

Revision (5–6 weeks from exam)

Session	Topic	Subtopic	Important lessons	Done
1	Gravity and Motion	Introduction to Gravity	<u>Newton’s Law of Gravitation</u> , <u>Investigating Motion on Inclined Planes</u>	<input type="checkbox"/>
		Projectile Motion	<u>Projectile Motion Relationships</u> , <u>Projectile Motion Examples</u>	<input type="checkbox"/>
2		Circular Motion	<u>Centripetal Acceleration and Force</u> , <u>Horizontal Circular Motion</u>	<input type="checkbox"/>
3		Orbits	<u>Orbits, Kepler’s Laws: Exam Application</u>	<input type="checkbox"/>
		Moments and Torques		<input type="checkbox"/>
4		Electric Fields	<u>Coulomb’s Law</u> , <u>Work and Charge</u>	<input type="checkbox"/>
	Electromagnetism	Magnetic Fields	<u>B-Fields and Mapping Field Lines</u> , <u>Calculating Magnetic Field Strength</u>	<input type="checkbox"/>
		Magnetic Force	<u>Charged Particles in a B-Field</u> , <u>Parallel Current Carrying Wires</u>	<input type="checkbox"/>
5		Electromagnetic Induction	<u>Lenz’s Law</u> , <u>Lenz’s Law Examples</u>	<input type="checkbox"/>
		Applications of Electromagnetism	<u>Application of Lenz’s Law and Back EMF</u> , <u>Introduction to Transformers</u>	<input type="checkbox"/>
6	Revolutions in Modern Physics	Special Relativity	<u>Inertial Frames of Reference</u> , <u>Special Relativity</u> , <u>Time Dilation</u> , <u>Length Contraction</u>	<input type="checkbox"/>
7		Wave Particle Duality and the Quantum Theory	<u>Young’s Double Slit Experiment</u> , <u>Evidence Suggesting a New Model of Light</u> , <u>The Photoelectric Effect</u> , <u>Line Spectra and Electron Energy Levels</u>	<input type="checkbox"/>
8		Special Relativity	<u>Mass-Energy Equivalence and Special Relativity</u>	<input type="checkbox"/>
		The Standard Model	<u>Conservation Laws in Particle Interactions</u>	<input type="checkbox"/>

Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
9	Gravity and Motion	Introduction to Gravity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Projectile Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
10		Circular Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
11		Orbits	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Moments and Torques	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
12	Electromagnetism	Electric Fields	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Magnetic Fields	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Magnetic Force	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
13		Electromagnetic Induction	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Applications of Electromagnetism	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
14	Revolutions in Modern Physics	Special Relativity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
15		Wave Particle Duality and the Quantum Theory	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
16		Special Relativity	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		The Standard Model	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>