home (16)

Scale: Any

MIDI Tracks are Green

MIDI with volume changes

Elec Piano

2-Step Ahead Piano 01

Track Volume   0.0 dB

Beats

2-Step Back Flip Beat 01

Track Pan   +0

Audio Tracks are Blue

Audio with Panning changes

Garageband '11 - An Overview

> Exporting

Share

Send Movie to iTunes...
Send Ringtone to iTunes
Send Movie to iWeb...
Send Movie to iDVD

Export Movie to Disk...

Burn Song to CD

Export your movie to disk.

Video Settings: | Full Quality |

Use original video resolution. Nothing changes.
Details: 25 frames per second, size: 720 x 404,
audio: AAC, 192kbps, Stereo. Estimated size:
20.1MB.

Cancel   **Export**

Save As: Kung Fu Score – Name/Group

Group/Class/Score Folder

DEVICES
Samuel's Macbook Pro
Macintosh HD

SHARED
iMac

Kung Fu ...me/Group

Final 'save as'
& submission
to teacher

☑ Archive Project
Saves Real Instrument Apple Loops or a movie into the project so you
can move it to another Mac and continue working.

☐ Compact Project | Small – 128kbps AAC |
Reduces the size of the project on disk, making it easier to share. Also
reduces audio quality.

☑ Hide extension   New Folder   Cancel   **Save**

Project Steps

Each Step will be demonstrated from the IWB by your teacher but these can help you with staying on task.

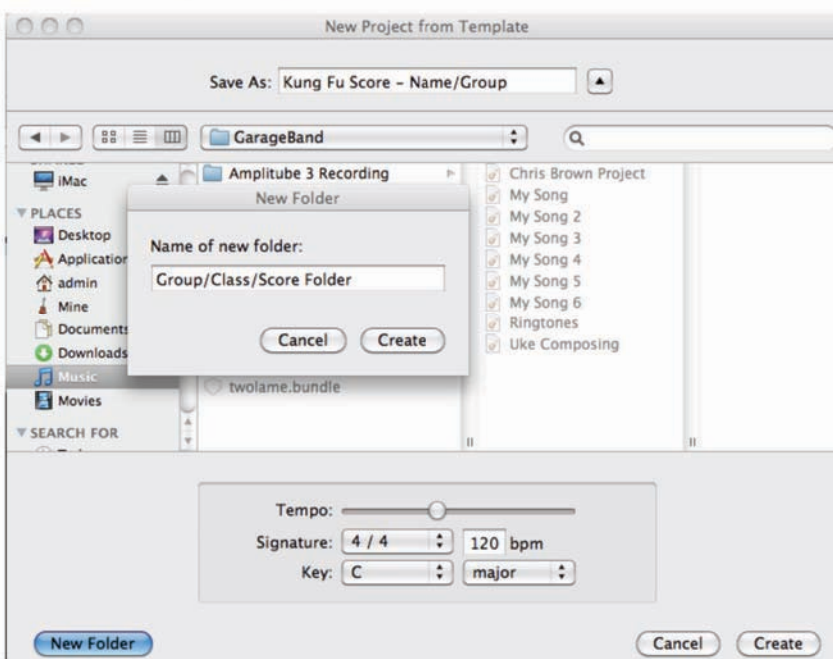Please refer to this video for visual & audio instructions:
http://www.youtube.com/watch?v=yfM238xR2sE

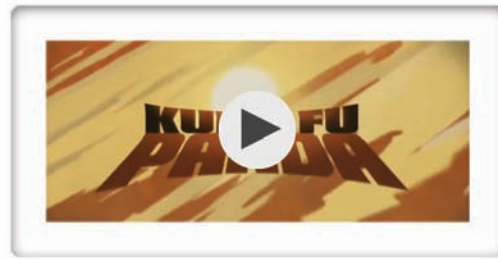## > Opening a Film Score Project

- Open GarageBand from the Dock
- Create a >New Project >Movie
- Once the project has loaded go to >File >Save As

