Making Music Resource List - ACM 2019

Books

- **Bart Hopkin**- A number of books on making instruments, from DIY projects to more sophisticated instruments design.
  - *Musical Instrument Design: Practical Information for Instrument Design*
  - *Making Musical Instruments with Kids 67 Easy Projects for Adults Working with Children*
  - *Getting a Bigger Sound Pickups & Microphones for Your Musical Instrument*
- **Making Things Talk** (Maker)- DIY sound projects using sensors and microcontrollers.
- **Eyewitness: Music**- Good visual book on musical instruments and the science of music
- **Musical Instruments of the World**- Visual encyclopedia of musical instruments and instrument families
- **Handmade Electronic Music**- DIY project book for experimental music

Software

- **Propellerhead's Reason** (Window, Mac)- Digital Audio Workstation with loads of synths, samplers, drum machines, and effect built it.
- **Ableton LIVE** (Window, Mac)- Digital Audio Workstation and looping software with customizable instruments and effect.
- **Garage Band** (free on Mac)- easy, great sound source, limited MIDI control though
- **Cycling 74's Max** (Window, Mac)- A multimedia programming environment.
- **Touch OSC**- (iOS, Android)- Create customizable controls on a tablet to control music and video software.

Hardware

- **Theremi**- digital theremin with many different sounds and programmable scales.
- **Push Controller**- Push button matrix controller that talks to software, meant specifically for use with Ableton LIVE
- **Sound Boards**- small, cost effective ways to add sound to a project.
  - **Adafruit**- They have a series of different sound boards.
  - **Sparkfun**- especially Tsunami, a polyphonic sound board.
Instruments and AV Equipment

- **Crutchfield** - Great place for speakers, amplifiers, etc. Very helpful customer service.
- **Parts Express** - Speakers, amps, etc.
- **Steve Weiss Music** - mostly drums and percussion.

Sound Control

- [https://acousticalsolutions.com/ceiling-sound-baffles/](https://acousticalsolutions.com/ceiling-sound-baffles/)

Local Resources

- Musicians
- Music shops
- Music teachers/music schools
- Music departments of colleges and universities

Presenter's emails:

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Instrument selection checklist - ACM 2019

Look for instruments that are:

● Durable
● Replaceable
● Easy to make music on
● Don’t involve saliva
● Sized right for your audience
● Maintainable
● High quality

Ask yourself

● How will it be mounted?
● How will adjustments be limited?
● How much maintenance will it take and who will maintain it?
● How much can it be modified and still feel authentic?