

Physical Units

$$\rho = m/V$$



$$E = mc\Delta T$$

$$E = mL$$



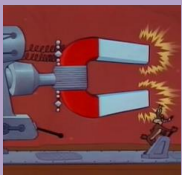
$$Q = It$$

$$V = IR$$

$$E = QV$$

$$P = IV = I^2R$$

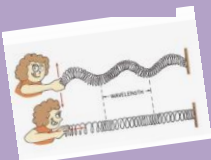
$$E = Pt$$



$$F = BIl$$



$$v = f\lambda$$



	Quantity	Name	Symbol
	Energy/ Work Done	Joules	J
	Moment	Newton - metres	Nm
	Speed	metres per sec	m/s
	Time	seconds	s
	Weight	Newtons	N
	Area	square metres	m ²
	Distance	metres	m
	Mass	kilograms	kg
	Volume	cubic metres	m ³
	Density [ρ]	kg per m ³	kg/m ³
	Force	Newtons	N
	Pressure	Pascals	Pa (N/m ²)
	Current	Amperes	A
	Potential Difference	Volts	V
	Resistance	Ohms	Ω
	Power	Watts	W
	Electrical Energy	Kilowatts per hour	kWh
	Charge	Coulombs	C
	Temperature	Degrees Celsius	$^{\circ}\text{C}$

$$s = v/t$$

$$a = (v-u)/t$$

$$KE = \frac{1}{2}mv^2$$

$$F = ma$$

$$WD = F \times D$$

$$P = WD/t$$

$$p = mv$$

$$F = ke$$

$$F = W = mg$$

$$GPE = mgh$$



$$v^2 - u^2 = 2as$$

$$E = \frac{1}{2}ke^2$$



$$V_p I_p = V_s I_s$$