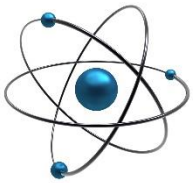
Ballymena Academy Physics

Year 9 Revision Checklist

Winter 2026



Please ensure you bring the following items with you on the day of the exam:



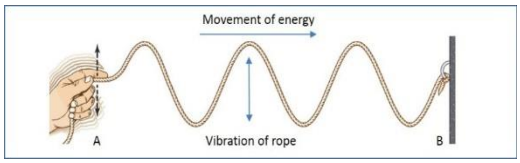


- Pen(s) and pencil(s).
- 30 cm ruler
- Scientific calculator

<u>The following is a list of topics which will be examined:</u>

Please refer to the individual pupil notes booklets for a full list of learning outcomes.

<u>Waves and sound:</u>



- Types of waves – transverse and longitudinal.
- Definitions of properties of waves.
- Labelling waves – amplitude, frequency, wavelength, period & speed.
- Producing sounds.
- How we hear – structure of ear, range of human hearing.
- Speed of sound – calculations in solid, liquid or gas.
- Bell jar experiment – sound & light in vacuum.
- How amplitude & frequency affect sound – sketching graphs.
- Noise – measuring “loudness” of sounds. Reducing noise.
- Calculating the speed of sound in different materials.

