

Yearly Examination Preparation

PH11-1, PH11-2, PH11-3, PH11-4, PH11-5, PH11-6, PH11-7, PH11-8, PH11-9, PH11-10, PH11-11

ORIENTATION

Purpose: prepare for a full Year 11 examination by identifying which model each question is testing before solving.

EXAM READINESS MAP

MODULE	CORE DECISION	FAST REPAIR
Module 1	graph, SUVAT, vector, or relative motion	draw axes and state sign convention
Module 2	force, momentum, or energy model	draw free-body diagram or conservation frame
Module 3	wave, sound, optics, or thermal model	state what changes and what is held constant
Module 4	charge, field, circuit, power, or magnetism	separate quantity categories before substitution

MIXED QUESTION SET

1. Interpret a velocity-time graph and state displacement from area.
2. Resolve a force into components on an inclined plane.
3. Explain why frequency remains constant during refraction.
4. Calculate energy required for a temperature change.
5. Analyse a combined series/parallel circuit.
6. Explain how a solenoid's magnetic field is strengthened.

STUDENT WORKING
