

PHYSICS PAG 6.1 CHECKLIST

Investigating quantum effects

Determining the Planck constant

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 (h)** Use online and offline research skills including websites, textbooks and other printed scientific sources of information
- ☐ **1.2.1 (i)** Correctly cite sources of information
- ☐ **1.2.1 (j)** Use a wide range of experimental and practical instruments, equipment and techniques
- ☐ **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 (f)** Correctly constructing circuits from circuit diagrams using DC power supplies, cells, and a range of circuit components, including those where polarity is important