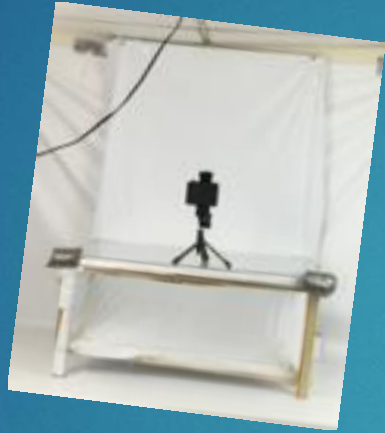


Makerspace on a Budget



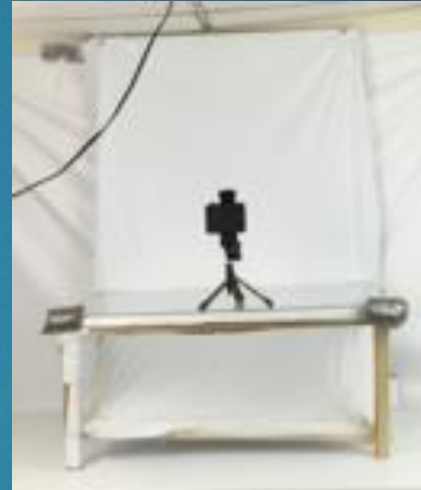
Makerspace is about MAKING

- ▶ Photography
- ▶ Video Production
- ▶ Audio Recording
- ▶ Using Hand Tools
- ▶ Button Makers
- ▶ Ellison Dies

Photography DIY

Build a “Light Box”

- ▶ Build a “Light Box”
 - ▶ Rectangle of Lucite
 - ▶ White vinyl 2x2 posts
 - ▶ Small White Window Shade
 - ▶ 90 Degree Angle Irons
 - ▶ Box of Phillips Pan Head Screws
 - ▶ Thin Drill Bit for Pilot Holes



Photography Camera Alternative

- ▶ iPod 5th Generation 16gb, iPad Mini or comparable Android Device
 - ▶ Ability to take photos and panoramic photos
 - ▶ Ability to take slo-motion, time lapse
 - ▶ Direct connectivity to the web for photo sharing and hosting
 - ▶ High resolution camera
 - ▶ Access to many apps for editing



Large Photo Studio

- ▶ White Window Shade from Home Depot \$22.00
- ▶ Rectangular Table (tables used for programming)
- ▶ Lighting
 - ▶ Amazon has great deals on lighting
 - ▶ Limo Studio Studio Light Kit w/Green Screen \$158.00
 - ▶ Lighting without backdrop is approximately \$119.00
- ▶ Tripod with smartphone or iPad attachment



Apps for Editing Photos

- ▶ ProCam \$4.99
- ▶ Photoshop FREE
- ▶ Color Splash \$0.99
- ▶ Camera + \$2.99



Video Editing Apps

- ▶ Greenscreen Studio \$4.99
- ▶ Veescape Full \$2.99
- ▶ Dolink \$2.99
- ▶ iMovie (Mac and IOS) \$4.99
- ▶ Splice Free
- ▶ Many other apps available

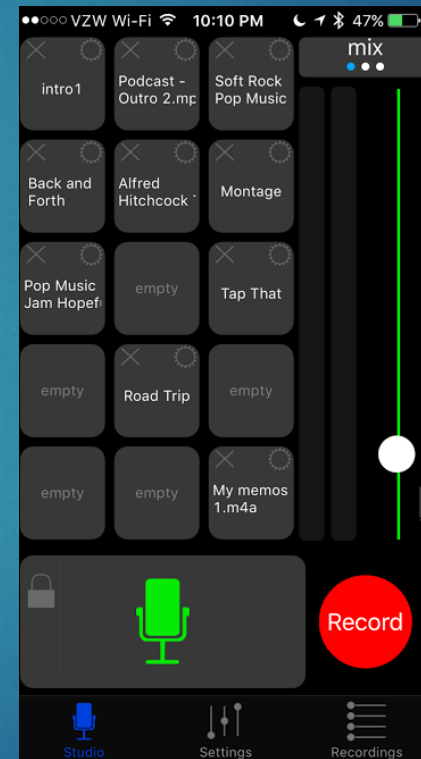
Audio Recording

- ▶ Recording audio can be done on a PC, Mac, iPod/iPad/iPhone and comparable Android devices
 - ▶ USB Microphone \$50-\$110 (Blue Yeti)
 - ▶ Powered USB hub (\$8.00)
 - ▶ Adaptor from USB to Lightning connector or Micro USB
 - ▶ App to record audio



Audio Recording Apps

- ▶ Garageband (IOS) \$4.99
- ▶ Studio HD \$9.99
- ▶ BossJock \$9.99
- ▶ Studio Mini XL \$9.99
- ▶ Amplitube \$19.99
- ▶ Studio Track \$9.99



Hand Tools Essential “MAKING”

- ▶ Complete set of hand tools (\$150 Harbor Freight)
- ▶ Cordless Drill (\$16.00)
- ▶ Flush cut hand saw (\$8.00)
- ▶ Compass saw (\$7.00)
- ▶ Wood kits from craft stores



Making with Items Already at the Library

- ▶ Dry Erase Boards
- ▶ Ellison Dies
- ▶ Button Maker
- ▶ Cardboard Crafts
- ▶ Broken Computers
- ▶ Cardboard Boxes
- ▶ Look around, see what is available at your library

Where does the Makerspace Go?

Repurposing Space

- ▶ Library landscapes are changing Space is always at a premium, but with some thought you can find some space
 - ▶ What areas are being underutilized
 - ▶ Does your library still have a Reference collection that is not used?
 - ▶ Does your library have wasted space?
 - ▶ Does your library have space have a corner that has a lonely chair?
 - ▶ Does your library have a board room that is only used for board meetings?
 - ▶ Repurpose/restructure a computer lab

Use Your Imagination

- ▶ Much of Makerspace can be done without large cost
- ▶ DIY projects can save the library money
- ▶ DIY with patrons to make for the makerspace
- ▶ Find some room somewhere