Creative Web Development for Music Education

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For the School of Music

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Public School Examples:

- http://www.wayne.k12.in.us/fjhteach/music/page1.htm, March, 2001.

- http://www.sbomagazine.com/sbomag/jan02/webspot.html, January, 2002

- http://www.bcbands.org, April, 2002

- http://www.dentonisd.org/dhs/finearts/band, June, 2001

- http://www.whsmusic.nvi.net, May, 2001

- http://www.isd77.k12.mn.us/schools/west/music/band.htm, December, 2001

Meet Denton, Texas Independent School District!

- Jeff Windsor: webmaster. Special website for Mid-West Band & Orchestra Clinic presentation. <u>Click here</u> for school music websites:
  - Denton High School Band
  - Denton High School Orchestra
  - Ryan High School Orchestra
  - McMath Middle School Band
  - McMath Middle School Orchestra
- McMath Middle School Band Forum: <u>http://www.dentonisd.org/studentbb/index.php</u>

Role Mode for Music Educators and Private Music Studio Needs: Part 1A!

- Role Mode for Music Educators and Private Music Studio Needs: Part 1A!
    - Charms Music Office Assistant at: http://www.charmsmusic.com and with tutorial at: http://www.kuzmich.com/charms1_tutorial.html
    - Student records
    - Library management
    - Quickly assign uniforms
    - Teacher-defined categories
    - Easy entry of state forms
    - Fee and form collection
    - Custom reports

Role Mode for Music Educators and Private Music Studio Needs: Part 1B!

- Parent information
- Fund raising accounting
- Inventory control including barcode scanning
- Quick access hub
- Band, choir or orchestra
- Upload student handbooks
- Group and individual e-mail
- Parent communication log

Role Mode for Music Educators and Private Music Studio Needs: Part 2!

- Charms Private Studio Manager at: http://www.charmsstudio.com and tutorial at: http://www.kuzmich.com/charms2_tutorial.html
  - Keep student records
  - Schedule lessons
  - Payment and expense tracking
  - Personal library management
  - Order and assign music
  - Online calendar
  - Barcode scanning
  - Contest management

Web Page Feature Applications

- Video streaming: http://www.ntjazz.com/ & http://www.kuzmich.com/Reva/Butterfly.ram

- Audio streaming: http://www.kuzmich.com/reva.html

- Calendar Events: Denton, Texas ISD

- Booster Information/Minutes: http://www.bcbands.org/

- Grades 24/7: http://www.kuzmich.com/carmody/Grades.html

- Musical Scores for Instructional Purposes: http://www.bcbands.org/ and http://www.kuzmich.com/Compositions.html

Web Page Feature Applications: Page 2

- PowerPoint slide shows: http://www.kuzmich.com/Australia_PowerPoints.html

- Instrumental Music Assessment: http://www.wayne.k12.in.us/fjhteach/music/PDF/SOE%20Assignment%20Sheets%20Bk%201,2,3,.pdf

- Music Practice Cards: http://cougar.ccs.k12.in.us/~Music/

- Music Theory Assessment

- Band forum: http://www.dentoniwsd.org/studentbb/index.php

Web Page Feature Applications: Page 3

- Crossword puzzles: great follow up to teaching presentations.

- Crossword Puzzle Deluxe by Visions Technology in Education at: http://www.toolsforteachers.com

  - Calendars: easy to do.

  - Freeware on-line HTML application that makes small calendars that are easy to edit in HTML. http://www.markworld.com/makecalendar.html

  - Creative Calendar 10 by Broderbun at: http://www.broderbund.com. Offers HTML and JPEG calendars that don't use much server space &are powerful, plus 115,000 images & pro layouts!

Music Web Applications Continued

- MP3 file conversion with <u>Pyro 2004</u>. Absolutely necessary for wave file postings.

- Audio/Video streaming: <u>Helix Producer and Helix Producer Plus</u>. For professional level, Vegas 4.0 by <u>Sony Pictures</u>. Really good for creating Realnet audio streaming files.

