

Paper Reference(s) 1PH0/1F
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Physics
PAPER 1
Foundation Tier

Additional Equations Insert

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WITH THE QUESTION PAPER.**

**$(\text{final velocity})^2 - (\text{initial velocity})^2 =$
 $2 \times \text{acceleration} \times \text{distance}$**

$$v^2 - u^2 = 2 \times a \times x$$

**energy transferred = current \times
 potential difference \times time**

$$E = I \times V \times t$$

**potential difference across primary coil \times
 current in primary coil = potential
 difference across secondary coil \times
 current in secondary coil**

$$V_p \times I_p = V_s \times I_s$$

**change in thermal energy = mass \times
 specific heat capacity \times
 change in temperature**

$$\Delta Q = m \times c \times \Delta \theta$$

**thermal energy for a change of state =
 mass \times specific latent heat**

$$Q = m \times L$$

to calculate pressure or volume for gases of fixed mass at constant temperature

$$P_1 V_1 = P_2 V_2$$

**energy transferred in stretching = 0.5 ×
spring constant × (extension)²**

$$E = \frac{1}{2} \times k \times x^2$$