

# Unit 3 Waves (Partly)

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IG Physics Revision

## Waves

Transverse Wave  $\perp$

Longitudinal Wave  $\parallel$

Mechanical Wave (Energy)

Electromagnetical Wave (Energy & Information)

Refraction

Index (n)

$$n_i \sin i = n_r \sin r$$

$$\begin{array}{l} \text{Amplitude (A) m} \\ \text{Wavelength } (\lambda) \text{ m} \\ \text{Frequency (f) Hz/s}^{-1} \\ \text{Period (T) s} \end{array} \quad \begin{array}{l} f = \frac{1}{T} \\ v = \lambda \cdot f \\ = \frac{\lambda}{T} \end{array}$$