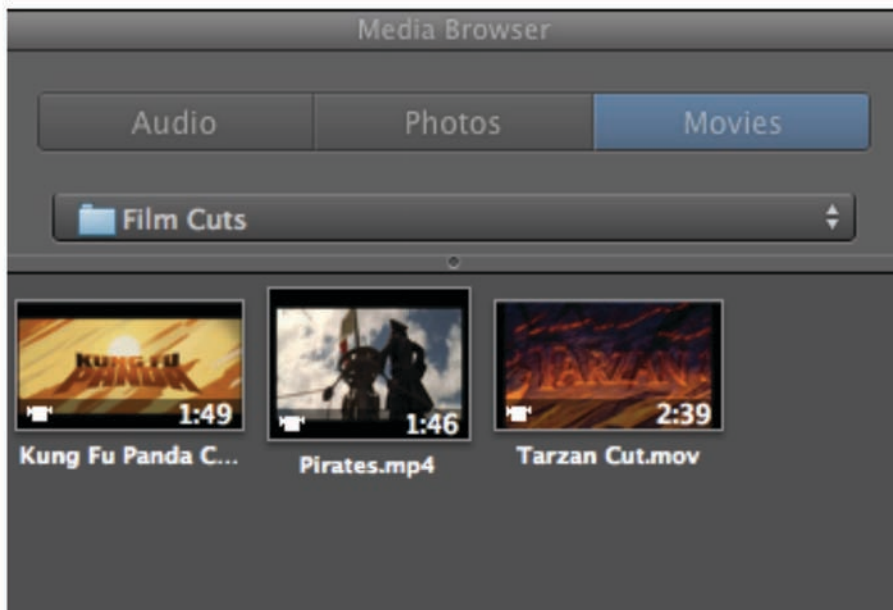## > Saving Project to a New Folder

- If you are by yourself or in a group save the file as >Kung Fu Score_Name/Group so it can be handed in and marked later
- Save the project in a new folder of the same name (this is where you will put the movie clip)
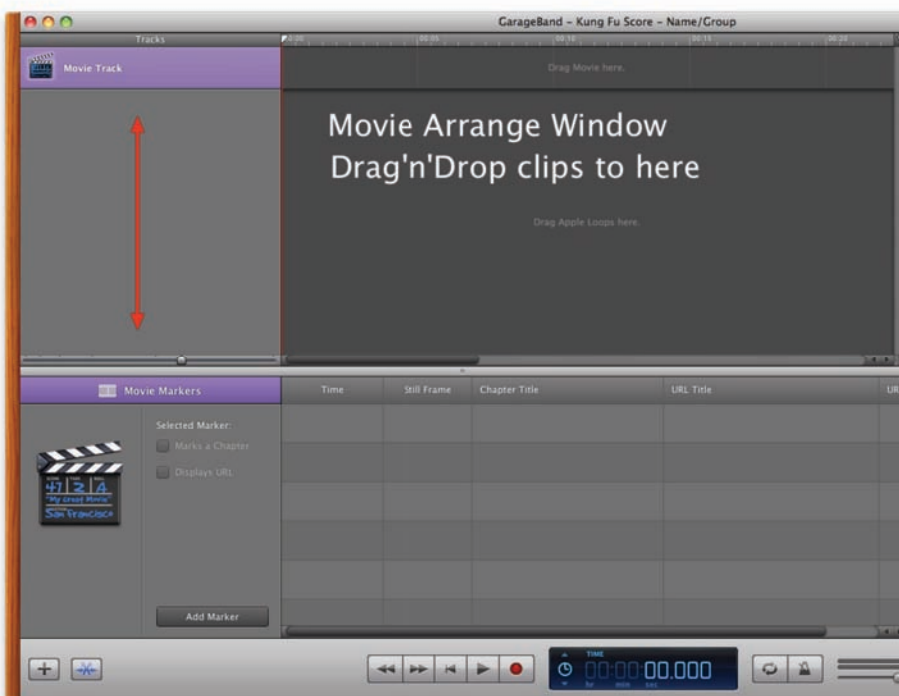
> Downloading & Importing a Video Track

- If your movie clip is on a school server or online, download it and move it to your groups project folder (as above)
- If the movie clip is already in your >Home >Movies Folder you will see it in the *Media Browser* of GarageBand (Left)

- Drag the movie clip to the Movie Arrange Window either from:

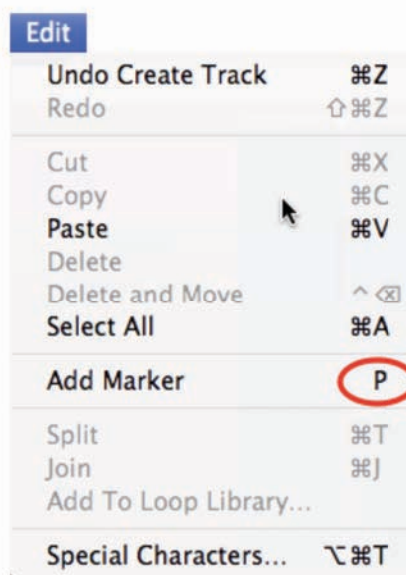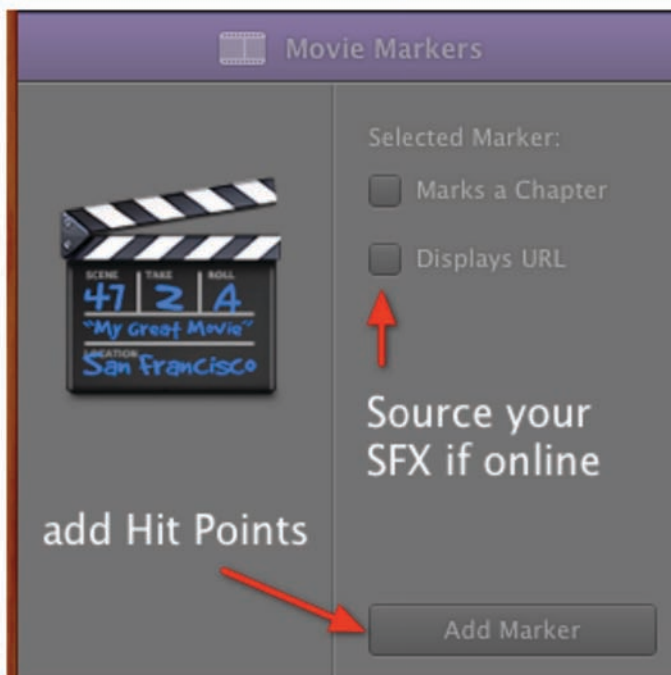> Media Browser Pane
> Group Project Folder

- GarageBand will automatically map the scene changes to a timeline and adds a detachable video window. Press *Play* and see!

