Music education is beneficial for the development of human beings.
Introduction

Learning music teaches people many skills, such as the ability to pursue good quality work.
Learning music teaches people many skills, such as the ability to be persistent towards reaching a goal.
Introduction

Learning music teaches people many skills, such as the ability

- to express oneself
Introduction

Learning music teaches people many skills, such as the ability

➢ to communicate with diverse people
Many responsibilities in their daily lives other than playing, teaching, or learning music
Introduction

- When do they have time for developing and keeping up with musical skills?
Background

- The increased number of handheld users
- Development of handheld devices
The years 2006 to 2008

- The introduction of the first iPhone in 2007
- iPhone 3G in July in 2008
Literature Review

- Effectiveness of the use of handhelds in education
- Effectiveness in music education
Music related tools or programs on handhelds

- Ear training tools
- Programs for identifying music chords
- Virtual keyboards
- Metronomes
- Tuners
- Recorders, etc.
What if?

- A music population who has many responsibilities in their daily lives
- If they could use a handheld device to learn music while being mobile?
Purpose

- To gauge a music population’s awareness
  - Music tools or programs on handhelds
Purpose

- What kind of instructive information could be useful
Instructive Information

- Informative
- Instructional
Project Description

- Needs Assessment
  - Awareness or knowledge levels
  - If interested in looking at instructive information
  - What needs to happen regarding instructive information
Population

- The first group of participants
  - High school students and their teacher
  - Computer Basics
The second group of participants
- Community college students and their teachers
- Studio Production 1
- History of the Recording Industry
Population

- The third group of participants
  - Graduates from higher education institutions
  - Had worked in a company
  - Deals with a lot of technology
Population

- Live on O‘ahu
- Were familiar with technology and music
- Many of them were potential music educators
Procedure

- 21 participants
- Questionnaire for all
- 2 volunteers for individual interviews
Questionnaire

- About You
- Handhelds and You
- Insight
Results

- Ages ranged from 16 to 56
- 76% --- had a handheld device
Results

- Awareness or knowledge levels
  - 52% --- HEARD about such tools or programs
  - 29% --- USED such tools or programs
Results

- 76% --- would help them learn music
- 67% --- would like to look at instructive information
Needs Assessment

- Based on majority of opinions
What Is

- Many of them
  - Had a handheld
  - Were aware of such tools or programs
What Is

- Many of them
  - Such tools or programs were not utilized on a regular basis
  - Not much instructive information
What Should Be

- Handheld devices should serve as convenient tools
  - Increase the frequency of musical practice
  - Help with retrieving, inputting, and searching for information
What Should Be

- Utilize tools or programs to maximize their learning time
What Should Be

More information should be available

- Format or medium which is accessible
  - Web pages
  - Multimedia
  - Interactive materials
  - Videos
What Should Be

• More information should be available
   Three facets
   Technical aspects
   Availability of the kinds of tools or programs
   Contents of tools and programs
What Should Be

- More information should be available
  - Showing examples of how others have utilized such tools or programs for music education
Gap

- No sufficient amount of instructive information
  - Utilization is difficult to discover
Conclusions

- Substantial information should become more widely available
- http://www.yukipage.net
End Product

Handhelds for Music Education

Created by Yuki Horikiri

Music education is beneficial for the development of human beings. Learning music teaches people many skills, such as the ability to pursue good quality work, the ability to be persistent towards reaching a goal, the ability to express oneself, and to communicate with diverse people. However, when people become adults, they tend to have many things to do in their lives, and have little time for developing or keeping up such musical skills. What if they could use handy tools and could take those anywhere? Would the opportunity to learn music while being mobile help?

In 2008, “Handhelds for Music Education,” a master’s project in Educational Technology at The University of Hawai’i at Mānoa, was begun by Yuki Horikiri. The project was completed in March 2009.

The purpose of the project was to gauge a music population’s awareness of music tools or applications on handhelds which could be useful for music education, and also to gauge what kind of instructive information about the use of such tools or applications could be useful for this group.

A needs assessment was conducted employing three groups of participants in the project. The first group of participants was high school students and their teacher in a course called Computer Basics. The second group of participants was community college students and their teachers. The teachers had taught either one of the courses called Studio Production 1 or History of The Recording Industry, and their students had taken either one of the two courses or both. The third group of participants was graduates from higher education institutions who had worked in a company which deals a lot with technology, such as computers, studio equipment, and so on.
Thank you