



Science - Physics

Key Stage 3 - Year 9

Term One	Term Two	Term Three
Energy <ul style="list-style-type: none">• Energy types & transformations• Sankey diagrams & conservation of energy• $P=W/t$ $P=E/t$ & Efficiency• Conduction, Convection & Radiation review• Reducing energy consumption in buildings• Energy Resources• National Grid	Particle Model of Matter <ul style="list-style-type: none">• Kinetic theory & Cooling by evaporation• Change of state & internal energy• Density• Specific heat capacity• Specific latent heat• Particle model and Pressure	Waves <ul style="list-style-type: none">• Waves introduction• Speed of sound in air• $v = f \times \lambda$ and $T=1/f$• Waves required practical• Reflection• Refraction