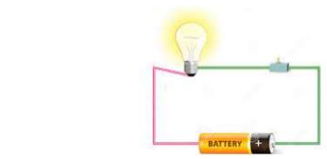
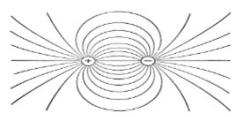




YEAR 11

Magnetism
How can we show the magnetic field of a magnet?



Electric circuits recap
How do series and parallel circuits differ?

Radioactivity
What is the half-life of a radioactive isotope?



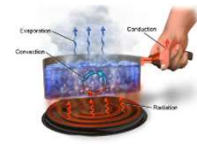
Electricity in the home
What's meant by A.C and D.C.?

Energy resources
How can we compare different renewable energy resources?



Energy transfer by heating
How can we calculate the energy needed to heat an object?

Required Practical: Specific heat capacity



Conservation and dissipation of energy
How is energy stored and transferred?

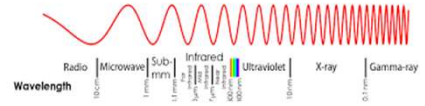


Molecules of matter
What is meant by density?

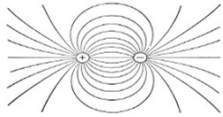
Required Practical: Density

YEAR 10





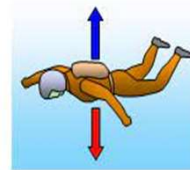
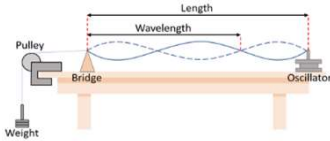
Electromagnetism
What is a magnetic field?



Electromagnetic spectrum
What are electromagnetic waves and how do they differ from soundwaves?
Required Practical: Infrared radiation

Wave properties
How do we measure waves and how fast do they travel?

Required Practical: Ripple Tank
Required Practical: Waves on a string



Forces in motion
What is terminal velocity and what can affect it?

Required Practical: Forces and acceleration
Required Practical: Extension of a spring

Motion
What can distance-time graphs tell me and how can I draw one?



YEAR 11

Forces in balance
How do we represent a force and what do we mean by resultant force?

