

Course Outline
MMED 606: Integration of Technology In Music Education
Summer 2018

Pre-Assignment

Complete the following pre-assignment before the start of class:

1. Collect artifacts (pictures, audio, and video) of yourself as a musician and/or your classroom, students, ensembles, and music program to be used for the final Capstone Project. Please bring all artifacts to class with you (or upload them to Google Drive/Dropbox/etc.). The Capstone Project details are included in a separate document.
2. Prior to the start of class you will be responsible for reading Ch. 1-10; we will focus on Ch. 11-18 during our week of class activities. Dr. Watson's book is centered on his Eight Principles for Unlocking Musical Creativity. These 8 principles are the foundation of the work we will do and the learning we will explore in the class. As you read about each principle (Ch. 3-10), develop an outline of the key ideas discussed in the text. Focus both on the abstract and practical application of each principle. The outline should be approximately 1-2 pages per chapter. Watson provides lesson ideas and example student projects available on the companion website (www.oup.com/us/musicalcreativity; username: Music1; password: Book5983). I strongly encourage you to have this website open while you read because the student examples truly make the book come alive. Please organize your outline into a text document (Google Document or MS Word) and email/share it to me prior to the start of class (mfein@uarts.edu).

Day 1: Course Overview & Standards

1. Course Introduction
 - a. Google Classroom
 - b. Review Syllabus and Outline
 - c. Review the Capstone assignment and examples
 - i. Sonya Cohen - <http://www.youtube.com/watch?v=AxekktCqGgg>
 - ii. Lindsay Dodoras - <https://youtu.be/2wDZvVvKdmg>
2. Ice Breaker activity in small groups
3. Overview of Watson – 8 Principles for Unlocking Musical Creativity
4. Opportunity to Learn Standards for Technology
 - a. Read Opportunity to Learn Standards for Music focusing on the Technology section of each grade level. http://www.nafme.org/wp-content/files/2014/11/Opportunity-to-Learn-Standards_May2015.pdf
 - b. Complete the form and examine the response summary
 - i. Week 1: <https://goo.gl/forms/pb952v7fNQ2dXgjj1>
 - ii. Week 2: <https://goo.gl/forms/iz8hVISfpVusQ9uP2>

- c. "Build and It and They Will Come" - Ideal lab setup for schools
 - i. YouTube presentation: https://youtu.be/-v2_fZhaQXI
- 5. National Standards for Music Education
 - a. Explore the 2014 Music Tech Standards (Creating, Performing, Responding) <http://www.nafme.org/wp-content/files/2014/11/2014-Music-Standards-Technology-Strand.pdf>
 - i. *Optional:* Watch webinar on new standards - <http://vimeo.com/98255816> (4:17 - 16:45 - Goals of the standards, Creating, Performing, Responding, Enduring Understandings)
 - b. Brother John's GarageBand Lesson Plan - Identify how this lesson plan fits into the 2014 Standards.
 - i. Open the Brother John's GarageBand Lesson (shared Google Doc with comment-only privileges)
 - 1. **When adding comments, select a single word or short phrase.
 - ii. Identify 2014 Standard from the Tech Strand that:
 - 1. Are already in use in the lesson and make note of the standard and procedure # (use copy and paste from the PDF).
 - 2. Could be inserted into the lesson and make note of the standard and how you could address that specific standard.
- 6. Google Forms:
 - a. Select a teaching situation for yourself and develop a Google Form that you could use in your classroom. At the top of the form, setup the scenario for us so we know how you would use this Google Form with your class.
 - b. Members of our UArts course will act as class students and respond to each form so the form creator can see the final results. Keep the form relatively brief (5-10 questions). If you'd like to use an MP3 for any listening exercises, you can link to MP3 audio you have posted on Google Drive with open sharing settings.
 - c. Ideas: Roster Info, Quiz, Performance Assessment
 - d. Example form:
 - i. Week 1: <https://goo.gl/forms/vyl3QhsPNbbYKKTa2>
 - ii. Week 2: <https://goo.gl/forms/YriKJveHXeZN9IH3>
- 7. Audacity (Sound Recording Application)
 - a. Number Jumble Activity
 - b. The Man Activity (new sentences only)
 - c. Normalizing/Maximizing Activity
 - d. How to install Audacity - www.audacityteam.org

1. Communication Log Questions:
 - a. Zooming on a Mac - System Pref > Accessibility
 - b. Mouse Locator on Mac - <http://www.2point5fish.com/>
 - c. Extract audio from a video file - On Mac, use Quicktime Player - File > Export > Audio Only
 - d. Capstone privacy concerns - <https://support.google.com/youtube/answer/157177?co=GENIE.Platform%3DDesktop&hl=en>
2. Audacity - Continued
 - a. Recording Audio - Solfege Recording Activity
 - b. Highlight Tracks Activity
 - i. Download MP3 from YouTube (<http://convert2mp3.net/en/> , <https://ytmp3.cc/>)
 - c. Export out of Audacity (MP3) and upload to Google Drive
3. Basic Recording Gear Presentation
 - a. USB microphones
 - b. Pro microphone with audio interface
 - c. Accessories
4. **LESSON PLAN ASSIGNMENT (in class)** – Develop a music classroom lesson plan that incorporates AUDACITY. Create all necessary files for completion of the lesson (student template files, completed example file, source audio files, etc.).
 - a. Lesson Plan Template (Watson p. 120)
5. Keyboard and Lab Management:
 - a. Korg GEC5 - <http://www.korg.com/us/products/audio/gec5/>
 - b. Keyboard Options Presentation
 - c. General MIDI and drum map
 - d. Lesson Ideas:
 - i. Keyboard Safari
 - ii. Percussion Jam - <https://goo.gl/0mRLKM>
 - iii. Bastien Adult Piano - Mary Ann
 - iv. Alfred Music Tech Series - Ode to Joy Trio
 - v. Don Muro Quartets and Trios for Electronic Keyboard
6. GarageBand – Loops and MIDI Recording
 - a. Alfred Music Tech Series - Ode to Joy Trio

