

Triple Unit Overview – P6 Waves

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
Wave properties and speed		Wavelength
Reflection of water waves		Frequency
Ripple tank required practical		Hertz
Electromagnetic spectrum properties		Amplitude
Electromagnetic spectrum uses		Rarefaction
Electromagnetic spectrum dangers		Compression
		Echo
		Specular
		Diffuse
		Reflection
		Refraction
		Absorption
		Transmission
		Ultrasound
		Seismic waves
		Seismometer

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 foetuses.

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.