

Technology in the Elementary General Music Classroom

MENC Opportunity-to-Learn Standards for Music Technology

Curriculum and Scheduling, Staffing, Equipment, Materials/Software, and Facilities (ages 2-5, grades 1-5, MS, HS)

<http://www.menc.org/resources/view/opportunity-to-learn-standards-for-music-technology>

Technology Institute for Music Educators (TI:ME) <http://www.ti-me.org/>

The mission of TI:ME is to assist music educators in applying technology to improve teaching and learning in music. It supports the National Standards for Arts Education (MENC) as well as the National Educational Technology Standards (NETS) of the International Society for Technology in Education (ISTE).

Aural and Other Music Skills

Music Ace & Music Ace 2

www.harmonicvision.com/

This software is by far the most popular music theory skills software currently available. There are three different aspects of the software that are quite valuable in the music classroom. The first of these is the tutorial section which on both titles takes students through comprehensive theory exercises ranging from discriminating between high and low pitches to basic voice leading principles. When students feel that they have enough information about a certain theory concept, they may move on to the next aspect of the software, the games. These games, unlike games on other software titles, are truly educational. Even high school theory students might find some of them challenging. They range from clicking the mouse on the beat, to identifying major and minor chords. What makes this software outstanding is the record keeping function. Up to ten students can record their progress through the software. The third and final aspect of this software is the ≥Music Doodle Pad.≤ Here, like with the *Making Music* software, students can create their own compositions by drawing in the melodies. They can also save their compositions. This software runs on both Mac and PCs

Midisaurus Volumes 1-4, by MusicWare

This software is quite a lot of fun, and incorporates many different types of musical activities for younger students. Everything from sing-a-long songs to note naming skills to basic piano skills are included. There are numerous games that students really enjoy playing. The games start as easy as recognizing the difference between the right and left hand and progress up to distinguishing the form of a composition. Combined with a MIDI keyboard, this software is a wonderful way to get students interested and started with piano. The graphics are very bright and colorful, there is narration throughout, and

since the software is extremely user-friendly, very little manual reading is required. Another great feature of this software is the record keeping aspect. While only a handful of student scores can be stored into memory, it is a wonderful feature to keep track of student progress. The software runs on either the Mac or the PC platform.

Music Creation

Morton Subotnick's Making Music <http://www.creatingmusic.com/>

This software, created by Morton Subotnik, is a wonderful tool for teaching basic compositional skills. There are a few games on both titles, and they are listening exercises, mainly geared for younger students. What makes this software title truly unique is the way Subotnik presents the composition feature of the software. In *Making Music*, the user can basic draw a melody on a canvas, and the software will translate the drawing to pitches, and will then play the melody back to the student. Students can add different instruments and parts to their composition, and in turn, come up with some pretty interesting stuff. In *Making More Music*, students can explore musical forms, experimenting with changing around existing melodies and phrases. Like *Midisaurus*, both *Making Music* and *Making More Music* have record keeping capabilities. In this software however, it is not the game progress that is kept track of. Students can record and store their very own compositions. This software runs on both Mac and PCs and is available at www.soundtree.com

Vermont MIDI Project <http://www.vtmidi.org/>

The purpose of the Vermont MIDI Project is to encourage and support students in composing and arranging music. A community of professional composers, teachers, pre-service educators, and students engage in mentoring and online discussion of student work.

Music Notation

Songworks <http://www.ars-nova.com/songworks.html>

Noteflight <http://www.noteflight.com/>

Noteflight® is an online music writing application that lets you create, view, print and hear music notation with professional quality, right in your web browser.

Books

Burns, Amy M. (2008). *Technology Integration in the Elementary Music Classroom*. Hal Leonard.

Frankel, J. (2009). *The Teacher's Guide to Music, Media, and Copyright Law*.

Frankel, J. *Software for the Elementary School Music Classroom*. Hal Leonard.

Rudolph, T., Frankel, J. (2009). *YouTube in Music Education*. Hal Leonard.

Marsh, D., et al. The *Technology Strategies for Music Education* are designed for in-service K-12 music teachers. This document contains strategies for integrating technology into the music curriculum, and the areas of competency leading to TI:ME certification.

Music Industry Vendors

- [Alfred Publishing Company, Inc.](#) - Whether you want to learn, teach, or play music, we have the books, sheet music, CDs, DVDs, Blu-ray discs, software, and on-line media that's perfect for you.
- [Avid](#) - Makers of [Sibelius Music Notation Software](#) and the Scorch Web plugin. Avid is a worldwide leader in digital media creation tools for film, video, audio and broadcast professionals – as well as for home audio and video enthusiasts. Avid professional and consumer brands include Avid, Digidesign®, M-Audio®, Pinnacle Systems®, Sibelius® and Sundance Digital®.
- [Breezin' Thru Theory](#) - Discover the new music theory and composition curriculum that saves time and makes learning fun. For Grades 7 to AP1.
- [Kelly's Music and Computers](#) Your Source for Music Technology!
- [Noteflight](#) - Noteflight is a powerful full-featured application to edit, display and play back music notation in a standard web browser, integrated in an online library of musical scores that anyone can publish, link to, or embed.
- [Rising Software](#) Makers of Auralia & Musition. Rising Software develops and publishes educational music software for students, teachers and performers. Schools, colleges, churches and other educational institutions use our Ear Training and Theory Training software daily to help provide quality education for their students.
- [Romeo Music](#) is a unique resource for both the Music Educator and the Music Maker. If you are looking for simple and effective technology tools to enhance your teaching, Romeo Music has one of the most nationally recognized team of music technology specialists to personally help you.
- [Shure Incorporated](#) You sing it. You say it. You play it. We'll help you amplify or record it. Microphones & Audio Electronics.
- [Soundtree](#) Keyboard labs, computers, MIDI devices, and more. Part of [Korg USA](#).
- [Yamaha Corporation of America](#) keyboards, sound modules, hard disk recorders, Music in Education (MIE)