- Internet Copyright Considerations: <u>http://www.sbomagazine.com/sbomag/nov03/technology.html</u>. Beware, copyright laws are in effect along with on-line policing.

MIDI Accompaniments for On-line Use: Page 1 (You Make'Em)

- Band-In-A-Box by PG Music at: http://www.pgmusic.com. Post great accompaniments on-line for practice at home.

- Home Studio 2004 by Cakewalk and PowerTracks Pro by PG Music for producing teaching accompaniments, including digital audio recording.

- Music notation products from freeware to professional levels: Sibelius, Finale products and much more. Go to: http://www.sbomagazine.com/technology.html for in-depth reviews in their April, 2004 issue covering freeware to under $100.00 for entry level applications and far beyond.

MIDI Accompaniments: Page 2 (You Find Them On-Line!

- Home Practice Online at http://astro.temple.edu/~swatson/. Site organized to supplement elementary band with online practaice accompaniments.

- JazClass at http://www.jazclass.aust.com is devoted to learning about playing jazz and improvising. Includes listening examples, accompaniments, etc.

MIDI Accompaniments: Page 3 (You Find Them On-Line!

- Sam Reese's web site at: http://www-camil.music.uiuc.edu/classes/358/www_topic.html that explains how to apply sounds to a web page and includes blues accompaniments that allow players to visualize chord progressions and improvise at the same time.

- http://www-camil.music.uiuc.edu/mtt gives examples of how music teachers are using technology including MIDI in the classroom and studio.

- http://www.atmi.music.org provides hands-on information written in a very clear, usable manner for beginners and advanced practitioners who are including music technology in the classroom.

Getting Started with Web Development: Three Entry Levels

- ASCII editor and web browser
- Word processor and web browser
  - GUI/Graphical Editor
  - Dreamweaver by Macramedia: http://www.macromedia.com/dreamweaver
  - Go-Live by Adobe: http://www.adobe.com/products/golive/newfeatures.html
  - FrontPage 2003 by Microsoft: http://www.microsoft.com/frontpage
  - Netscape Composer by Netscape: http://home.netscape.net

Student Music Recordings: A Must for Every Music Teacher's Website!

- **Digital audio recording** so every teacher can have their students posted on their school web page   It is very simple the way I teach it   Now you can reproduce CD's for your students and parents better yet, audio and video stream the recordings on your school web site painlessly with nobody doing it for you and at outrageous fees. See: http://www.kuzmich.com/handouts/digital_magic.html, http://www.superscopetechnologies.com/press/IAJEcolumn.htm and http://www.superscopetechnologies.com/products/PSD230/index.htm for details and products.
  - Dedicated hardware: *Superscope PSD 300*
  - Professional Software Applications: *ACID Pro 4.0*, Sound *Forge, Sonar* and *Vegas*
  - Entry-Level Software Applications: *Home Studio*, *and PowerTracks Pro*

What Do I Need To Learn First: Web Development?

- Must first understand how to edit in HTML
    - Most popular web programming language that works in Windows/Macintosh
- Utilizes WYSIWYG programs like FrontPage and Dreamweaver.
- Make first web page "by hand" via HTML coding with ASCII editor/word processor and browser as well as Netscape Composer
- Try a GUI web making product such as Dreamweaver, FrontPage and Go-Live!
    - In GUI, learn:
    - Word processing features
    - Text and graphic alignments
    - Ordering: bullets and numbering
- Tables as the formatting barometer for web page layout
- FTP file transfer programs - Where to host your web site such FTP file transfer programs such as WS_FTP LE at: http://www.ipswitch.com for PC's and Fetch for Mac's.
    - Sources for host web pages for free:
    - E-mail providers such as AOL, Earthlink, MSN, etc.
    - Free sites: Geocities, Free Web Hosting, Homestead

HTML Editing Capabilities: Essential for Web Development: Page 1

- Where to Begin as a Novice Web?
  - Let's Start with Basic HTML Programming Elements with:
  - ASCII Editor or Word Processor
- Web browser or Netscape Composer
- Simple Text Formatting
- Fancy backgrounds
- Outlining and Organizing Text

HTML Editing Capabilities: Page 2

- HTML workshop outline of what you need to learn at: <http://www.kuzmich.com/handouts/HTML_outline.html> which makes a great introduction for making web pages.

