



A new world of Instruments and Diversity

**WRITING MUSIC THAT USES INSTRUMENTS DESIGNED FOR SPECIAL
NEEDS STUDENTS AKA STUDENTS WITH EXCEPTIONALITIES**

Background Information

- ▶ **I WORKED AS A CAREGIVER SERVING ADULTS WITH SEVERE COGNITIVE AND PHYSICAL DISABILITIES**
- ▶ **MY AUNT HAS A COGNITIVE DISABILITY AND SINGS IN A CHOIR**
 - ▶ **SOME OF MY CLIENTS SANG WITH THE CHOIR**
 - ▶ **BENEFITS OF CHOIR**
- ▶ **SINCE THE EDUCATION FOR ALL “HANDICAPPED” CHILDREN 1975 ACT- ALL STUDENTS REGARDLESS OF DISABILITY HAVE THE RIGHT TO FREE AND APPROPRIATE EDUCATION**
 - ▶ **IDEA- 2004 ACT- EMPHASIZED EDUCATIONAL OUTCOMES AND REQUIRES ALL STUDENTS TO BE PLACED IN LEAST RESTRICTIVE ENVIRONMENT TYPICALLY WITH THEIR PEERS (PEERS SET A GOOD EXAMPLE AND CAN HELP STUDENTS WITH DISABILITIES GAIN SOCIAL SKILLS)**
- ▶ **IN MY EXPERIENCE, THERE WERE NO STUDENTS THAT PLAYED IN BAND. SO, I FELT MOTIVATED TO ADVOCATE FOR STUDENTS WITH DISABILITIES**

Singing Their Hearts Out



Four Instruments that can be used in ensembles

- ▶ **THE MAGIC FLUTE**
- ▶ **JAMBOXX**
- ▶ **THE SKOOG**
- ▶ **SOUNDBEAM- MY FAVORITE**



The Magic Flute

HOW DOES THIS WORK?

**CONTROL MODULE- CHANGE SETTINGS I.E.
SCALE INSTRUMENT, & 128 DIFFERENT
PROGRAMMABLE INSTRUMENTS**

**WRITTEN SHEET MUSIC & IMPROVISATION
IMPROVISING= PROGRAMMING CONTROL
MODULE TO SCALE I.E. BLUES SCALE, MINOR
SCALE...**



Jamblox



**COMBO OF MAGIC FLUTE & HARMONICA
(NOTES ARE DISTINGUISHED BY LATERAL
MOVEMENT)**

**INSTRUMENT IS CAPABLE OF DYNAMICS
BASED ON BREATH PRESSURE**

The Skaag



- **HOW DOES IT WORK!?**
- **ASSIGN INSTRUMENTS TO EACH COLOR THROUGH IPAD APP**
 - **APP IS COMPATIBLE W/GARAGE BAND**
 - **SETTINGS CAN BE CHANGED THROUGH APP**
- **CONNECTS TO APP WIRELESSLY THROUGH BLUETOOTH**
- **\$599**

Soundbeam



HOW DOES IT WORK?

TRANSFORMS MOTION INTO SOUND

MOTION DETECTOR SENDS INFORMATION TO A DEVICE THAT TRANSFORMS MOTION INTO SOUND

DEVICE CAN BE PROGRAMMED TO PLAY DIFFERENT INSTRUMENTS AND EVEN BACKUP TRACKS



Other Useful Information

- ▶ <https://guthman.gatech.edu/about>
- ▶ <https://sites.google.com/site/exceptionalitiessrig/home/resources/adaptive-instruments>
- ▶ <http://www.westmusic.com/blogs/adaptive-instrument-ideas.aspx>
- ▶ <http://teachinglearnerswithmultipleneeds.blogspot.com/2007/12/adaptive-music-links.html>

How to write for Inclusive Ensembles

THERE IS NOT A LOT OF RESEARCH ON THE BEST WAYS TO WRITE FOR AN INCLUSIVE ENSEMBLE AND ADAPTIVE INSTRUMENTS

WHAT ARE YOUR THOUGHTS? DISCUSS!

HOW WOULD YOU WRITE FOR AN ENSEMBLE THAT INCLUDES A STUDENT WHO CAN READ STANDARD MUSIC NOTATION, BUT CANNOT PLAY A TRADITIONAL MUSIC INSTRUMENT?

HOW WOULD YOU WRITE FOR AN ENSEMBLE THAT INCLUDES A STUDENT WHO CANNOT READ STANDARD MUSIC NOTATION AND ARE UNABLE TO PLAY A TRADITIONAL INSTRUMENT? WHAT ABOUT MULTIPLE STUDENTS?

HOW CAN YOU STILL GET YOUR POINT ACROSS USING IMPROVISATION