

Scoring for Film and Creating Music for Video in the Music Classroom

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Who is Romeo Music?

- 85+ years combined experience in music education and technology integration
- Full-line music technology dealer
- Turn-key provider of Music Technology, Guitar and Piano Labs, Recording Studios and Sound Systems

Who am I?

- BA Commerical Keyboard Performance
- Music Technology Emphasis – Belmont University, Nashville, TN
- 11 years at SoundTree, ed. div of Korg USA
- Designed more than 250 music technology, guitar and piano labs across the Southeast
- Performer, Arranger, Producer, Church Band Leader
- Husband, Doting Father to 2 little girls

Music Technology labs



Piano/Keyboard labs



Guitar/Technology labs



Workshop Overview

- Why Scoring for Film?
 - More creative than just “teaching music theory”
 - Students can put their own mark on their education by creating both the video and the audio
 - Reinforce musical concepts in a new and exciting way
 - Chances are some are already doing it. Why not provide REAL musical direction?

Sound Systems



Workshop Overview

- What do you need?
- Creating your own!
- Curricular Integration Strategies
- Resources

Recording Studios



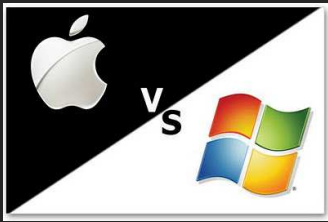


What Do You Need?

- Computer:
 - MAC or PC??
 - Question is actually:
Mac vs. **Custom PC**
 - Comparable in price and specs
 - Performance equality
- “Off-the-shelf” computers are loaded with “bloat-ware” and the components **may** be subpar

What Do You Need?

- Computer:
 - MAC or PC??



What Do You Need?

- Computer:
 - MAC or PC??
 - Macs are ready to go, out of the box with Garageband, iMovie and iDVD.
 - PC's have Windows Movie Maker and DVD Maker – both easy to use programs. For music, Mixcraft is “Garageband for the PC.” - \$55

What Do You Need?

- Computer:
 - MAC or PC??
- The most uniformed statement in technology:

“You can’t be a ‘digital artist’ (music, art, video) unless you use a Mac.”
–Numerous Individuals

What Do You Need?

- Computer:
 - MAC or PC??



What Do You Need?

- Computer:
 - MAC or PC??
 - PC's are cheaper and can be purchased almost anywhere, even Wal-Mart.
 - Can you make music with a Wal-Mart purchased PC??

What Do You Need?

- DAW – Digital Audio Workstation
 - Garageband, Mixcraft, Sonar, Logic, Digital Performer, ProTools
- **Any program that allows you to record MIDI and/or audio and synchronize it with video

What Do You Need?

- Computer:
 - MAC or PC??



What you get when you buy a PC.



What you get when you buy a Mac.



What you have to pay to replace when one part of a PC breaks.



What you have to pay to replace when one part of a Mac breaks.

What Do You Need?

- DAW – Digital Audio Workstation
 - Least expensive option for PC:
 - Mixcraft by Acoustica
- “Garageband for the PC”
- *Create audio, view notation, sync with video
- *Over 3500 included sounds

What Do You Need?

- Computer:
 - MAC or PC??
 - PC's easier to upgrade and provide maintenance on.
 - Support can usually be handled anywhere, and a lot of the time by one of your students!!

What Do You Need?

- DAW – Digital Audio Workstation
 - Pro Tools SE Software
 - Starts at \$149.99 with Interface



What Do You Need?

- Video Editing Program
 - Windows Live Movie Maker
 - Free with Windows 7 Live Bundle



What Do You Need?

- Video Editing Program
 - Windows Live Movie Maker
 - Create GREAT videos
 - Add Photos to create custom, interesting slideshows
 - Then add music!

What Do You Need?

- Pinnacle Studio HD Ultimate 15
 - \$75 for 1, \$49 for 5+
 - High-level editing, on par with Final Cut Express



Via Dolorosa

- Created with:
 - Windows Movie Maker, Windows XP
 - Music created in Cakewalk Sonar
 - All instruments software-based except Flute by my wife, Roxanne
 - Set change from photo to photo to sync with musical phrasing

Pro Tools/Pinnacle Studio

What Do You Need?

- Other video creation options
 - AVID Media Composer; Industry leader. Mac/PC
 - Final Cut Pro. Mac only
 - Sony Vegas Pro. PC only

What Do You Need?

- Additionally Useful Tools
 - Handheld Recorder
 - Roland R-05
- WAV/MP3 Recorder
 - Built-in Mics
 - Record MP3/WAV at the same time
 - Adjust Tempo
 - "Rehearse"
 - Merge/Split/Copy
 - Attach any tripod
 - Accessory Kit available
 - \$199



What Do You Need?

