

Physics – Waves

Content	End
Describe the origin and properties of longitudinal and transverse waves and give examples	
Calculate frequency of waves using frequency = number of waves/time and use Hz as the unit	
Use the wave equation to calculate wave speed, frequency or wavelength including using standard form	
Describe properties of all EM waves	
Name the 7 EM waves and describe their uses and dangers	
Link uses of EM waves to their properties	
Describe ways of measuring wave speed– e.g ripple tank, waves on a string	
Describe how to measure the speed of sound and know it's approximate value in air	
Describe the electromagnetic spectrum	
Describe uses of electromagnetic waves.	
Explain how IR radiation emission and absorption is affected by surface and describe an investigation to measure this	
Explain some of the dangers of EM waves and how the radiation dose is measured	