Project Steps

Please refer to this video for Foley Stage Effects:
http://vimeo.com/11436985

> Adding Hit Points for SFX

Movie Markers

Selected Marker:

☐ Marks a Chapter

☐ Displays URL

Source your
SFX if online

add Hit Points

Add Marker

Edit	
Undo Create Track	⌘Z
Redo	⇧⌘Z
Cut	⌘X
Copy	⌘C
Paste	⌘V
Delete	
Delete and Move	^⌫
Select All	⌘A
Add Marker	P
Split	⌘T
Join	⌘J
Add To Loop Library...	
Special Characters...	⌥⌘T

Don't forget the simple creation tools of cutting and pasting + hit 'p' for hit points

Once you clip has been loaded and you have SAVED your project complete the following steps:

1. Watch the clip taking note of key moments that will require a Foley Stage Sound Effect (SFX)
2. On the second time you watch the clip hit >P every time you see that important SFX moment (e.g. coin dropping)
3. Hit Points will help you gather sounds for a particular moment in the clip
4. You are to then search through GarageBand's sound effects and using your knowledge of sound editing make them fit into each hit point
5. If you want more sounds visit your >Applications folder where you should find installed *Sound Librarian*. >Open this and >Search for the sounds you want
6. Once you have downloaded the sounds drag them into your group folder before importing them to the Movie Arrange Window

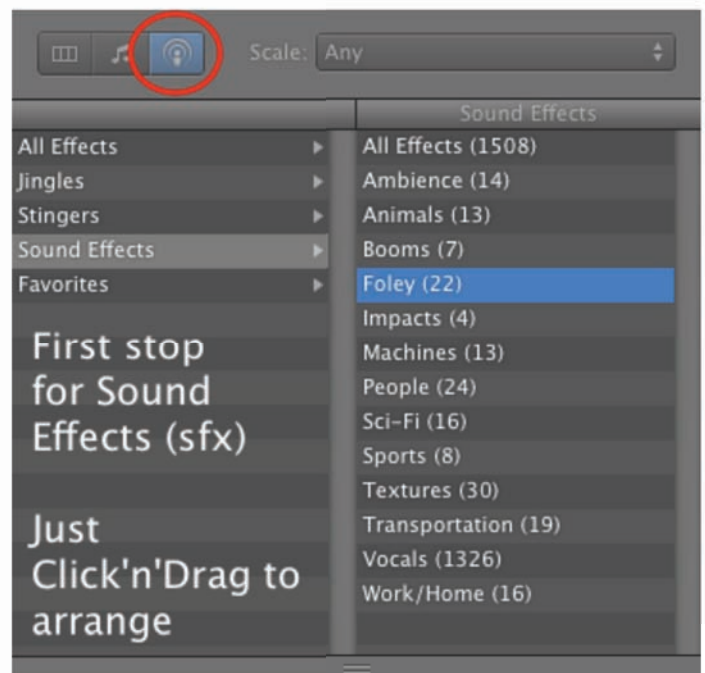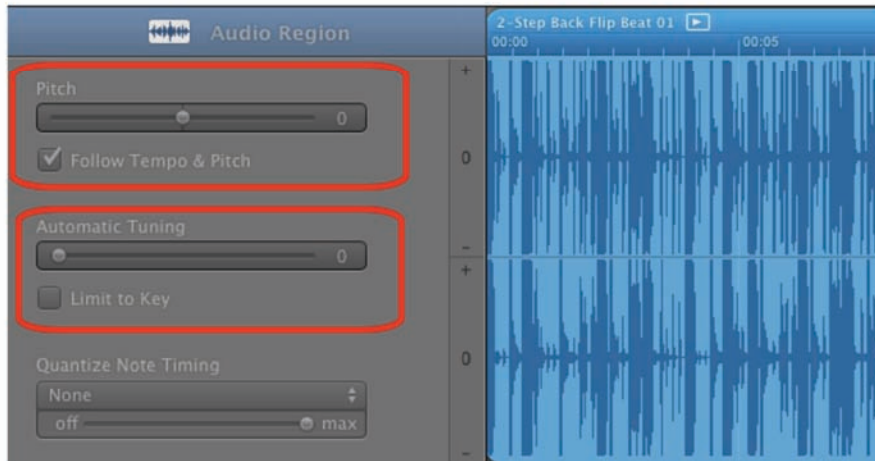* Sound Librarian URL is where you can install the software for your OS

> Find, Add & Edit Sounds for SFX

For SFX go here

Loops Browser Buttons


Musical Buttons   **Podcast Sounds**
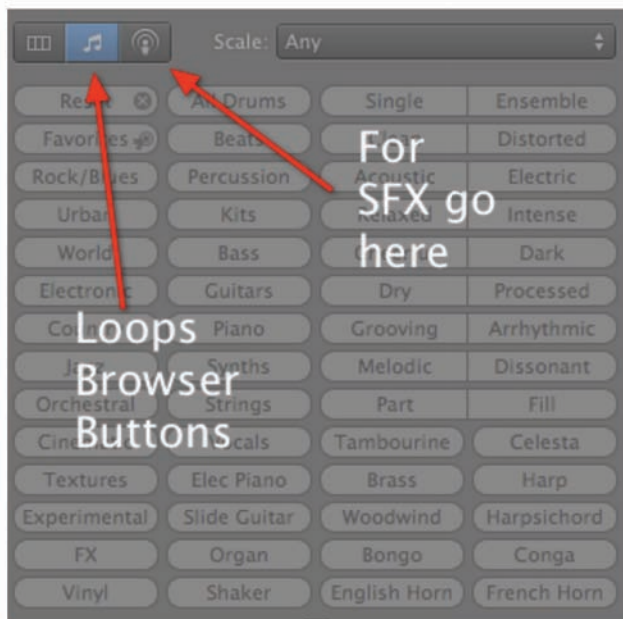
- Located at the top right hand side of GarageBand when you hit > Loop Browser Button (bottom 'eye')
- Depending on the Jam Packs installed you may have more or less samples

