

The 21st Century Podium



Practical Ways to Incorporate Technology While Teaching Music



by **Mike Fedyszyn**
Instrumental Music Director
Lake Country School
Hartland, WI

mike.fedyszyn@lcs.k12.wi.us

Technology in the 21st Century Classroom (in a nutshell)

- Why is it necessary?
 - Today's students are "digital natives" – they have grown up in the digital age
 - It encourages creativity in the classroom
 - It enhances good instruction greatly (but doesn't replace it)
 - Students have come to expect that technology is a part of their lives in all facets (including school)
 - It is our job as educators to relate our teaching to our students' lives
- Be aware of what's new
 - The world of technology changes rapidly
 - Keep up with professional development, as well as technological advances in the world

Show and Tell: What Tools Can You Use?

- Projector
 - An ESSENTIAL in today's classroom – the primary way to deliver information to the masses
 - Luckily, they are quickly going down in price
 - Recommended specifications:
 - At least 1024x768 resolution (XGA) – the larger, the better
 - At least 2000 lumens
- Interactive Whiteboard
 - One of the "expensive" ones (i.e. SMART, Promethean, PolyVision, etc.)
 - WiiMote Whiteboard (VERY cost-effective option for an interactive whiteboard)
 - To find out more, go to www.wiiteachers.com or www.johnnylee.net/projects/wii/
- Computer Tuner/Metronome
 - E-Chromatic Tuner (<http://www.tucows.com/preview/503218>)
 - Tempo Perfect Metronome (<http://www.nch.com.au/metronome/index.html>)
- Recording
 - Audacity
 - Open-source (free) audio recording software
 - Handheld recorder
 - Think of these as recordable iPods with GREAT recording quality
 - Zoom H2 or H4, Edirol, Microtrack are good brands to look for
 - GarageBand, MixCraft, and other similar programs
- Wireless Keyboard
 - Allows teacher to be anywhere in room to control projector
 - Think of this item like a glorified remote control for your computer

- Make sure to get 2.4 GHz RF wireless technology (much larger range)
- Check out tigerdirect.com (good technology shopping site with many deals) for keyboard – the brand I use is Adesso
- Powerpoints
 - Pre-Class Powerpoint – Rehearsal Schedule, Announcements, etc.
 - Pre-Concert Powerpoint – Information for Parents (essentially an electronic newsletter)
- Pictures of kids on projector
 - Kids love to see themselves
 - A 21st century bulletin board
 - A great thing to place on your projector:
 - Before/after class
 - During parent conferences
 - Open house
- Concert Videos
 - Song Introductions
 - Presentations (video, powerpoint, etc.) during performance
 - Retrospective Videos
- SmartMusic
 - Highly recommended
 - Exercises (scale-based, rhythm-based)
 - Full ensemble music on screen
 - Solo/ensemble music
 - Assessment & Recording
- Music Video Games
 - Don't dismiss these tools just because they are video games marketed to a wide audience – they have lots of potential in the classroom
 - Some great examples
 - Guitar Hero
 - Wii Music
 - Rock Band
- Notation
 - Finale/Sibelius
 - Finale NotePad
 - MuseScore (open source version of Finale or Sibelius – highly recommended)
 - Noteflight
 - Web-based music notation software
- Recordings
 - Examples for the class
 - Sources – recordings of college/professional groups, publisher web sites, jwpepper.com, stantons.com

- YouTube
 - Performance examples of other ensembles
 - Masterclasses/lessons by top musicians
 - Musical “humor” and levity
- Some notable tools for away from the podium
 - Social Networking – Facebook, Twitter, etc.
 - Blogs, Wikis, Web Sites

<p>Mike's Favorite Free Programs</p> <p><i>Audio/Video</i> Audacity – http://audacity.sourceforge.net iTunes – http://www.apple.com/itunes CinemaForge - http://stagegold.com/cinemaforge/info.aspx Windows Media Player – http://www.microsoft.com/windows/windowsmedia/ SongBird – http://www.getsongbird.com</p> <p>WinAmp – http://www.winamp.com VideoSpin – http://www.videospin.com VirtualDub – http://www.virtualdub.org Jahshaka – http://www.jahshaka.org</p> <p><i>Productivity</i> OpenOffice – http://www.openoffice.org CutePDF – http://www.cutepdf.com VB Doodle - http://www.hopkinsprogramming.net/software/vbdoodle/</p> <p><i>Pictures and Imaging</i> GIMPShop – http://www.gimpshop.com Krita – http://www.koffice.org/krita Paint.NET – http://www.getpaint.net</p> <p>iTag – http://www.itagsoftware.com</p> <p><i>Web Site Creation</i> KompoZer – http://www.kompozer.net Flash Slideshow Maker – http://www.flash-slideshow-maker.com Powerbullet Presenter – http://www.powerbullet.com</p> <p><i>Notation/Composition</i> TrakAx – http://www.trakax.com MuseScore – http://www.musescore.org AnvilStudio – http://www.anvilstudio.com</p> <p><i>Other Music Education Software</i> E-Chromatic Tuner - http://www.tucows.com/preview/503218 JAM Chord Player - http://pyva.net/eng/jam/ Tempo Perfect Metronome - http://www.nch.com.au/metronome/index.html GNU Solfege – http://www.solfege.org TabPlayer - http://www.simoneperandini.com/tabplayer/</p>	<p>Other Inexpensive Software Options SmartMusic – http://www.smartmusic.com MixCraft – http://www.acoustica.com/mixcraft JamTrax – http://www.sonycreativesoftware.com/jamtrax Finale Notepad – http://www.finale.com/notepad</p> <p>Internet Resources (Some of Mike's favorites) <i>(Note: This list consists mainly of resources that can be used with students in a classroom setting)</i></p> <p><i>Performance Aids</i> Metronome Online – http://www.metronomeonline.com Gieson Online Guitar Tuner - http://www.gieson.com/Library/projects/utilities/tuner</p> <p><i>Theory and Composition</i> Ricci Adams' Musictheory.net – http://www.musictheory.net Good Ear – http://www.good-ear.com</p> <p><i>Instrument-Specific</i> Vic Firth Education Resource Center – http://www.vicfirth.com/education/index.html Conn-Selmer Educational Resources - http://education.conn-selmer.com/</p> <p><i>Everyday Internet Sites (helpful in the classroom)</i> J.W. Pepper (contains demo recordings of thousands of works for band, orchestra, and choir) – http://www.jwpepper.com YouTube (numerous videos available for music educators) – http://www.youtube.com</p> <p><i>Create Your Own Web Site/Blog (for free) Sites</i> Blogspot – http://www.blogspot.com Weebly – http://www.weebly.com WordPress – http://www.wordpress.com</p>
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Mike Fedyszyn is the Instrumental Music Director at Lake Country School in Hartland, Wisconsin, a K-8 school which is part of the Arrowhead Area School District. At Lake Country, he is responsible for three bands, a string program, and instrumental lessons. Mike is in constant demand as a clinician by professional organizations, school training sessions, and state and national conferences and seminars on the topic of technology as it relates to music education.

Mike's primary instrument is trumpet; he currently is a freelance performer in the Milwaukee area. He holds a Bachelor of Fine Arts degree from UW-Milwaukee in music education. An executive board member of the Wisconsin Youth Band Directors Association (WYBDA), he is active in numerous other professional organizations, including the National Band Association (NBA), Music Educators National Conference (MENC) and Wisconsin Music Educators Association (WMEA).