

Year 12 Preparation Bridge

PH11-5, PH11-6, PH11-7, PH11-11

ORIENTATION

Purpose: identify which Year 11 capabilities must be maintained before Year 12 Modules 5-8.

BRIDGE MAP

YEAR 12 NEED	YEAR 11 PREREQUISITE
Projectile and circular motion	vectors, acceleration, force, energy
Charged particles in fields	electric field, magnetic field, vector direction
Electromagnetic induction	fields, circuits, energy transfer
Nature of light	wave behaviour, ray model, interference
Quantum and nuclear models	energy, radiation, scientific model limits

READINESS CHECK

1. Can you resolve vectors into perpendicular components?
2. Can you draw a free-body diagram and identify net force?
3. Can you distinguish wave speed, wavelength, and frequency?
4. Can you explain potential difference and current without category errors?
5. Can you use field direction rules consistently?

STUDENT WORKING