- Linking to other web sites and pages

- Posting photographs
  - Tables: the Creative Layout Tool
  - Post Calendars via Tables

HTML Editing Capabilities: Page 3

- 3,310,000+ on-line published HTML tutorials searched in Yahoo Search Engine

- Bare Bones website at: http://werbach.com/barebones/

- Video Professor at: http://www.videoprofessor.com/

- HTML Goodies at http://www.htmlgoodies.com

- 40 HTML tutorials and lessons at: http://www.htmltutorials.ca

Web Page Layout Considerations

- Bad examples:
  - Clutter: http://jeffcoweb.jeffco.k12.co.us/middle/carmody/computers/index2.html
  - Web Pages That Suck: http://www.webpagesthatsuck.com/
- Better example: Cleaner with Frames: http://www.kuzmich.com/carmody/Body_Frame.htm
- Best example with original artwork: http://www.kuzmich.com/carmody/Carmody_Opening.htm

Posting of Music Scores via HTML Conversion Files

- **Student Compositions: http://www.kuzmich.com/Compositions.html and http://www.bcbands.org/**

- **Sibelius: http://www.sibelius.com/cgi-bin/download/get.pl?com=sh&prod=scorch**

- **Finale 2004: http://www.finalemusic.com/viewer/**

Posting of Music Scores via HTML Conversion Files: Page 2

- **Automatic Accompaniment Generators:** teaching was never so much fun with this software application. See: http://www.kuzmich.com/band-in-a-box.html http://www.kuzmich.com/band-in-a-box2.html and http://www.kuzmich.com/band-in-a-box3.html   And you can record students with a rhythm section and post them on the Internet as easy as A, B, C.

  - Dr. K on Bb Clarinet jamming for 1.13 minutes on the Bb Shuffle Blues by Jamey Aebersold. It could take 2 to 3 minutes for a 28.8 baud modem connection to read this MP3 audio file (517k) in 22 kHz stereo fidelity. http://www.kuzmich.com/performances.html Note: this file is not audio streamed.

Music Theory Results to Teachers at Home with Options to E-mail

- **Ear Training/Music Theory:** you can learn/teach music theory faster with software assistance including having students working at home and e-mailing their scores to the teacher. Check: http://www.sbomagazine.com/sbomag/apr01/technology.html Note: there are several companies that sell their product to students at 1/3 of their retail prices:

- Musica Practica: http://www.ars-nova.com

- Essentials of Music Theory: http://www.alfred.com

- Auralia and Musition: http://www.risingsoftware.com

Electronic Music Practice Cards:

- Musician's Online Practice Planner by Molto Music at: <http://www.moltomusic.com/main.html>

- Carmel Junior High School in Indiana at: http://cougar.ccs.k12.in.us/~Music/

Traveling Web Sites:
PR Significance!

- Band & Orchestra trips can be setup for remote design while on school trips. For three different approaches, go to the technology column in School Band & Orchestra magazine at: http://www.sbomagazine.com/sbomag/jun02/technology.html

