

Handout to Support the Presentation
**Integrating eBooks, Tablets and iPads, and Smart Boards
 into the Music Classroom**

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I. Links to Support Presentation

http://www.delicious.com/squeakAndBlat/CMS_Sept_2010

II. eBook Formats/Devices

- ePub
- Mobipocket
- Broadband eBooks (BBEB)
- eReader (PDB)
- PDF
- Text & HTML
- Then add DRM

Reader	Primary DRM Format	Other Formats without conversion
Amazon Kindle B & N Nook	Kindle (Mobipocket + DRM) eReader (PDB + DRM)	Text & Mobipocket PDF, PDB, & ePub
Sony Reader	Broadband eBooks or BBEB	Text, PDF, & ePub
Apple eBooks w/iPad	ePub (DRM-free & DRM protected) w/iBooks	Text, PDF, HTML w/other readers

III. iPad Standard for Other iPad-like Devices

\$499 up to \$829 16GB to 64 GB RAM WiFi or WiFi and 3G Broadband Weighs 1.5 lbs 9.7 inch LED backlit multi-touch display with IPS technology	1024 x 768 pixel resolution 9-10 hour battery life HTML5 video, not Flash video New 7 inch w/camera rumored for Holidays
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IV. Tablet OS Comparison Chart: Sample Android Tablets are Samsung Galaxy Tab, Toshiba Folio, Viewsonic ViewPad 7

iOS4 (Apple based) for iPhone/iPad no Flash but HTML5 promoted; 250,000 apps est.	Android (Google based) 70,000 apps est.; vers 1.5 released in 2009; vers 2.2 (Froyo) May 2010 w/Flash; Gingerbread in 4 th Quarter 2010. See http://en.wikipedia.org/wiki/List_of_Android_devices Windows 7 (Microsoft based)
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V. Smartboards and iPads: Ways to Make Each Technology Work Together

Smart Technologies: Response VE

Apps that support VGA out: example: *PaperDesk*

Apps that control laptop computer: example *Ignition* by LogMeIn

VI. eScore Readers

- Single Score or Score Library: Muzibook Publishing, eScore, MusicNotes
- PreProcessing or PDF: MusicReader, forScore, MusicNotes, Medley
- General PDF: GoodReader and iBook

VII. Instrument Simulators & Tutors

- Folks: Autoharp, Harmonica, Glass Harp, Twang, Washboard, Hang, & Bagpipes
- Drums: Drum-kit, Latin Bongos, Cajun Beat, Drums

- Keyboard: ProKeys, iKeys for iPad, Church Organ
- Groups: Band Lessons, Music Studio Suite
- Other: Violin, *iBone, EZ Blues Guitar
- TouchOSC MIDI control w/ Open Sound Control WiFi signals
- Synths: Bleep!Box Player, Sunvox Synthesizer, HexJam HD, iSequence. Korg iElectribe, GrooveMaker
- Children: Young Children Instruments, Drumset for Kids, MiniBand HD

VIII. Examples of Music Theory Apps (early days for anything substantial)

- Scales and Modes
- Nota HD
- Karajan-Pro
- Pianist Pro with MIDI interface
- SoundPrisim (less-traditional app with performance possibilities)

IX. Examples of Research/Writing Tools/Curriculum

- Blackboard Mobile Learn
- YouTube
- PaperDesk
- CourseNotes
- iTunes University

X. Examples of Personal Teaching Utilities

- Kindle, GoodReader & Zinio for reading
- ClearTune and Tempo for tuning and metronome
- Xmarks & 1Password for bookmarks and password management
- PS Express for photo editing (w/ Camera Adapter) & Netflix for videos
- 2Screens & Expedition for projection
- Priority Matrix for keeping life in order

XI. Benefits

- Reduce size of student backpacks
- Provide rich multimedia interactivity beyond hardcopy print media
- Simulate both instrument performance & sound
- Reduce music library/score clutter and management
- Apps very customizable to specific needs
- Simplified, friendlier, user- & app-focused operating system
- Portability (all in one device) consistent with the notion of a multifunction device (those under a certain age do not wear wristwatches!)
- Ability to record audio (potentially video) as well as act as a notetaking device
- Internet access as well as access to texts/other materials
- Storehouse for personal content
- Potential for sharing with others in class, setting up collaboratives

XII. Limitations

- Music apps widely varied in quality; target skill level often beginning level
- Score reading ergonomics for performance need to mature
- Cost of yet another piece of technology to purchase and maintain
- Tablets in early adoption curve with much fallout yet to come
- Android vs. iOS app cross platform compatibility untested; difficult for class/student management
- May not run important applications
- Limited interface (keyboard/printing)
- Size limitations still an issue
- Non standard formats among content providers