



Network School AS Long Term Curriculum Plan

Subject – Mechanics 1				
Year Group	Term 1 (Aug – Oct)	Term 2 (Oct – Dec)	Term 3 (Jan – Mar)	Term 4 Mar – Jun)
Year 12 (AS Level)	<p><u>Chapter 1 – Forces and equilibrium</u> A – forces B – Resolving forces C – Adding forces D – Coefficient of friction</p> <p>Review / Topic tests</p> <p><u>Chapter 2 – Kinematics of motion in a straight line</u> A – The language of kinematics B – Equations of uniformly accelerated motion C – Vertical motion D – Displacement-time and velocity-time graphs E - Solving kinematics problems using differentiation and integration</p> <p>Review / Topic tests</p> <p><u>Chapter 3 – Momentum</u> A – Calculating the momentum</p>	<p><u>Chapter 4 – Newton’s laws of motion</u> A – Newton’s laws of motion B – Vertical motion C – Inclined planes D – connected particles E – Pulleys</p> <p>Review / Topic tests</p> <p><u>Chapter 5 – Energy, Work and Power</u> A – Work B – Kinetic energy and potential energy C – Conservation of energy D - Power</p> <p>Review / Topic tests</p>	<p><u>Revision</u></p> <p>Using worksheets – topic by topic</p> <p>Preparing for the mock exam</p> <p>Reviewing mock exam results.</p> <p>More revision – using past question papers</p>	<p>Final preparation for AS level exams</p>



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	B – Conservation of linear momentum C – Coalescing bodies Review / Topic tests			
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