Day 3

1. Communication Log items:
 - a. What can you connect to a GEC?
 - b. GEC vs. audio interface
 - c. Recording keyboard AUDIO into Audacity
 - d. Stereo miking techniques - <https://www.youtube.com/watch?v=YZdnqxdOqUM>
2. Poll Everywhere - <https://www.polleverywhere.com/>
 - a. Respond to Beethoven Sym 7 mvmt 2 -

<https://www.youtube.com/watch?v=ffYKCNy6kUk>

3. TI:ME - www.ti-me.org
 - a. Certification process
 - i. Level 1 - Take 1A and 1B
 - ii. Level 2 - Take 2A, 2B, 2C...OR skip Level 1 and take 2A x 2, 2B x 2, and 2C
 - iii. ***This course counts as 2C***
 - b. Temporary membership
 - c. Member benefits
 - i. Lesson plans (also show how to search)
 - ii. Archive of articles/newsletters
 - iii. Research database, social TI:ME, magazine subscriptions
4. Keyboards - Continued:
 - a. Keyboard Options Presentation
 - b. Alfred Music Tech - Ode to Joy
5. GarageBand – Loops and MIDI Recording - CONTINUED
 - a. Alfred Music Tech - Ode to Joy in GB
 - b. Loop dee Loop – Watson 100% rule
 - c. Mozart Minuet
 - d. New Clothes for an Old Tune (Watson) (DEMO)
 - e. Muro Quartet Arrangement (DEMO)
 - a. Beat Box Composition
 - b. Scoring to Video:
 - i. ATLAS Collider Video (music)
 - ii. Nine Inch Nails Remix (DEMO)
 - iii. <http://www.youtube.com/watch?v=xwhBRJStz7w>
3. **LESSON PLAN ASSIGNMENT (in class)** – Develop a music classroom lesson plan that incorporates GARAGEBAND. Create all necessary files for completion of the lesson (student template files, completed example file, source audio files, etc.).

Day 4

1. Music First Applications
 - a. **Robin Hodson Webinar - 3:00-3:30pm**
 - b. Explore Music First applications
 - c. Free Web-based GarageBand Equivalents:
 - i. [Soundation](#)
 - ii. [SoundTrap](#)
2. Communication Log
 - a. Quantize audio in GarageBand
 - b. MIDI files
 - i. Do a Google search for “song name MIDI”
 - ii. More sites...http://feinmusic.com/michaelfein/Music_Technology.html
3. SoundTrap demo

4. Time to finish GarageBand Lesson Plan Assignment and explore MusicFirst apps.
5. GarageBand/iMovie test run!
 - a. GB - Record voice and add jingle. Automate volume for jingle. Export.
 - b. iMovie - Create new event, new project, import audio, add images.
6. Note Flight - ****Enter pitch, then enter rhythm****
 - a. Brother John
 - b. London Bridge Melody Jumble
 - c. Dissecting a Drum beat
 - d. Round Composition OR Pedal Point Duet
7. **LESSON PLAN ASSIGNMENT (in class)**– Develop a music classroom lesson plan that incorporates Note Flight. Create all necessary files for completion of the lesson (student template files, completed example file, MIDI files, etc.).
8. *Copyright Overview*
 - a. *Public Domain* - <http://www.pdinfo.com/>
 - b. *Creative Commons* - <https://creativecommons.org/licenses/>
 - c. *Fair Use*
 - d. *Licensing* - <http://www.harryfox.com/>
9. *Publishing, Playlists, and Organizing on the Web*
 - a. *Uploading Audio to the Internet - SoundCloud*
 - i. ****Apply a CC license to the file.**
 - b. *YouTube - Create a playlist*
 - c. *Watch a YouTube video without ads - <http://viewpure.com>*
 - d. *Web Design (Weebly)*
 - i. <http://improvwithtech.weebly.com/>
4. Apps in the Classroom:
 - a. DEMO - GarageBand for iOS
10. Time to upload files, write script, and organize for Capstone Project

Day 5

1. Survey of various free applications on the web
 - a. [Music Theory.net](http://www.musictheory.net)
 - b. [Incredibox](http://www.incredibox.com)
 - c. [Tone Matrix](http://www.tonematrix.com) (now apart of [AudioTool](http://www.audiotool.com))
2. Quick overview of YouTube:
 - a. YouTube - Create a playlist
 - b. Watch a YouTube video without ads - <http://viewpure.com>
 - c. Web Design (Weebly) - embedding a video
 - i. <http://improvwithtech.weebly.com/>
3. Survey of Curriculum Materials
4. Class time to work on Capstone Project
5. Capstone Project Presentations
6. Instructor Evaluation