

Key Stage 3 Curriculum Overview

Year Group	Term 1	Term 2	Term 3
Year 7	<ul style="list-style-type: none"> • An introduction to Energy <ul style="list-style-type: none"> - energy stores and transfers - conservation of energy • Forces <ul style="list-style-type: none"> - effects of forces - balanced forces - springs 	<ul style="list-style-type: none"> • Forces and motion <ul style="list-style-type: none"> - unbalanced forces - speed, distance and time - relative velocity - drag - Newton's laws 	<ul style="list-style-type: none"> • Space <ul style="list-style-type: none"> - The Solar System - days and seasons - mass vs weight • Light and Sound <ul style="list-style-type: none"> - sounds and echoes - coloured light - reflection and refraction
Year 8	<ul style="list-style-type: none"> • Heating and Cooling <ul style="list-style-type: none"> - the particle model - temperature - conduction • Pressure <ul style="list-style-type: none"> - pressure from solids - pressure in fluids 	<ul style="list-style-type: none"> • Floating and Sinking <ul style="list-style-type: none"> - density - convection • Electricity <ul style="list-style-type: none"> - static - conductors and insulators - how circuits work 	<ul style="list-style-type: none"> • Waves and particles <ul style="list-style-type: none"> - longitudinal and transverse waves - superposition of waves • Magnetism <ul style="list-style-type: none"> - magnetic materials - magnetic fields - electromagnets
Year 9	<ul style="list-style-type: none"> • Energy transfers in everyday life <ul style="list-style-type: none"> - power and appliances - energy bills - energy resources - energy in food 	<ul style="list-style-type: none"> • Particle Model of Matter <ul style="list-style-type: none"> - density - internal energy - particles and pressure 	<ul style="list-style-type: none"> • Atomic Structure and Radioactivity <ul style="list-style-type: none"> - structure of the atom - radioactive decay - hazards and uses of radiation