- There are many many sound effects in GarageBand, just drag'n'drop them onto the Movie Arrange Window to add them near your Hit Points
- Some will require editing so use the Track Editor Button to do this (below)
- If you drag sound effects from Sound Librarian use the Track Editor to edit them too

Add New Track   **Track Editor**

All Effects	▶	All Effects (1508)
Jingles	▶	Ambience (14)
Stingers	▶	Animals (13)
Sound Effects	▶	Booms (7)
Favorites	▶	Foley (22)
		Impacts (4)
First stop for Sound Effects (sfx)		Machines (13)
		People (24)
		Sci-Fi (16)
		Sports (8)
		Textures (30)
Just Click'n'Drag to arrange		Transportation (19)
		Vocals (1326)
		Work/Home (16)

MIDI Tracks are Green

MIDI with volume changes

Audio Tracks are Blue

Audio with Panning changes

Add New Track

Track Editor

- You can edit any track in GarageBand, using the Track Edit Button and by remembering what Blue or Green represents (also Orange/Purple for later).
- As seen above you can edit the actual notes of MIDI files if they are green OR you can cut and paste the Blue Audio Wave files
- In the Left Hand track views you can also graphically alter the tracks Volume or Panning
- Using your past experience in the Blues Compositions make the loops fit the action using the timeline
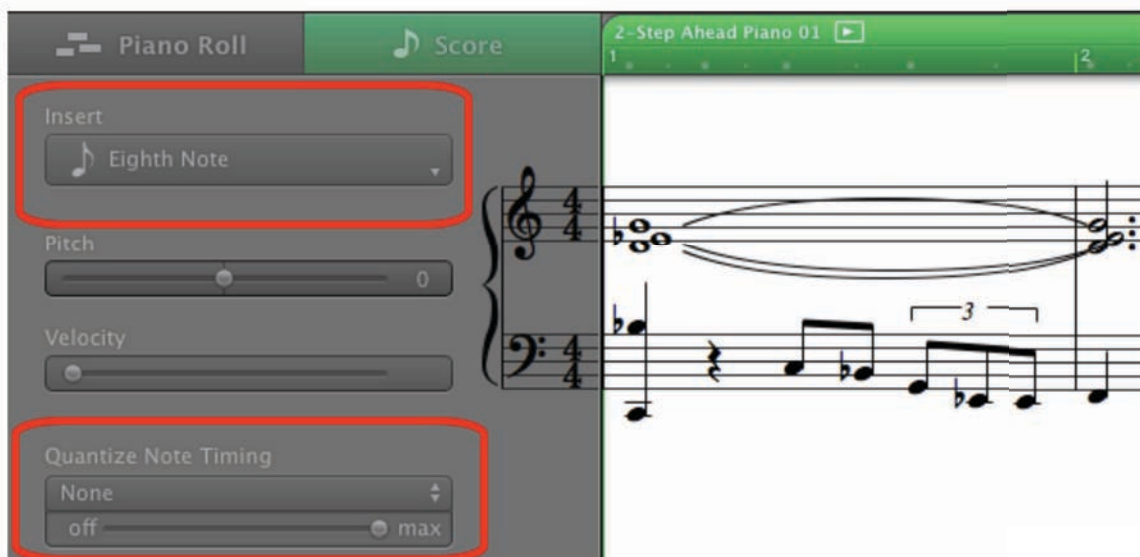
Ideas & Ways to Compose

