

The Orme Academy: Science Year 10

Learning Journey (Physics)

Your journey continues onto Year 11 Science

Nuclear fission

Uses of radioactivity

Half life

Nuclear equations

Types of Radiation

Atomic Theory

P4.5 Radiation

Circuit applications

Energy transfer in circuits

Electrical power

Resistance in components

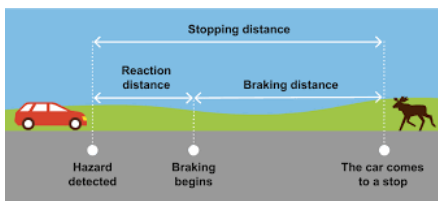
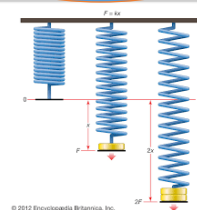
Resistance of a wire

Ohms law and resistance

P4.4 Electric circuits

Turning effects

Elasticity



Acceleration equations

Newton's 2nd Law

Stopping distance

Momentum (HT only)

Work done

Hooke's Law

Terminal velocity

Resultant vectors

P4.3 Movement

Renewable resources

Non-renewable resources

Efficiency



Power

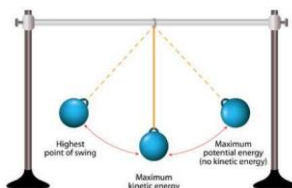
Conservation of energy

P4.2 Energy conservation

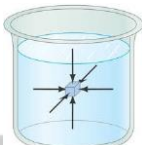
Kinetic energy

Elastic potential energy

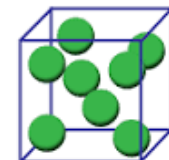
GPE



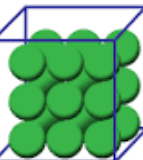
Pressure in fluids



Pressure



Gas pressure



Density

Your journey starts here!

P4.1 Matter