

Physics PH3 Equations Sheet

$s = v \times t$	s v t	distance speed time	
refractive index = $\frac{\sin i}{\sin r}$	i r	angle of incidence angle of refraction	
$magnification = \frac{image\ height}{object\ height}$			
$P=\frac{1}{f}$	P f	power focal length	
refractive index = $\frac{1}{\sin c}$	С	critical angle	(Higher Tier only)
$T=\frac{1}{f}$	T f	periodic time frequency	
$M = F \times d$	M F d	moment of the force force perpendicular distance from the line of action of the force to the pivot	
$P = \frac{F}{A}$	P F A	pressure force cross-sectional area	
$\frac{V_{\rm p}}{V_{\rm s}} = \frac{n_{\rm p}}{n_{\rm s}}$	V _p V _s n _p n _s	potential difference across the primary coil potential difference across the secondary coil number of turns on the primary coil number of turns on the secondary coil	
$V_p \times I_p = V_s \times I_s$	V _p	potential difference across the primary coil current in the primary coil potential difference across the secondary coil current in the secondary coil	