

Mr. Schneider presents...

Thermodynamics Topics

- Internal energy
- Systems
- 2 laws of thermodynamics (incl. all forms of 2nd law)
- Pressure vs. temperature of a gas
- Altitude vs. atmospheric temperature
- Adiabatic processes
- Air conditioners
- Heat engines
- Mechanical efficiency
- Carnot efficiency
- Entropy principle
- $Q = \Delta I KE + W$
- $\Delta T = -\Delta h \left(\frac{10^\circ \text{C}}{\text{km}} \right)$
- $\mathcal{E} = \frac{W_{out}}{E_{in}}$
- $\mathcal{E}_c = \frac{T_{hot} - T_{cold}}{T_{hot}}$