



Basic Electricity – Unit One: Safety

Study Guide

In order to successfully complete this unit, complete the following tasks:

1. Review the course structure.
2. Watch: <https://www.youtube.com/watch?v=YbO2wLLwrPM>
Title: High Voltage Arc Safety
Author: EdisonTechCenter
3. Watch: <https://www.youtube.com/watch?v=8xONZcBJh5A>
Title: It's not the volts that kill you, it's the amps
Author: Afrotechmods
4. Review the images of electrical safety equipment by following the link below, or by entering “Electrical safety equipment” into an image web search.
https://www.google.com/search?q=Electrical+safety+equipment&rlz=1C1GIGM_enUS564US567&es_sm=93&tbm=isch&tbo=u&source=univ&sa=X&ved=0CEoQsARqFQoTCP6okK7778cCFQoWPgod9eQCkQ&biw=1164&bih=581
5. Read the Electrical Safety PPT from OSHA by copying and pasting the link below into your browser:
www.oshainfo.gatech.edu/ppt/ElecSafety-Gen.ppt
6. Review the OSHA Electrical Safety Standards at:
<https://www.nonprofitrisk.org/tools/workplace-safety/public-sector/topics/el/OSHAchk-ps.htm>
7. Watch: <https://www.youtube.com/watch?v=hp97GjuULX8>
Title: The Pain of Electricity (AC versus DC)
Author: ElectroBOOM
8. Watch: <https://www.youtube.com/watch?v=MMzU66IHe-k>
Title: Electricity Pain versus Frequency
Author: ElectroBOOM
9. Watch: <https://www.youtube.com/watch?v=XDf2nhfxVzg>
Title: Which is the Killer, Current or Voltage?
Author: ElectroBOOM
10. Watch: <https://www.youtube.com/watch?v=snk3C4m44SY>
Title: High Voltage AC/DC Effect on Human Body
Author: ElectroBOOM
11. Complete Safety Worksheets 1-3 (pdf) and submit to lab instructor.





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