

Unit Overview – P6 Waves

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You will learn about:

Wave Properties including wavelength, frequency, speed and period. The processes of reflection and refraction. The uses of waves including; Human hearing, sound and ultra sound. How Seismic waves in the earth give us information about the earths structure.

You will be able to:

Use and rearrange equations, draw reflection and refraction ray diagrams and you will have developed your practical skills of observation and constructing tables.

Key learning points		Key Words Wavelength Frequency Hertz Amplitude Rarefaction Compression Echo Specular Diffuse Reflection Refraction Absorption Transmission Ultrasound Seismic waves Seismometer
Wave properties and speed		
Ripple tank required practical		
Electromagnetic spectrum properties		
Electromagnetic spectrum uses		
Electromagnetic spectrum dangers		
Links to other subjects:		
SMSC Understand and appreciate the impacts of earthquakes on human population and the environment and describe the effects that this is having. Imaging of developing fetuses.		
Numeracy Rearranging equation. Substituting numerical values into equations using appropriate units.		
Literacy Describe observations in practical work. Explain the properties of waves including the differences between reflection and refraction.		