

		<ul style="list-style-type: none"> - Lenses - Sound waves - Ultrasound - Seismic waves 	https://www.youtube.com/watch?v=q_CxKQC-zpg https://www.youtube.com/watch?v=dBFGjdgbpno https://www.youtube.com/watch?v=xpcX3B4xE7Q https://www.youtube.com/watch?v=JNp_-00-fxU https://www.youtube.com/watch?v=KnIualWf6Rs https://www.youtube.com/watch?v=je-qc7sxYzU https://www.youtube.com/watch?v=s9wZkP64rAc https://www.youtube.com/watch?v=8ixr2NQF9Dg https://www.youtube.com/watch?v=h4jvZ_zHKYY
	Forces	<ul style="list-style-type: none"> - Contact and non-contact forces - Weight, mass and gravity - Resultant force - Work done - Forces and elasticity/springs - Moments - Fluid pressure - Upthrust 	<p>GCSE textbook – pages 147-176</p> https://www.youtube.com/watch?v=1QYrxD2rHMg
Year 12	Circular Motion	<ul style="list-style-type: none"> - Circular motion - Centripetal force and acceleration 	AQA A Level Textbook – Pages 223-229
	Nuclear Physics	<ul style="list-style-type: none"> - Rutherford scattering - Measuring nuclear radius - Properties of nuclear radiation - Background radiation - Exponential decay - Half life - Nuclear decay 	Textbook – pages 361-391
	Thermal Physics	<ul style="list-style-type: none"> - Thermal energy transfer - The three gas laws 	Textbook - Pages 251-274

	Turning Points – Wave-Particle Duality	<ul style="list-style-type: none">- The ideal gas equation- Kinetic theory and the pressure of an ideal gas- Kinetic energy of gas molecules- Light – Newton vs Huygens- EM waves- Fizeau’s experiment- Hertz and radio waves- The UV catastrophe- The photoelectric effect- Wave-particle duality- Electron microscopes	Textbook – pages 574-591
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