



KEVI CAMP HILL SCHOOL FOR GIRLS



PHYSICS

CURRICULUM MAP (YEARS 7-11)

		AUTUMN TERM	SPRING TERM	SUMMER TERM
KEY STAGE 3	YEAR 7	<p>Physics is taught as part of KS3 Science</p> <p>Energy (including forms of energy, stored energy, cost, Sankey diagrams, energy from food, energy supplies).</p>	<p>Physics is taught as part of KS3 Science</p> <p>Electricity and Magnetism (including series and parallel circuits, conductors and insulators, static, magnets and electromagnets).</p>	<p>Physics is taught as part of KS3 Science</p> <p>Forces and Space (including resultant force, weight and mass, speed, distance time graphs, stars and galaxies, effects of the Earth's motion, satellites, phases of the moon and planets).</p>
	YEAR 8	<p>Physics is taught as part of KS3 Science</p> <p>Heating and Cooling (including change of state, internal energy, density, Brownian motion, work done, energy and temperature, conduction, convection and radiation, conductors and insulators, application).</p>	<p>Physics is taught as part of KS3 Science</p> <p>Light and Sound (Including properties of waves, sound systems, reflection, Energy of waves, the eye, refraction, transverse and longitudinal waves, Colour, Superposition).</p>	<p>Physics is taught as part of KS3 Science</p> <p>Forces (Including Friction and Streamlining, Freefall, Stretching, Pressure in solids and in fluids, Floating and Sinking and Moments).</p>
	YEAR 9	<p>Forms of energy</p> <p>Changes in energy</p> <p>Specific heat capacity</p> <p>Power</p>	<p>Energy transfers in the home</p> <p>National and global energy resources</p> <p>Changes of State</p>	<p>Density</p> <p>Internal Energy</p> <p>Particle model and pressure</p> <p>End of year exams</p>
KEY STAGE 4	YEAR 10	<p>Particle model and pressure</p> <p>Current Potential difference and resistance</p> <p>Series and Parallel circuits</p> <p>Mains Electricity</p> <p>Static electricity</p> <p>Power and Energy, National Grid</p>	<p>Atoms and Isotopes</p> <p>Atoms and radiation</p> <p>Hazards and uses of Radioactive emissions</p> <p>Fission and Fusion</p> <p>Forces and their interactions</p>	<p>Forces and elasticity</p> <p>Moments, levers and gears</p> <p>Pressure in a fluid</p> <p>End of year exams</p>
	YEAR 11	<p>Atmospheric pressure</p> <p>Motion along a straight line</p> <p>Forces, acceleration and Newton's laws</p> <p>Forces and braking</p> <p>Momentum</p> <p>Waves</p> <p>Mock exams</p>	<p>Waves</p> <p>EM Spectrum</p> <p>Lenses</p> <p>Black body radiation</p> <p>Electromagnets</p> <p>Motor effect</p> <p>Transformers and National Grid</p>	<p>Space</p> <p>Revision and Exam technique</p> <p>Final exams</p>