  - Diary approach

  - Formula approach with Postnuke

  - Step-by-step with home approach

Web Bibliography: Page 1

- Books: http://www.kuzmich.com/handouts/Web_Bibliography.html
- Must learn HTML first to understand how to edit web pages and literally debug HTML errors by hand. The article, Building Your Own Web Page, offers three good but simple methods to learn the basics of HTML. Here are some good entry books to peruse.
    - Absolute Beginner's Guide to Creating Web Pages by Todd Stauffer, published by Que. No prior web publishing experience necessary.
    - Beginner's Handbook Developing Web Pages for School and Classroom by Susan Hixson and Kathleen Schrock, published by Teacher Created Materials. Teaches not only the basics of creating and posting a web page, lbut also takes you through the process of evaluating sites as well as planning developing content.
    - Web Site Design Goodies by Joe Burns, published by Que. Offers free tutorials on THML, scripting, and web design insight.
    - Creating Web Pages for Dummies by Bud Smith & Arthur Bebak. Published by IDG Books. Create web pages overnight without being an HTML pro.
    - Setting Up An Internet Site for Dummies by Jason Coombs & Ted Coombs, published by IDG Books. Your first aid kit for creating your own Internet site quickly and easily.
    - Teach Yourself HTML 4 in 24 Hours by Dick Oliver, published by Sams. Contains 24 proven one-hour lessons to make your own web site up and running.

Web Bibliography: Page 2

- The second thing you need to do is to learn to design web pages within Netscape. Two excellent books to learn how to do this are as follows:

  - Build a Web Site In One Day with Netscape Composer by Diann Floyd Boehm, published by Visions Technology in Education. Step-by-step instructions on how to create a simple, yet interactive web site that teacher's can use to showcase their classroom and involve their students and parents from ready made templates and clip art on the accompanying CD.

  - The Web Kit: How to Build Great Web Sites by Arnie Abrams & Jim Rible, published by Visions Technology in Education. This interactive CD-ROM guides students, teachers and administrators step-by-step through the process from understanding web site technology and design to maintenance and adding bells and whistles with over 60 classroom project templates and a complete tutorial or building an online portfolio.

  - Once you understand and graphical concepts in Netscape's Composer, you are ready for the ultimate way to design and develop web pages via graphical software applications.

Web Bibliography: Page 3

- The third way for making web pages is with GUI/Graphical Editors:
    - Dreamweaver by Macromedia. For 19 free on-line tutorials, go to http://www.kuzmich.com/mtna/Dreamweaver_Tutorials_Yahoo.htm
    - Go Live! by Adobe
    - FrontPage 2003 by Microsoft
- Netscape Composer by Netscape
- Or if you are not techno for Dreamweaver, GoLive or FrontPage 2003, try Macromedia's Contribute 2 that can be used by anyone to easily update, add, and publish content to existing websites without knowing HTML.

Web Bibliography: Page 4

- Brand new Dreamweaver tutorial book.
  - Learn Dreamweaver in a day by Arnie Abrams, published by Visions Technology in Education.
  - This book offers a clear and concise introduction to the features and capabilities of the most commonly-used program fro creating Web sites.
  - Covers Dreamweaver MX 2004 and MX versions for both Windows and Macintosh.
  - Includes CD-ROM
  - Suitable for students in grade 7 and above and teachers and administrators.

Bibliography: Web Articles

- Building Your own Web Page:
  http://www.sbomagazine.com/sbomag/jan00/technology.html

- Building Exciting Web Pages: Part II:
  http://www.sbomagazine.com/sbomag/jun00/technology.html

- Why Is MP3 So Important For Music Educators:
  http://www.sbomagazine.com/sbomag/oct00/technology.html

- The Creative Aspects of Video Streaming:
  http://www.sbomagazine.com/sbomag/dec00/technology.html

- Making School Web Pages More User-Friendly:
  http://www.sbomagazine.com/sbomag/sep01/technology.html

- Remote Web Design:
  http://www.sbomagazine.com/sbomag/jun02/technology.html

- Guide to Graphic Editor Software Applications:
  http://www.sbomagazine.com/sbomag/jul03/technology.html

Web Development
for All Music Educators

- It can be done easily.

- It can be done on a minimum budget.

- It can change your relationship with your students, parents, administration and community.

- It offers great public relations.

- Music must be included on your website.

- Sky is the limited with web development. See model resume at: http://www.kuzmich.com/reva.html

- E-mail at: jkuzmich@jeffco.k12.co.us and good luck!!