- Additionally Useful Tools
 - USB Microphone
 - Handheld recorder
 - MIDI Keyboard
 - Video Camera

What Do You Need?

- Additionally Useful Tools
 - Handheld Recorder
 - Yamaha C24
- WAV/MP3 Recorder
 - Built-in USB stick connection
 - 2GB Internal Storage
 - Additional storage on microSD Card
 - Monitor Speaker
 - Store Data Files
 - Metronome/Tuner
 - Music Stand Clip
 - \$140



What Do You Need?

- Additionally Useful Tools
 - USB Microphone
 - Audio Technica AT2020 USB



*Side-address studio condenser with USB digital output (Windows and Mac compatible)
 *Crystal-clear, natural sound for podcasting, home studio recording, field recording, and voiceover use
 *\$149

What Do You Need?

- Additionally Useful Tools
 - MIDI Keyboard
 - M-Audio Keystation Mini32

- 32 MINI keys
- Octave Up/Down
- Modulation Wheel
- Volume/Control knob
- USB Powered/Works with iPad
- \$59.99

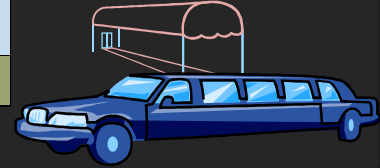


What Do You Need?

- Additionally Useful Tools
 - MIDI Keyboard
 - Alesis Q49
- 49 full-size keys
- Octave buttons
- Pitch/Mod Wheel
- \$99



STRETCH TIME!



What Do You Need?

- Additionally Useful Tools
 - Video Camera
 - Zoom Q3HD
- WAV/MP3 Recorder
- Built-in Stereo Condenser Mics
- Records HD Video
- 4x Digital Zoom
- USB with built-in cable
- Accepts 32GB Card
- Includes 2 - AA Batteries and 2GB SD Card
- \$299



Creating Your Own

- Import Video
- Place Markers at hit points
- COMPOSE!

What Do You Need?

- Additionally Useful Tools
 - YOUR or YOUR STUDENTS CELL PHONES! (Welcome to 2012)



Creating Your Own

- Import Video
 - WHERE TO GET MATERIAL:
 - www.Archive.org
 - You go...don't send students as site is "open" to anyone to upload "anything"

Creating Your Own

- Import Video
 - WHERE TO GET MATERIAL:
 - www.animoto.com
 - Takes photos and makes clever movies/slideshows – no control over what happens!

Adding Hit Points

Creating Your Own

- Import Video
 - WHERE TO GET MATERIAL:
 - CREATE YOUR OWN!
 - Q3HD or cell phone
 - Videos or still photos

Creating Your Own

Importing your movie

- You can import any WMV or Windows Movie file in from the File/Import Menu
- Open Explorer window and drag
- Mixcraft creates thumbnail images that you can view on the timeline to locate your spot in the movie. Use zoom-in/zoom-out to see more/less of movie in the timeline.
- Also, any accompanying audio that is included in the movie file comes into Mixcraft as a separate audio track.

Creating Your Own

- Placing Markers at Hit Points
 - Adds excitement and interest to the piece
 - Done by working with completed video and syncing up to it.

Creating Your Own

Functions to use when film scoring:

- Turn OFF the Snap to Grid function to get finer adjustments to timing.
- Make use of the Cycle Loop when working on background sound for individual “events”.
- Change the tempo of your music without affecting the playback speed of the movie.
- Add tempo changes to your soundtrack.
- Make alterations to the automated volume and panning for your SFX tracks.

Creating Your Own

Functions to use when film scoring:

- Markers provide an excellent way to mark key frames of your movie.
- Mixcraft/GarageBand include a number of fantastic loops (music and effects) that you can easily add to your project.
- Make use of the **Loop Preview** button to preview sounds before adding them to your project.
- Remember to mix your soundtrack with your background sound.

Curricular Integration Strategies

- Students compose soundtrack for a public domain video or student-recorded video.
- Students compose themes for characters from public domain videos. (think Peter and the Wolf)
- Take video game sample and have students compose a looping soundtrack for a "level."
- Students become foley artists by performing sound effects to the film.
- Student "find sound" using handheld recording devices and add to public domain video.

Creating Your Own

Deviation

by Power Forward Films (www.powerforwardfilms.com)
Written/Directed by Frank T. Ziede

- Received storyboards
- Director gave music examples (Batman Begins, 24) Always good to ask, anyway.
- Set MULTIPLE markers for hit points
- Received regular updates to video to drop in to project
- Send files back and forth – easy to do via EXPORT
- Was asked AFTER the fact to do SFX

Curricular Integration Strategies

- Soundtracks for English, Drama and Art projects
- Student Composition Podcasts
- Program Information Videos
- Biography on a Teacher (Think "Biography" on A/E)

Curricular Integration Strategies

Application in the classroom

Students compose soundtrack for a public domain video or student-recorded video.

