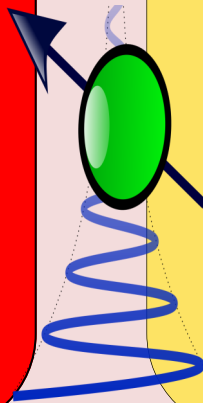




Overview: Final year of Physics Final Year of School here we go!

This year you will look at kinetic theory, circular motion, fields and space, Capacitance, Electric & Magnetic Fields, Radioactive Decay & finally Medical Physics

You will also complete the practical skill evidence collection to gain your Practical Endorsement



**Term 1:**

Kinetic theory , Circular motion, Fields & Space

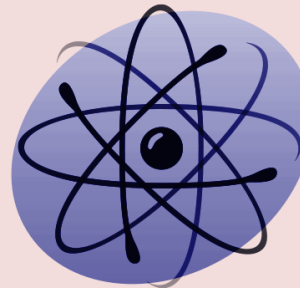
KT you learn about that laws that govern ideal gases

CM you look at angular velocity and acceleration and centripetal forces

F you look at gravitational fields and apply Netwn's laws and Kepler's laws to different situations

S you look closer at stars and energy levels with detail on astronomical distances and Hubble's law and the Big Bang

# Year 13 Physics



**Term 2:**

Capacitance, Electric & Magnetic Fields, Radioactive Decay & Medical Physics

C How they work in circuits and how the charge and discharge

E&MF Look at Coulomb's law and how charged particles behave in electric fields. How charged particles behave and Faraday's law and Lenz's law

RD We look at Rutherford's work and inside the atomic nucleus with modelling of radioactive decay. Students then study  $E=mc^2$ , fission and fusion.

MP X-Rays, CAT scans, Gamma Camera, PET scans, Ultrasound and Doppler imaging

**Term 3:**

Final Push....

Revision and Exams