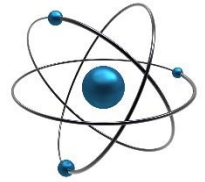




Ballymena Academy Physics

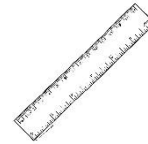
Year 9 Revision Checklist

Winter 2024



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

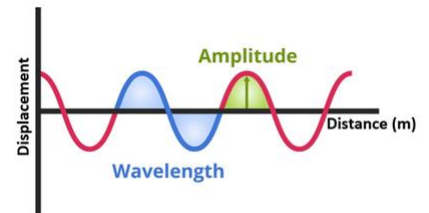


The following is a list of topics which will be examined:

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

Waves (All learning outcomes 1-6):

- Parts of a wave.
- The definition of Transverse and Longitudinal waves.
- Examples of Transverse and Longitudinal waves.
- Properties of waves: Wavelength, Amplitude, Period, Frequency and speed.
- Frequency of a wave calculations.
- Period of a wave calculations.



Sound (All learning outcomes 1-22):

- What causes a sound.
- Examples of sound producing objects.
- Parts of the human ear.
- Calculating the speed of a sound wave.
- Experiment to measure the speed of sound in air.
- Through which state of matter sound travels fastest/ slowest.
- Sound in a vacuum / bell-jar & vacuum pump experiment.
- Sound waves on a CRO – Amplitude = Loudness, Frequency = Pitch.
- Noise and noise levels. Reducing noise pollution.
- Range of human hearing & potential damage to hearing.
- Ultrasound and Infrasound.

