

New Trends In Music Education and Music Technology

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Schools

Music Education Magic

Topics To Be Covered:



- Virtual Music Education
- Interactivity In The Music Education Classroom
- The Use of Video Games In The Music Classroom
- Computers of the Future

Trends In Music Education:

QUESTION:

What is the most popular instrument in the country today?

Hint: Your school probably doesn't teach it!



Trends In Music Education:

Information on “how to play the guitar” is searched for on Google over 1,200,000 times each month!



But very few schools have an active guitar education program

What happens in your school when a student wants to learn to play the guitar but you don't offer it?

Virtual Music Education:



Dozens of software vendors are trying to take up the slack by creating better and better software based instrument tutors.

It is only a matter of time before band or orchestra instruments make their way into online instruction.

Virtual Music Education

The instruction of musical instruments or voice by computer software has always had some major drawbacks:

- Instruction is one way only
- No human interaction or positive reinforcement
- No artificial intelligence to see problems and fix them

You need a human being around to fill in the gaps in knowledge.



Virtual Music Education

New technologies now make it possible to teach a student virtually anywhere in the world over the Internet in a one on one environment.

- Skype
- Kompoz
- EJamming



Photo courtesy of Time Warp Technologies

Virtual Music Education

Other technologies make it easier to interact with a student during a virtual lesson.

- Classroom Maestro
- Home Concert Extreme



Photo courtesy of Time Warp Technologies

Virtual Music Education

- x Not just one to one teaching!

- x One to many:

 - x Walt Ribeiro – Online Guitar Lessons via YouTube

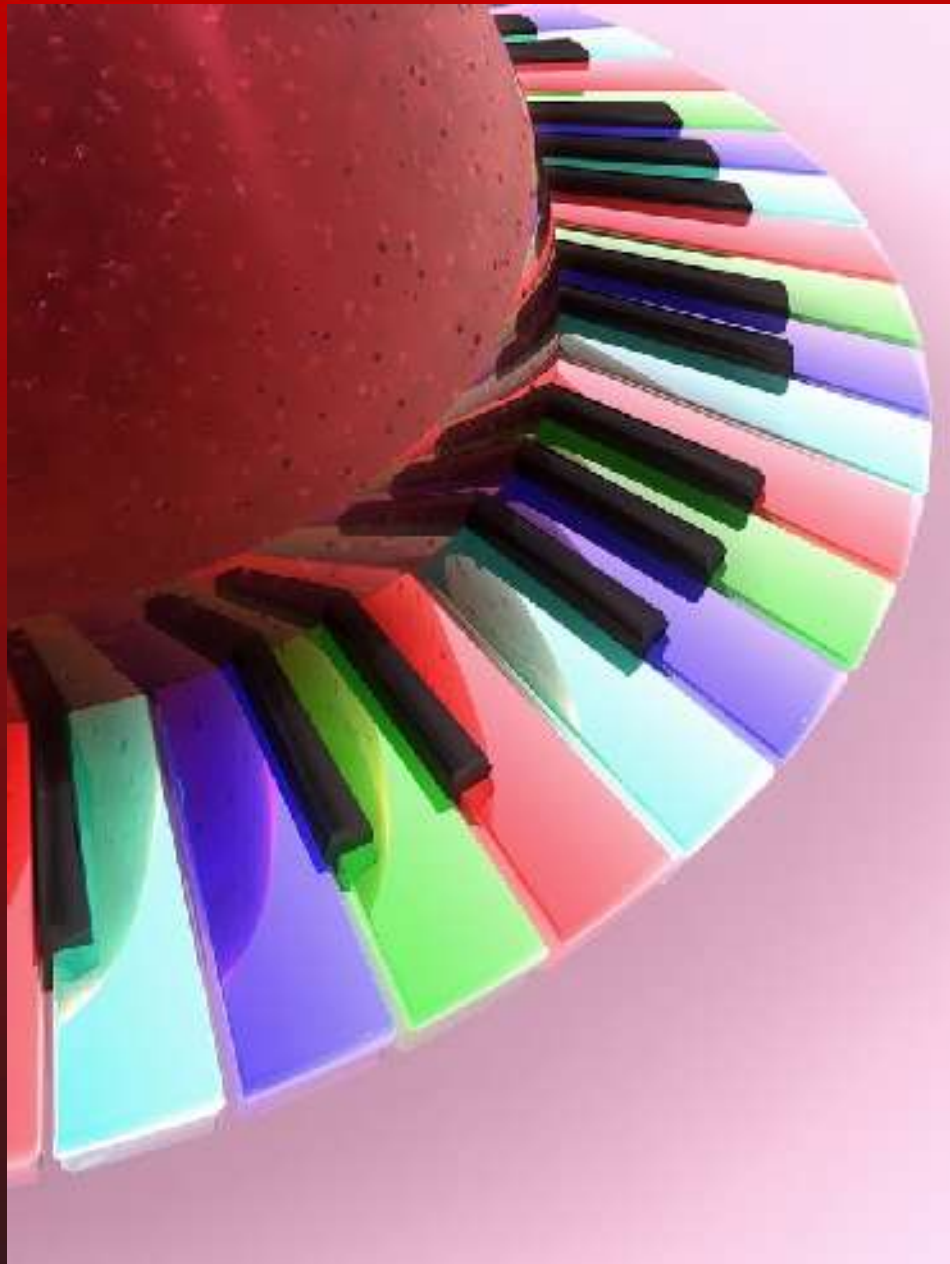
 - x Allan Molnar – Team teaching via the Internet using iChat

 - x Why not you?