> Adding Background Music Via Loops

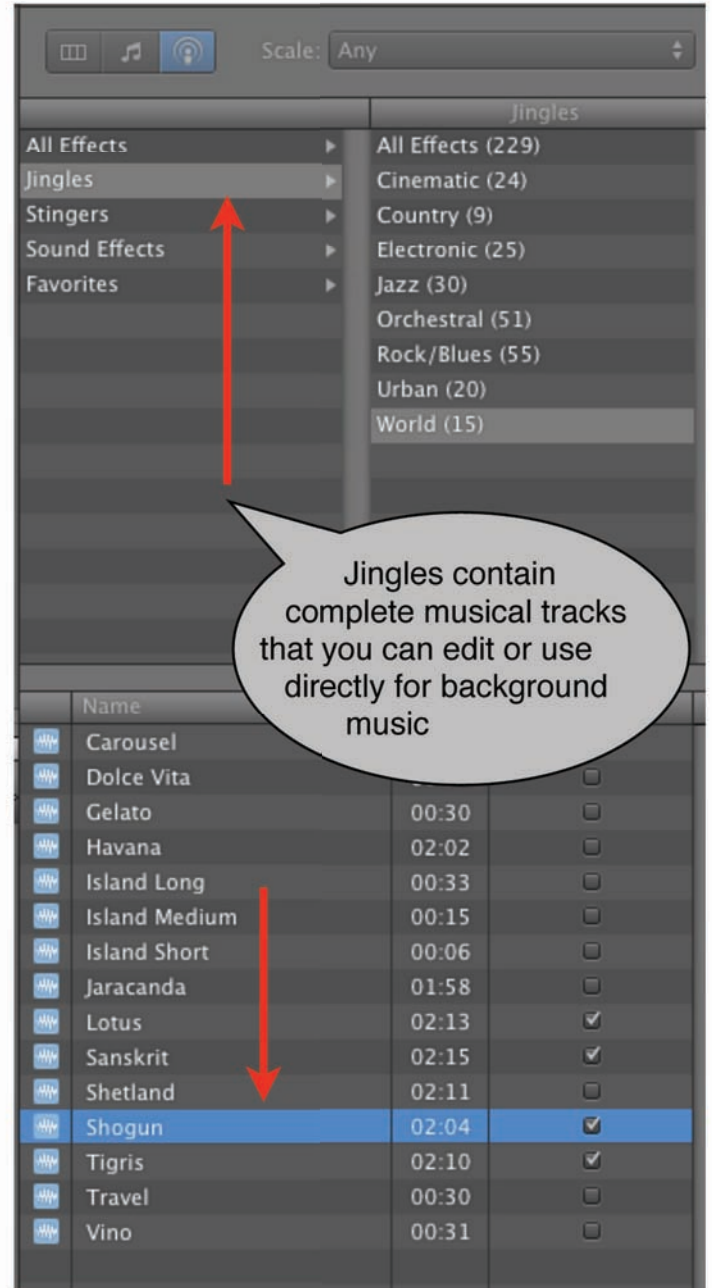> Editing Loops & Regions
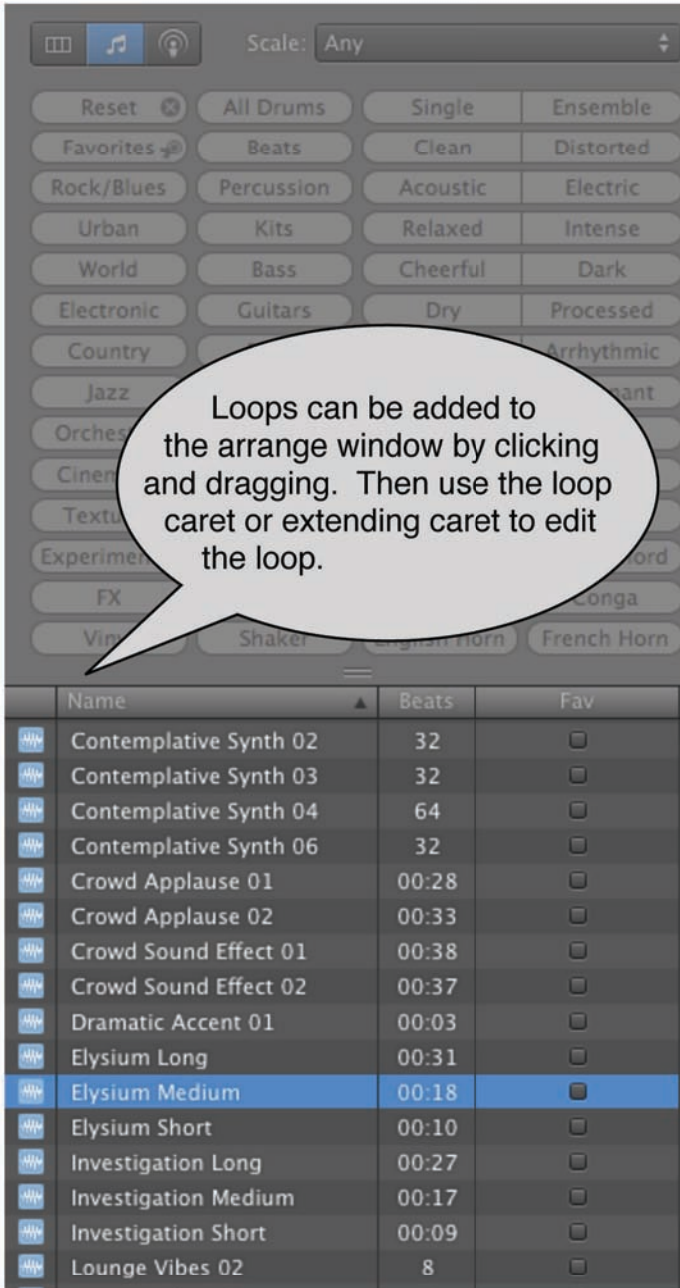
> Adding MIDI, Audio & Voice-Overs

Chapters Six, Seven & Eight are rolled under the heading of *Ideas & Ways to Compose*

• Once you have added in and edited all the sound effects you nominated via hit points start
  to decide what musical effect you would like to create with your score.
a) Oriental?
b) Indian?
c) Dance Vibe?
d) Rock
e) Orchestral

Use the loops button to search for suitable loops

- Adding Loops are up to your personal preference but remember they need to *fit* the action and the sound effects need to be heard *clearly* (use the graphic volume editor)
- Try to stick to a single style and not change loops quickly. You are trying to create a background *atmosphere*
- Some Loops contain sound effects that can be copied and pasted for action scenes

Loops can be added to the arrange window by clicking and dragging. Then use the loop caret or extending caret to edit the loop.

Jingles contain complete musical tracks that you can edit or use directly for background music

- As you start to edit the loops length, panning, volume and tuning, try using the *Groove Track* feature if you have a *Drum Track* or *Jingle* going through the film clip. This locks all tracks in-time to it!


Click to set this track as the groove track.

