2.1 - Determining the acceleration of free-fall experimentally

Measuring g (card drop)

Measuring g (falling ball)

3.1 – Applying the calorimetric techniques of specific heat capacity or specific latent heat experimentally

Specific heat capacity of water (electric kettle)

3.2 – Investigating at least one gas law experimentally

Verification of Boyles law

4.2 – Investigating the speed of sound experimentally

Speed of sound (drinking straw)

4.4 – Determining refractive index experimentally

Refractive index

5.2 – Investigating one or more of the factors that affect resistance experimentally

Factors affecting R (paper)

Factors affecting R (nichrome)

Factors affecting R (pencil)

5.3 - Determining internal resistance experimentally

EMF and internal resistance

7.1 - Investigating half - life experimentally (or by simulation)

Decay of Beer Foam

9.3 – Investigating Young’s double - slit experimentally

Two slit interference

11.2 – Investigating a diode bridge rectification circuit experimentally

Rectifier circuit