| | Units | Equation |
|---|---|---|
| Distance or Length | m | |
| Mass | kg | |
| Time | s | |
| Speed or Velocity | m/s | $\frac{\Delta distance}{\Delta time}$ |
| Momentum | kg·m/s | $mass \times velocity$ |
| Acceleration | $m/s^2$ | $\frac{\Delta speed}{\Delta time}$ |
| Force | $N = \frac{kg \cdot m}{s^2}$ | $mass \times acceleration$ |
| Work | $J = N \cdot m = \frac{kg \cdot m^2}{s^2}$ | $force \times distance$ |
| Power | $W = J/s = \frac{kg \cdot m^2}{s^2}$ | $\frac{work}{time}$ |
| | $N = Newtons$<br>$J = Joules$<br>$W = Watts$ | |