Editing Options include:

a) Piano Roll Editor for MIDI (green loops)
b) Flex Time editing for AUDIO (blue loops)
c) As well as adding effects in the Track Info
   Window >Edit

Below are two of the same sections taken from an audio loop.
The left hand involves pulling the audio wave to the end of the bar, the right hand involves pulling it back to the start of the bar. This can now be accomplished in GarageBand 2011.
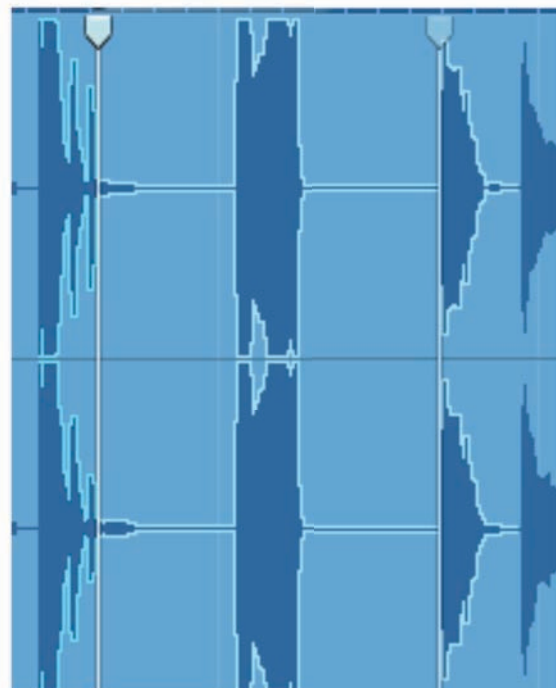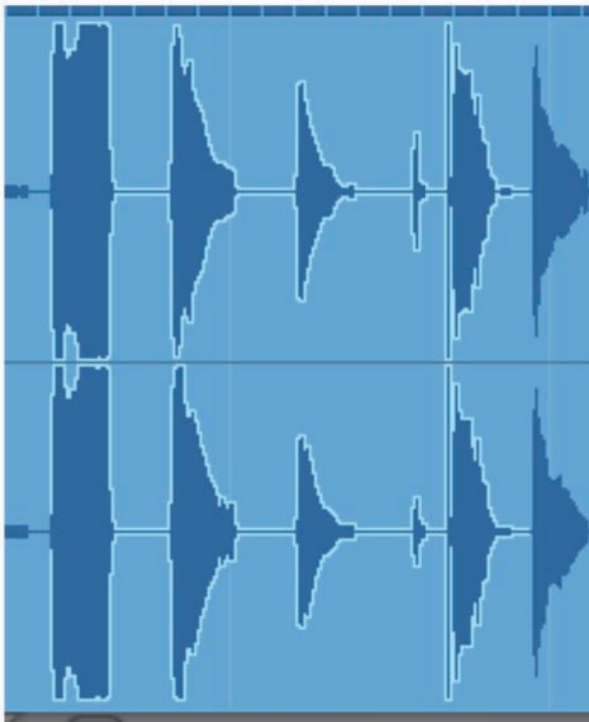
> **Adding MIDI & AUDIO Files**

a) You could add a MIDI file that you find on the internet of some Chinese Folk Music for example, drag it into your movie arrange window and it will turn into a Green MIDI Loop for editing

Get some traditional Chinese MIDI files here:

http://faculty.pittstate.edu/~yliu/music/Mchinese.html

b) You could buy from iTunes *Kung Fu Fighting*, import the track into GarageBand for editing and it would turn into an Orange Audio track to add to your Score (notice mine are purple, its a secret)

