

Date	Exams/ Assess	Unit(s)
1/9/25		Specification 3.2 – Particles and Radiation - Atomic structure and specific charge - Strong nuclear force - Nuclear radiation - Classifying particles - Weak interaction and Feynman diagrams - Conservation laws for nuclear reactions and decay - Pair production and annihilation - Bohr model of the atom - Atomic spectra - Photoelectric effect - Wave-Particle duality
8/9/25		
15/9/25		
22/9/25		
29/9/25		
6/10/25		
13/10/25		
20/10/25		
3/11/25		Revision and exam preparation for Summative Assessment 1 to cover all content from Half Term 1
10/11/25		
17/11/25		Specification 3.3 - Waves - Describing waves and the wave equation - Electromagnetic waves - Polarisation - Energy and intensity
24/11/25		
1/12/25		
8/12/25		
15/12/25		Year 12 Work Experience Week takes place in December
5/1/26		Specification 3.3 – Waves - Wave phenomena - Snell's Law - TIR and application to fibre optics - Superposition and interference of wave - Young's Interference experiments - Required Practical 2 - Diffraction - Stationary Waves - Required Practical 1
12/1/26		
19/1/26		
26/1/26		
2/2/26		
9/2/26		
23/2/26		Revision and exam practice for spec 3.4 Mechanics and materials
2/3/26		Revision and exam practice for spec 3.5 Electricity
9/3/26		
16/3/26		Revision and exam practice for spec 3.2 Particles and Radiation
23/3/26		
30/3/26		Revision and exam preparation for spec 3.3 Waves
20/4/26		Summative Assessment Two to include all content from the start of the academic year up until the end of Half Term 4
27/4/26		
4/5/26		
11/5/26		Specification 3.6 Further Mechanics: Simple Harmonic Motion - Intro to SHM - Mathematics of SHM
18/5/26		

		• Pendulum and mass-spring systems • Required Practical 7 • Energy in SHM • Damping • Resonance
1/6/26		Specification 3.6 Further Mechanics: Simple Harmonic Motion • Energy in SHM • Damping • Resonance
8/6/26		
15/6/26		
22/6/26		
29/6/26		
6/7/26		Specification 3.6 Further Mechanics: Thermal Physics • States of matter • Brownian motion • Internal energy and temperature scales • SHC and SLH • Kinetic theory of gases • Ideal gas laws • Required Practical 8
13/7/26		
The final week of the academic year involves a bespoke timetable for all Year 12 students		