- Download silent movie OR movie with sound "stripped" out of the file. <http://www.archive.org> offers a wealth of public domain videos.
- Play video for class via projector or have students watch on their computers.
- Open discussion on what types of instrumentation, tempos, dynamic, busy/less busy music works with the video.
- Can lead to the study of use of music on film by analyzing other movie clips.
- Students work to compose their own soundtrack to the film.

Curricular Integration Strategies

Application in the classroom

Students compose themes for characters from public domain videos. (think Peter and the Wolf)

- Similar to complete soundtrack assignment, but smaller, focused project.
- Cartoons with a couple of characters work well with this type of project.
- Discussion about which sounds, tempo, high/low, melodies match each character.

Curricular Integration Strategies

Application in the classroom

Students perform sound to the film (Foley artist) and/or "find sound" using handheld recording devices.

- Teach students about Foley artists - http://en.wikipedia.org/wiki/Foley_artist
- Discussion about suitable "substitutes" for on-screen actions:
 - coconuts for horse hoofs
 - thrown phone book on floor for punching sound
 - old chair for creaking sound
 - What else?!

Curricular Integration Strategies

Application in the classroom

Take video game sample and have students compose a looping soundtrack for a "level."

- This may be a bit difficult to do if you do not own any video game systems or the means to capture video, but to record/capture a video game sample.
- iRecord Pro - \$249
 - Record ANY video medium to computer, iPhone or iPad
 - This includes off of DVR, VCR, Audio source AND video gaming system



Curricular Integration Strategies

Foley Studio



Curricular Integration Strategies

Application in the classroom

Take video game sample and have students compose a looping soundtrack for a "level."

- This may be a bit difficult to do if you do not own any video game systems or the means to capture video, but to record/capture a video game sample.
- Similar to scoring to a movie, but focused on the video game character and his/her goal of the game.
- Discussion includes matching instrumentation, tempo, busy/not busy topics.
- Can discuss specific video game composers and their style of writing - http://en.wikipedia.org/wiki/List_of_video_game_musicians

Curricular Integration Strategies

Application in the classroom

Students perform sounds (Foley artist) and/or "find sound" using handheld recording devices.

- Students work to "build" Foley set for performance and perform sound to film.
- Alternatively, or in addition to performing with pre-recorded audio sounds, students may go out "into the field" and record real sound with portable recording devices such as the Roland R-05 or Yamaha C24 for use in the film -- cars going by, honking, school hallways between classes, gymnasium sounds.
- On the subject of recording "found sound", an extension is to have students create Musique Concrète project.

Using iPads

Alesis i/o dock

- Pro Audio Recording Dock
- 2 XLR/TRS inputs
- MIDI in/out
- Composite Video Output
- USB Connections
- Use the equipment you already have!
- \$199



Additional Technologies

Roland CM30 "THE CUBE"

- Portable 30 WATT Speaker
- 5 Separate Inputs – Everything You Need
- Built-in Handle
- DURABLE!! Virtually Indestructible
- \$199



Using iPads

iRig MIDI

- Adds MIDI Connection to iPad/iPod
- Use current keyboard to control iDevice
- \$69



Additional Technologies

Samson Airline Wireless Mic System

- Over the ear transmitter — No bodypack!
- Includes a system carrying case
- Includes AC adapter and charging cables
- Lithium Ion rechargeable battery (5 - 6 hour operation)
- USB DC input for charging
- Water resistant
- 3.5mm balanced mic/level output
- Recharging dock
- \$249



Additional Technologies

Transactive Mobile

- iPod Dock
- Rechargeable Battery (12 hour)
- Handle/Wheels
- Mic/line inputs
- Includes Microphone
- 70W with Enhanced Bass
- \$199



Additional Technologies

Neuratron PhotoScore Ultimate 7

- Music Scanning Software
- Converts PDF to MIDI
- Use with Sibelius or Finale
- Transposes and plays back
- SAVE scanned music as MIDI file on USB jump drive to use and manipulate on Roland MT90U!!
- Use a Canon Flatbed Scanner
- \$249.95



Resources

- www.romeomusic.net
- www.apple.com/education/resources
- www.archive.org
- www.animoto.com/

What Now?

- No-Cost Consultations
- Custom System Design
- Professional Development
- Site Visits/Room Diagrams
- 800 Toll-Free Technical Support

Contact Information

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