The Interactive Music Education Classroom

New products that can make a
difference in your teaching

The Interactive Music Ed Classroom:



All over the world more classrooms are incorporating technology into their instruction.

Recently a number of very useful and well designed products have emerged that when used together with traditional methods can boost retention and performance of young musicians.

Interactive White Boards

Allows a teacher to incorporate new interactive elements to a lesson that are not possible any other way.



Interactive White Boards

Stand Alone IWB's

- Promethean- ActivBoards
- Smart Tech- SmartBoards
- Hitachi- StarBoards

Portable IWB's

- Virtual Ink- Mimio
- Luidia- eBeam



[Full list of all IWB Manufacturers](#)

Interactive White Boards

Things To Consider When Buying An IWB:

- Software Usability and Convenience
 - Some software packages are more robust and well designed than others
- Available Resources
 - Free lessons, graphics, and other resources that work with the IWB's software
- Features Needed In A Specific Classroom
 - Type of touch sensitivity
 - Interactive wireless voting and assessment controllers
 - Interactive wireless slates

Music Writer Touch

- x New product from PyWare
 - x Designed for use on IWB's
 - x Works with any whiteboard

Computer Guided Music Education



Every teacher should be playing video games with their students!

-Alan November

Author of Empowering Students
With Technology

Teaching Music Through Video Games

Most video games are currently focused on elementary school age concepts:

- Groovy Music
- Music Ace
- Etc.

While most are instructional in nature, they are not much fun.

Student's are not going out and buying them to play at home...



Teaching Music Through Video Games

Ever hear of something called Guitar Hero?

Guitar Hero and other terms related to it account for 11,000,000 web searches each month



Wii Music

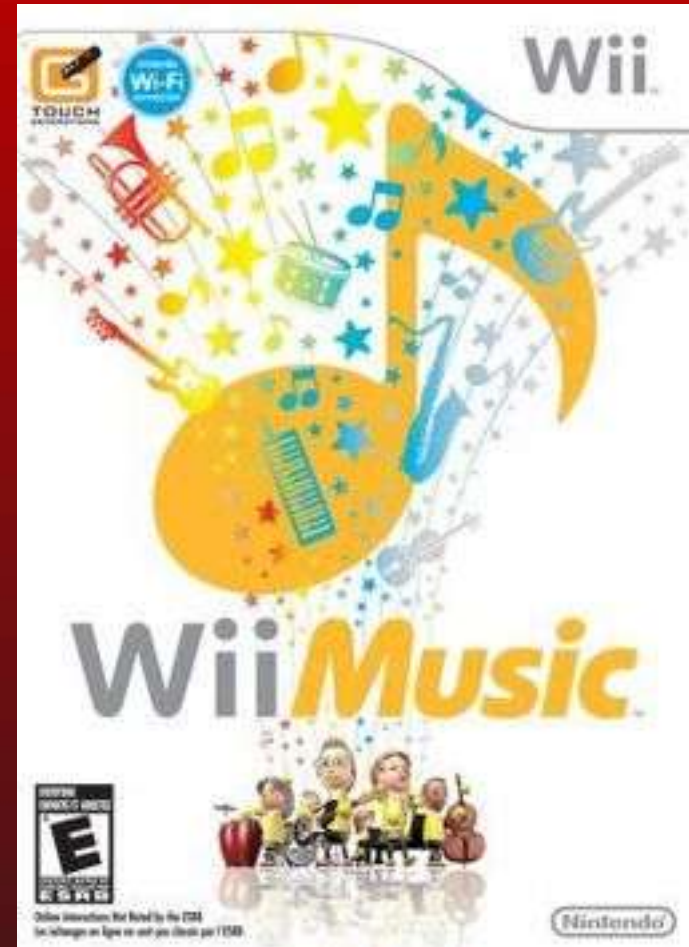
Allows children to create, explore instruments, and have fun at the same time.

Teaches the importance of rhythm and pitch through games and activities

Video Links:

[Wii Music In General Music Class pt 1](#)

[Wii Music In General Music Class pt 2](#)



[WII MUSIC DEMO](#)

Teaching Music Through Video Games

More of this type of software is coming soon.

The Guitar Hero and Rock Band franchises are considering adding support for real instruments in future versions!

Major organizations are starting to get behind the idea of online music creation and instruction:

The Berlin Philharmonic - [Cello Hero!](#)

The Computer In Your Pocket



- x Tuner
- x Metronome
- x Theory Tutor
- x Portable Recorder
- x Fingering Chart
- x Web Browser
- x Portable Musical Instrument
- x And Even A Phone!

The Computer In The Cloud

All software stored online

- x Running on remote servers
- x Sent to client computer over Internet
- x Already being done with high end video games

The Computer of the Future?



<http://cultofmac.com/mac-air-tablet-mockup-from-isamu-sanada/1952>

Any Questions?

