

# Physics Equations Sheet GCSE Additional Science / Physics (AS1, AS2 and PH2)

$a = \frac{F}{m}$ or $F = m \times s$	F resultant force m mass a acceleration
$\alpha = \frac{r}{n - m}$	a acceleration v final velocity u initial velocity t time taken
$W=m\times g$	W weight m mass g gravitational field strength
$F = k \times e$	F force k spring constant e extension
$W = F \times d$	W work done F force applied d distance moved in the direction of the force
$P = \frac{E}{t}$	P power E energy transferred t time taken
$E_p = m \times g \times h$	E <sub>p</sub> change in gravitational potential energy m mass gravitational field strength h change in height
$E_k = \frac{1}{2} \times m \times v^2$	E <sub>k</sub> kinetic energy m mass v speed
p = m × v	p momentum m mass v velocity

# **May 2013 Physics P2 Aqa Paper**

Raffaela Di Napoli

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Unveiling the Magic of Words: A Review of "May 2013 Physics P2 Aqa Paper"

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