**Online Materials are provided for the help of understanding more clear idea of physics**

* **Chapter-22**
* ***The heat energy and 2nd law of thermodynamics***

<https://www.youtube.com/watch?v=lj5tqM5GZnQ>

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

* Short Videos:

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

<https://www.youtube.com/watch?v=HOQSAjc37Y8>

<https://www.youtube.com/watch?v=4nPGS8xgzKw>

Carnot Engine:

<https://www.youtube.com/watch?v=kJlmRT4E6R0>

Entropy:

<https://www.youtube.com/watch?v=CgppGozbFd4>

<https://www.youtube.com/watch?v=26_GN-uL4Jc>

* Documentary:

Entropy & end of universe

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

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

* **Chapter-23**
* ***The Electricity& Magnetism***
* Lectures: MIT Walter Lewin

<https://www.youtube.com/watch?v=Lx64cq0HeXY>

<https://www.youtube.com/watch?v=JSa7_pEVdpA>

Prof. Donald

<https://www.youtube.com/watch?v=yQuNvqbH6ac>

* Short videos:

<https://www.youtube.com/watch?v=20Vb6hlLQSg>

<https://www.youtube.com/watch?v=d_aTC0iKO68>

Coulomb’s law

<https://www.youtube.com/watch?v=mr-ApJ0SwpA>

<https://www.youtube.com/watch?v=mG5vyY1pPQ0>

Electric Field & lines:

<https://www.youtube.com/watch?v=9nlflkR8tvs>

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

Motion of charged particle in uniform E. field

<https://www.youtube.com/watch?v=1mi5_kh9cF4>

<https://www.youtube.com/watch?v=fwiKRis145E>

Documentary:

<https://www.youtube.com/watch?v=mGkU8cHHSMU>

<https://www.youtube.com/watch?v=5ZSDP5uZ86M>

<https://www.youtube.com/watch?v=K5oVRNfXoLM>