

Videos:

Electric Circuits: Basics of the voltage and current laws

https://www.youtube.com/watch?v=m4jzgqZu-4s&index=2&list=PLIbY_IQNK4czTVJ_h7vA_F9vM1ZzYfwUK

What is a resistor

<https://www.youtube.com/watch?v=Gc1wVdbVIOE>

Capacitors

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

Capacitor charging

<https://www.youtube.com/watch?v=lvFVu7Jxa2I>

Capacitor discharging

<https://www.youtube.com/watch?v=5D2cLj28Pc8>

Inductor basics - What is an inductor

<https://www.youtube.com/watch?v=VSMGnmQApA0>

Inductors and Inductance

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

Atomic energy levels

https://www.youtube.com/watch?v=tIAiM2QSiBg&list=PLIbY_IQNK4cw_PM_kuFnJ3XiQuU8_0-GS&index=1

Ionic and covalent bonding animation

https://www.youtube.com/watch?v=QgjcCvzWwww&index=2&list=PLIbY_IQNK4cw_PM_kuFnJ3XiQuU8_0-GS

The PN Junction. How Diodes Work?

<https://www.youtube.com/watch?v=JBtEckh3L9Q>

Transistor, How does it work ?

https://www.youtube.com/watch?v=7ukDKVHnac4&list=PLIbY_IQNK4cw_PM_kuFnJ3XiQuU8_0-GS&index=4

MOSFET

https://www.youtube.com/watch?v=tz62t-q_KEc