

# Reference Resources

Electronics and Robotics course - Udemy

<https://www.udemy.com/course/analog-electronics-robotics-learn-by-building/>

Afrotechmods condenser mic project

<https://www.youtube.com/watch?v=TOB1V1LBgJE>

Pull up and pull down resistors

<https://www.youtube.com/watch?v=5vnW4U5Vj0k>

An amplifier using a transistor, that I got working.

<https://www.youtube.com/watch?v=F21lvqMFglw>

Great Scott amplifier with mic tutorial

<https://www.youtube.com/watch?v=7Ao6KD8f9J4>

Audio amplifier with bass boost

[https://www.youtube.com/watch?v=ZOuZWE\\_tfgQ](https://www.youtube.com/watch?v=ZOuZWE_tfgQ)

How deaf people hear music

<https://assistivetechologyblog.com/2016/06/can-deaf-people-hear-music-answer-yes.html>

Base Boost - LM386

<https://www.circuitbasics.com/build-a-great-sounding-audio-amplifier-with-bass-boost-from-the-lm386/>

Low pass filter - Afrotechmods

[https://www.youtube.com/watch?v=OBM5T5\\_kgdI](https://www.youtube.com/watch?v=OBM5T5_kgdI)

How to use vero board

<https://www.instructables.com/Practical-Circuit-Construction-With-Strip-Board/>

How deaf people experience music

<https://www.youtube.com/watch?v=dwqSuvFzDdI>

Without the device, he writes, choreography is harder—he has to rely on memorizing the beat and repeating the counts over and over.

<https://www.kqed.org/futureofyou/219070/for-deaf-tactile-sound-system-takes-music-beyond-the-vibe>

Afrotechmods - What is an op amp? Operational Amplifier tutorial & super spy microphone circuit

<https://www.youtube.com/watch?v=TQB1V1LBgJE>

Blue LED Dies Rapidly on 9v Battery but OK on CR2032 Lithium Coin Cell

<https://www.youtube.com/watch?v=7IoyYj6BJlc>

Haberdashery Elastic

[https://www.takealot.com/bulk-pack-x-5-haberdashery-elastic-10mm-x200m-white/PLID52540940?gclid=Cj0KCQjwpdqDBhCSARIsAEUJ0hPt\\_wupmh5gcIJ0NGv\\_n1hd1iepg4iXM3cU1X4hEZZbjPP-6tt3uZQaAru2EALw\\_wcB&gclid=aw.ds](https://www.takealot.com/bulk-pack-x-5-haberdashery-elastic-10mm-x200m-white/PLID52540940?gclid=Cj0KCQjwpdqDBhCSARIsAEUJ0hPt_wupmh5gcIJ0NGv_n1hd1iepg4iXM3cU1X4hEZZbjPP-6tt3uZQaAru2EALw_wcB&gclid=aw.ds)

10 Soldering Tips to Instantly Improve Your Soldering Skills

<https://www.youtube.com/watch?v=FTYDSCUUDSQ>

Wood enclosures

<https://www.ponoko.com/blog/how-to-make/making-enclosures-for-electronics-with-ponoko/>

The Graphic Design Principles And Elements Every Maker Should Know

<https://www.ponoko.com/blog/how-to-make/graphic-design-principles-and-elements-guide/>

Origami Multicolour Box - How to Tutorial

<https://www.youtube.com/watch?v=hdMgCDXL50g>

What is frequency?