The MIDI File contained three tracks so GarageBand added them all

SFX Tracks from Sound Librarian

MP3 Track from iTunes
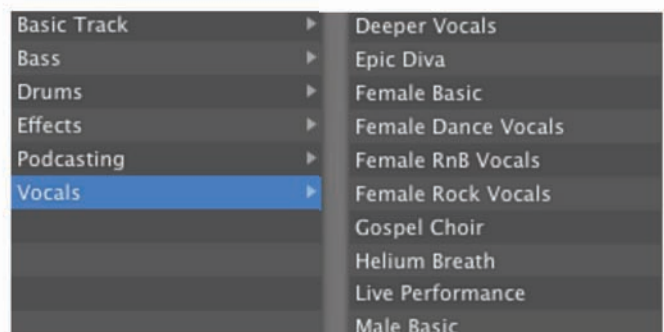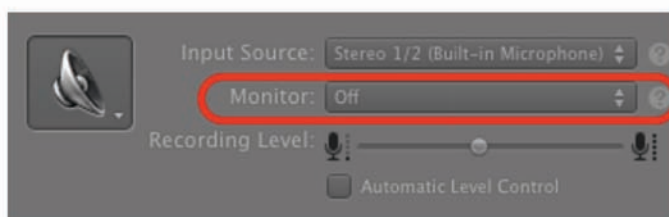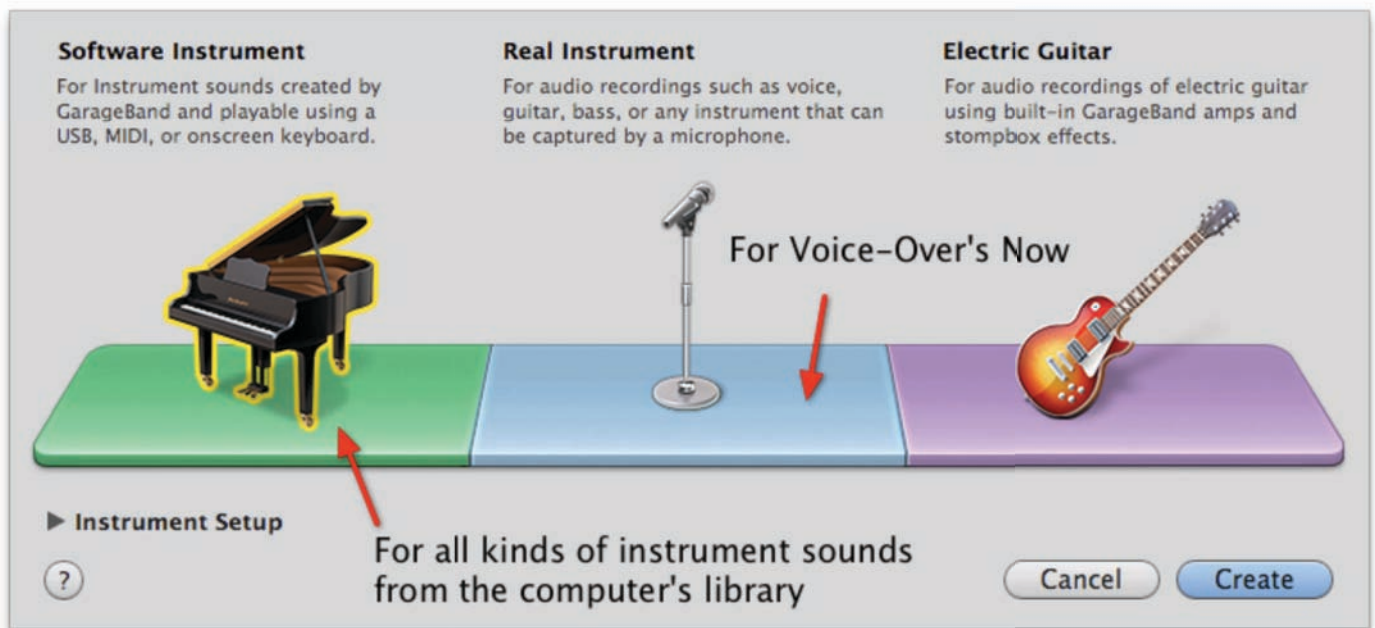
Control - Option - G, Secret
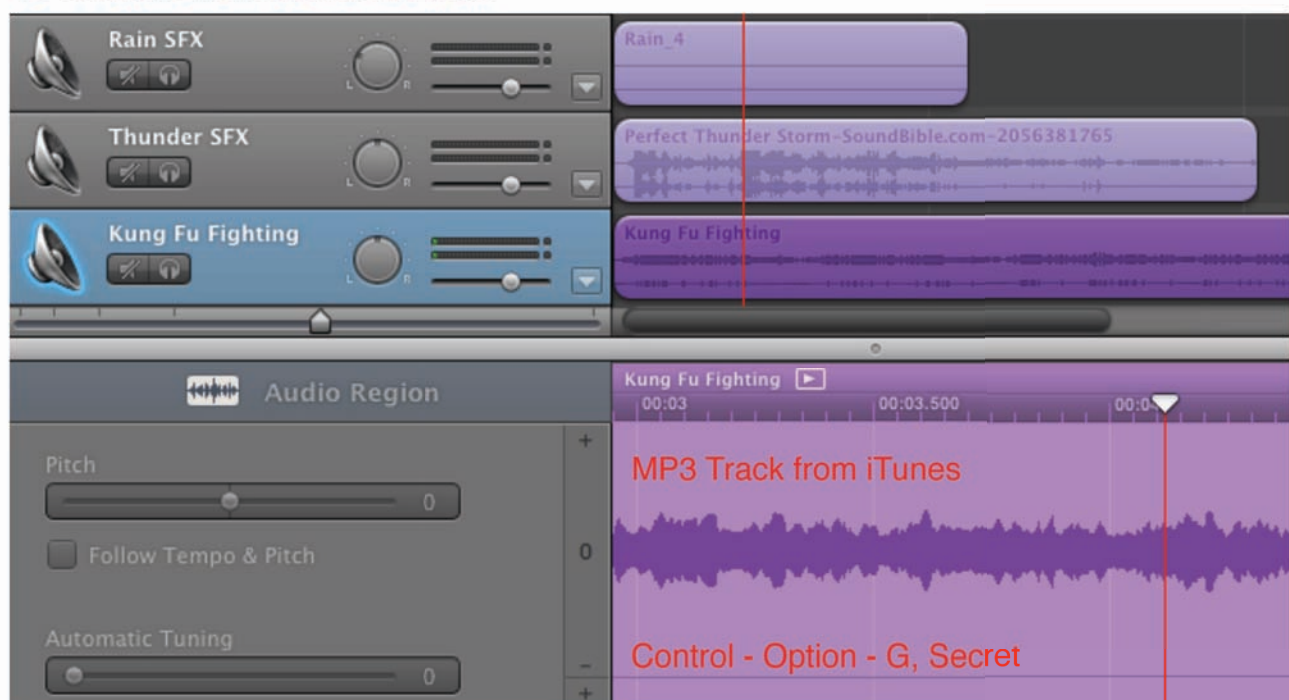
> Adding Voice-Overs

Once you have added your SFX, made some background music and edited your own tracks here comes the most fun!

Watch on YouTube the original opening for *Kung Fu Panda* and take note of the spoken dialogue, "There is no price for awesomeness."

Either re-create the dialogue or add your own using the following easy steps.

1. Create a *Real Instrument Track* from >Track >New Track
2. Make sure you use headphones to listen to your composition
3. Turn *Off* monitoring to prevent feedback and sound leaking from your computer to the recording of the voice
4. Try to find a quite time in the room or at recess because now you hit the big red record button and speak in the new dialogue (it will show up in the arrange window as an audio wave)
5. Finally, once it is recorded try to add some vocal effects using the Track Info button >Vocals>Deeper Vocals etc.

Software Instrument
For Instrument sounds created by GarageBand and playable using a USB, MIDI, or onscreen keyboard.

Real Instrument
For audio recordings such as voice, guitar, bass, or any instrument that can be captured by a microphone.

Electric Guitar
For audio recordings of electric guitar using built-in GarageBand amps and stompbox effects.

