Year 7 physics equation sheet

$$Distance = Speed \times Time$$

$$Speed = \frac{Distance}{Time} \qquad Time = \frac{Distance}{Speed}$$

$$Mass = Density \times Volume$$

$$Density = \frac{Mass}{Volume} \qquad Volume = \frac{Mass}{Density}$$

$$Gravitational\ field\ strength = \frac{Weight}{Mass}$$

$$Weight = Mass \times Gravitational\ field\ strength$$

$$Mass = \frac{Weight}{Gravitational\ field\ strength}$$

$$Charge = Current \times Time$$

$$Current = \frac{Charge}{Time} \qquad Time = \frac{Charge}{Current}$$

$$Charge = \frac{Energy\ Transferred}{Potential\ Difference}$$

$$Energy\ Transferred = Charge \times Potential\ Difference$$

$$Potential\ Difference = \frac{Energy\ Transferred}{Charge}$$

$$Resistance = \frac{Potential\ Difference}{Current}$$

$$Potential\ Difference = Current \times Resistance$$

$$Current = \frac{Potential\ Difference}{Resistance}$$

Year 8 physics equation sheet

$$Density = \frac{Mass}{Volume}$$

$$Speed = \frac{Distance}{Time}$$

$$Pressure = \frac{Force}{Area}$$

$$Weight = Mass \times Gravitational\ field\ strength$$

$$Charge = Current \times Time$$

$$Energy\ Transferred = Charge \times Potential\ Difference$$

$$Potential\ Difference = Current \times Resistance$$

$$Moment = Force \times Perpendicular\ distance\ from\ the\ force$$

$$Force = Mass \times Acceleration$$

$$Acceleration = \frac{Change\ in\ Velocity}{Time}$$