



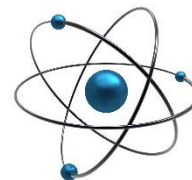
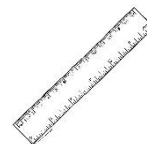
# Ballymena Academy Physics

## Year 10 Revision Checklist

Winter 2023

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

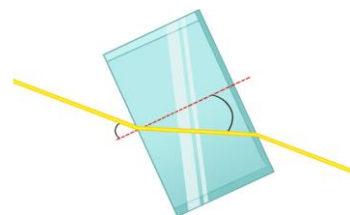


### The following is a list of topics which will be examined:

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

### Light (learning outcomes 11-22 only):

- Understand the terms, “angle of incidence” and “angle of reflection”.
- Be able to draw reflection diagrams and recall the properties of an image in a plane mirror.
- Understand the term “angle of refraction”.
- Explain why refraction happens when light travels from one medium into another.
- Complete ray diagrams to show how light changes direction when going from air → glass, water → air etc.



### Forces, Pressure and Motion:

- Mass and Weight definitions and calculations.  
(covered as part of the Year 9 **Space** topic).
- Balanced and unbalanced forces.
- Friction.
- Hooke’s Law experiment and calculation.
- Pressure explanations and calculations.
- Speed calculations.  
(covered as part of the Year 9 **Sound** and Year 10 **Forces** topics).

