

PhD skills training on Digital Source Criticism

Aid - Assignment B_Webresources to consult while creating sketches

SOUND

In the following lecture the expert in physics from the Khan Academy David Santo Pietro, explains how each sound has a specific set of properties that can be measured.

<https://www.youtube.com/watch?v=-xZZt99MzY&feature=youtu.be>

In this lecture Yale professor Brian Scholl explains how the ear functions and how age affects your hearing capacity. The lecture includes a hearing test.

<https://www.youtube.com/watch?v=sZHWY1KBHwc&feature=youtu.be>

A tutorial on air pressure sound wave concepts:

<https://www.youtube.com/watch?v=jXSaEnM3wWg>

Interactive scheme of how magnetic recording works:

<http://hyperphysics.phy-astr.gsu.edu/hbase/Audio/tape.html#c3>

History of electroacoustic music

<http://www.personal.psu.edu/meb26/INART55/pre1900.html>

VISION

In the following lecture medical scientist of the Irvine University of California Ronald Sayouni explains how our biological system of vision functions:

<https://www.youtube.com/watch?v=3m-464MqBJY&feature=youtu.be>

This short video explains many of the properties of light and how they relate to lens manufacturing.

https://www.youtube.com/watch?v=yXaFC2Hko_E

WAVES

To get a better understanding of the various kinds of waves in the electromagnetic spectrum:

<https://smd-prod.s3.amazonaws.com/science-blue/s3fs-public/thumbnails/image/EMS-Introduction.jpeg>

DIGITIZATION

Animation created by school TV about how information is transferred through digits:

<https://schooltv.nl/video/digitale-informatie-nullen-en-enen/#q=computer>

The six physical forms of digital. data

https://www.youtube.com/watch?v=GZE7Zfra-Vk&feature=youtu.be&list=PLK-TnnP2eDKhLighO8pk3OI_AOLi6zvJ0 <https://youtu.be/GZE7>

ELECTRICITY

This explains the phenomena of a form of energy composed of electrons that flows through conductive materials in basic manifestations:

Alternating (AC) and direct (DC) current.

<https://www.youtube.com/watch?v=vFsmuAejl84>

[Zfra-Vk?list=PLK-TnnP2eDKhLighO8pk3OI_AOLi6zvJ0](https://www.youtube.com/watch?v=vFsmuAejl84&list=PLK-TnnP2eDKhLighO8pk3OI_AOLi6zvJ0) https://youtu.be/GZE7Zfra-Vk?list=PLK-TnnP2eDKhLighO8pk3OI_AOLi6zvJ0

SCANNER

<http://web.mit.edu/2.972/www/reports/scanner/scanner.html>

<https://computer.howstuffworks.com/scanner.htm>