

Revision (5–6 weeks from exam)

Session	Topic	Subtopic	Important lessons	Done
1	Unit 3: Area of Study 1	Fields and Interactions: Gravitational Fields	<u>Orbits, Kepler’s Laws</u>	<input type="checkbox"/>
		Fields and Interactions: Electric Fields	<u>Coulomb’s Laws, Work and Charge</u>	<input type="checkbox"/>
2		Fields and Interactions: Magnetic Fields	<u>Charged Particles in Magnetic Fields</u>	<input type="checkbox"/>
	Unit 3: Area of Study 2	Application of Electromagnetism	<u>DC Motors</u>	<input type="checkbox"/>
		Generation of Electricity	<u>Lenz’s Law</u>	<input type="checkbox"/>
3		Transmission of Electricity	<u>Introduction to Transformers</u>	<input type="checkbox"/>
	Unit 3: Area of Study 3	Newton’s Laws of Motion	<u>Investigating Motion on Inclined Planes</u>	<input type="checkbox"/>
4		Circular Motion	<u>Centripetal Acceleration and Force, Horizontal Circular Motion, Vertical Circular Motion</u>	<input type="checkbox"/>
5		Projectile Motion	<u>Projectile Motion Relationships, Projectile Motion Examples (Part 1 and Part 2)</u>	<input type="checkbox"/>
	Unit 3: Area of Study 4	Energy and Work	<u>Hooke’s Law</u>	<input type="checkbox"/>
6		Momentum and Impulse	<u>Conservation of Momentum, Elastic and Inelastic Collisions</u>	<input type="checkbox"/>
		Einstein’s Theory of Special Relativity	<u>Inertial Frames of Reference, Length Contraction, Time Dilation, Mass-Energy Equivalence and Special Relativity</u>	<input type="checkbox"/>
7	Unit 4: Area of Study 1	Properties of Mechanical Waves	<u>Introduction to Superposition</u>	<input type="checkbox"/>
		Light as a Wave	<u>Refraction of Light, Total Internal Reflection, Young’s Double Slit Experiment</u>	<input type="checkbox"/>
8		Light as a Particle	<u>Evidence Suggesting a New Model of Light, The Photoelectric Effect (Part 1 and Part 2)</u>	<input type="checkbox"/>
	Unit 4: Area of Study 2	Quantum Effects	<u>Line Spectra and Electron Energy Levels</u>	<input type="checkbox"/>

Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
1	Unit 3: Area of Study 1	Fields and Interactions: Gravitational Fields	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Fields and Interactions: Electric Fields	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
2	Unit 3: Area of Study 2	Fields and Interactions: Magnetic Fields	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Application of Electromagnetism	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Generation of Electricity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
3	Unit 3: Area of Study 3	Transmission of Electricity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Newton’s Laws of Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
4		Circular Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
5		Projectile Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Energy and Work	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
6		Momentum and Impulse	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Einstein’s Theory of Special Relativity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
7	Unit 4: Area of Study 1	Properties of Mechanical Waves	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Light as a Wave	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
8		Light as a Particle	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Quantum Effects	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>