

# PHYSICS PAG 7.2 CHECKLIST

## Investigating ionising radiation

Investigating the absorption of  $\alpha$ -particles,  $\beta$ -particles and  $\gamma$  rays by appropriate materials

### Skill & Practical skills Spec. Reference

- ☐ **1.2.1 (b)** Safely and correctly use a range of practical equipment and materials
- ☐ **1.2.1 (c)** Follow written instructions
- ☐ **1.2.1 (d)** Make and record observations/measurements
- ☐ **1.2.1 (e)** Keep appropriate records of experimental activities
- ☐ **1.2.1 (f)** Present information and data in a scientific way
- ☐ **1.2.1 (j)** Use a wide range of experimental and practical instruments, equipment and techniques
- ☐ **1.2.2 (a)** Use appropriate analogue apparatus to record a range of measurements (to include length, distance, temperature, pressure, force, angles and volume) and to interpolate between scale markings
- ☐ **1.2.2 (b)** Use of appropriate digital instruments, including electrical multimeters, to obtain a range of measurements (to include time, current, voltage, resistance and mass)
- ☐ **1.2.2 (c)** Use of methods to increase accuracy of measurements, such as timing over multiple oscillations, or use of fiduciary marker, set square or plumb line
- ☐ **1.2.2 (e)** Use of callipers and micrometers for small distances, using digital or Vernier scales
- ☐ **1.2.2 (l)** Use of ionising radiation including detectors