

# Formulas for Integrated Science

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$$\bar{v} = \frac{d}{t}$$

$$a = \frac{v_f - v_i}{t}$$

$$T_F = \frac{9}{5}T_C + 32^\circ F$$

$$T_C = \frac{5}{9}(T_F - 32^\circ F)$$

$$F = ma$$

$$w = mg$$

$$Q = mc\Delta T$$

$$\%Error = \frac{O - E}{E} * 100$$

Boyle's:  $PV = constant$

Charles's:  $\frac{V}{T} = constant$

Ideal:  $PV = NkT$