



KS3 Physics – Year 8

	Key content (knowledge)	Key skills	Assessments	Challenge and enrichment
Autumn half term 1	<p>Different types of waves and their properties.</p> <p>Sound waves and speed of sound.</p> <p>Loudness, amplitude, pitch and frequency.</p> <p>The ear and hearing</p>	<p>Recall of key definitions</p> <p>Interpreting graphs</p> <p>Making links</p> <p>Measuring and recording data</p>		<p>Research on different hearing problems.</p> <p>Rearranging equations.</p>
Autumn half term 2	<p>Light</p> <p>Reflection</p> <p>Refraction</p> <p>The eye</p> <p>Colour</p> <p>The electromagnetic spectrum</p>	<p>Measuring and recording results</p> <p>Observation</p> <p>Research</p> <p>Recall key information</p>	Waves topic test	<p>Exploring stage lighting and effects.</p> <p>Lesson: The role of the lighting designer KS3 Drama Oak National Academy (thenational.academy)</p> <p>Research into eye conditions.</p>

Spring half term 1	Forces: Friction and drag Squashing and stretching Pressure	Making links Measuring and recording data Drawing graphs Drawing conclusions from data		Planning investigations
Spring half term 2	Pressure Energy Work done Temperature	Using and rearranging equations. Linking concepts	Forces topic test	Investigating different temperature scales.
Summer half term 1	Conduction Convection Radiation Insulation	Recording observations Drawing conclusions Recall key information		Designing investigations.
Summer half term 2	Magnetic fields Electromagnets Uses of electromagnets	Following instructions Application of knowledge Drawing conclusions	End of year exams Electromagnets test	Newstead Science Expo competition.