<https://www.youtube.com/watch?v=Axx8WfxQDkk>

Afrotechmods - How to make an LM386 audio amplifier circuit

[https://www.youtube.com/watch?v=40bzEft2R\\_g](https://www.youtube.com/watch?v=40bzEft2R_g)

4 Music Reactive LEDs Circuits|| MIC/AUX Cable/Speaker

<https://www.youtube.com/watch?v=-A9ZGwmjEHk>

How to Make Your Own Aux Cable

<https://www.wikihow.com/Make-Your-Own-Aux-Cable>

How to Wire a 3.5mm Stereo Audio Plug : Audio Tips

<https://www.youtube.com/watch?v=AGd0myGFgkM>

Practical Circuit Construction With Strip Board

<https://www.instructables.com/Practical-Circuit-Construction-With-Strip-Board/>

Math and Science youtube  
Electric circuit tutorials

[https://www.youtube.com/watch?v=0Ga\\_b26eK2c](https://www.youtube.com/watch?v=0Ga_b26eK2c)

Soldering Crash Course: Basic Techniques, Tips and Advice!

<https://www.youtube.com/watch?v=6rmErwU5E-k>

BC547 Transistor Explanation

<https://components101.com/transistors/bc547-transistor-pinout-datasheet#:~:text=BC547%20is%20a%20NPN%20transistor,amplification%20capacity%20of%20the%20transistor.>

how to make Vibration Motor at home

<https://www.youtube.com/watch?v=9CSkCuzNeUI>

Haptic Headband

<https://www.youtube.com/watch?v=xD7bfBx5D9M>

Buzzing Mindfulness Bracelet

<https://learn.adafruit.com/buzzing-mindfulness-bracelet/overview>

Coin Vibration Motors

<https://www.precisionmicrodrives.com/vibration-motors/coin-vibration-motors/>

Brand new soldering iron tip turns black, solder won't stick

<https://electronics.stackexchange.com/questions/204026/brand-new-soldering-iron-tip-turns-black-solder-wont-stick>

10 STUPID ERRORS To AVOID in Soldering and TIPS

<https://www.youtube.com/watch?v=Fp37DPZVdRI>

How to Remove Oxidation from Your Solder Tips

<http://blog.okinternational.com/metcal/how-to-remove-oxidation-from-your-solder-tips>

How Do Deaf People Listen To Music? (American Sign Language Vlog)

Rikki Poynter youtube

<https://www.youtube.com/watch?v=nKrHhq0Q5mw>

Z Tutorial - How to Strip Speaker Wire and Use it

<https://www.youtube.com/watch?v=WEimPBW37IA>

Earphone to AUX cable make || Reuse || simple Tricks

<https://www.youtube.com/watch?v=1Cy00FUe35w>

HOW TO HACK A HEADPHONE JACK

How to strip and connect a headphone jack into your circuit.

<https://www.circuitbasics.com/how-to-hack-a-headphone-jack/>

BASS BOOSTED 🔊 SONGS FOR CAR 2021 🔊 CAR BASS MUSIC 2021 🔥 BEST EDM, BOUNCE, ELECTRO HOUSE 2021

[https://www.youtube.com/watch?v=Sa9o\\_f\\_s-kk](https://www.youtube.com/watch?v=Sa9o_f_s-kk)

Draw Circuit and Electrical Diagrams with Inkscape [Free and Open Source Software]

<https://www.youtube.com/watch?v=kX0vHJ7pRko>

Wearable tech

Hugshirt

<https://shop.cutecircuit.com/products/the-hugshirt>

Soundshirt

<https://cutecircuit.com/soundshirt/>

Making Games Better for the Deaf and Hard of Hearing | Designing for Disability

Game Maker's Toolkit

<https://www.youtube.com/watch?v=4NGe4dzlukc>

How to select a transistor ??

Explains the different types of transistors and their characteristics.

There is a Mosfet transistor that has a built in diode already.

Foolish Engineer

<https://www.youtube.com/watch?v=WYxP8-N9c24>

Bach, "Little" Fugue in G minor, Organ

smalin

<https://www.youtube.com/watch?v=ddbxFi3-U04>

Vibrotactile system by the University of Liverpool

Blog post

<https://www.musicalvibrations.com/music-and-d-deaf-people/>

Description of the system

<http://www.musicalvibrations.com/whatismusvib/>