For Voice-Over's Now

▶ Instrument Setup

For all kinds of instrument sounds from the computer's library

Cancel   Create

Input Source: Stereo 1/2 (Built-in Microphone)
Monitor: Off
Recording Level:
☐ Automatic Level Control

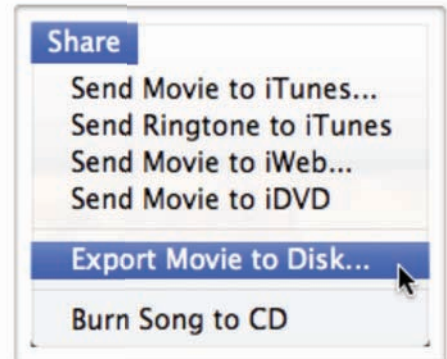| Basic Track | Deeper Vocals |
Bass	Epic Diva
Drums	Female Basic
Effects	Female Dance Vocals
Podcasting	Female RnB Vocals
Vocals	Female Rock Vocals
	Gospel Choir
	Helium Breath
	Live Performance
	Male Basic

Exporting & Presenting

At last you have a working film score with SFX, background music, audio and maybe even a clever voice-over. What next?

1. Go through and adjust all the levels of the sounds (volume, panning etc) so that each sound and effect blends nicely to the next
2. When all is awesome! Go to Share > Export Movie to Disk...

Share
Send Movie to iTunes...
Send Ringtone to iTunes
Send Movie to iWeb...
Send Movie to iDVD
Export Movie to Disk...
Burn Song to CD

Export your movie to disk.
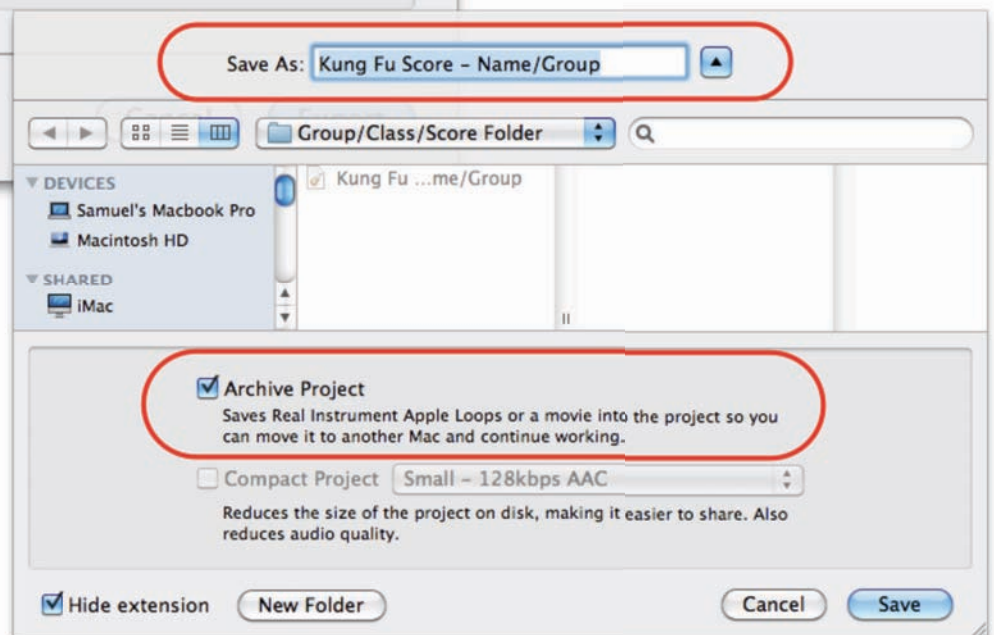
Video Settings: **Full Quality**

Use original video resolution. Nothing changes. Details: 25 frames per second, size: 720 x 404, audio: AAC, 192kbps, Stereo. Estimated size: 20.1MB.

3. Choose Full Quality for Video Settings
4. Save to your Project Folder

Submit your Legendary Score!

Save As: Kung Fu Score – Name/Group

Group/Class/Score Folder

▼ DEVICES
Samuel's Macbook Pro
Macintosh HD

▼ SHARED
iMac

Kung Fu ...me/Group

☑ Archive Project
Saves Real Instrument Apple Loops or a movie into the project so you can move it to another Mac and continue working.

☐ Compact Project Small – 128kbps AAC
Reduces the size of the project on disk, making it easier to share. Also reduces audio quality.

☑ Hide extension New Folder Cancel Save

Group/Class/Score Folder

> Sources

Images Used in Publication from own library, screenshots or free icons collection. Kung Fu Panda images sourced below:

http://akminerva.files.wordpress.com/2010/03/2008_kung_fu_panda_002.jpg

http://www.canmag.com/images/front/movies2008/kungfupandap3.jpg

http://www.entertainmentwallpaper.com/images/desktops/movie/kung_fu_panda27.jpg

http://3.bp.blogspot.com/_HmKIVc7rvPw/SL6Fo1rz1dI/AAAAAAAAAEc/xSRROVDiaaY/S1600-R/Kung-Fu-Panda-Wii-01.jpg

> Further Reading

Garageband Online Sources

http://garageband.maccreate.com/category/tutorials/

http://www.officecafe.com/blog/2009/01/using-garageband-to-transpose-a-song-imported-from-itunes/

http://www.synthtopia.com/Articles/GaragebandTips.html

http://www.thegaragedoor.com/index.html

https://stucomp.stanford.edu/garageband_music_tutorial

http://mac.appstorm.net/how-to/music/getting-started-with-garageband-09/

http://en.wikiversity.org/wiki/LessonPage:Film_scoring_for_musicians:Spotting_Session

> Want to make Examinations with GarageBand?

http://wrightstuffmusic.com/2009/06/19/exam-time-in-garageband/