

Kinematics – Formula Sheet

- $v = u + at$
- $s = ut + \frac{1}{2}at^2$
- $v^2 = u^2 + 2as$
- Average velocity = $(u + v) / 2$
- Projectile range: $R = u^2 \sin 2\theta / g$
- Maximum height: $H = u^2 \sin^2\theta / 2g$
- Time of flight: $T = 2u \sin\theta / g$