

Activity 1 A

Exploring Water Waves



FOR YOU TO DO

If you have ripple tanks, set them up and let students explore ripples and also water waves with a single frequency and wavelength.

Amplitude and Wavelength Measurements

Amplitude	Time for pulse to travel from one end to another	Average time	Speed = $\frac{\text{length of spring}}{\text{average time}}$

Wavelength (m/cycles)	Frequency (cycles/s or Hz)	Speed (m/s) wavelength x frequency

Sine Waves for Wave Model

