



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.

<table border="1"> <tr> <td colspan="2">Key learning points</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Wave properties and speed</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Ripple tank required practical</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Electromagnetic spectrum properties</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Electromagnetic spectrum uses</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">Electromagnetic spectrum dangers</td> <td></td> <td></td> <td></td> </tr> </table>					Key learning points					Wave properties and speed					Ripple tank required practical					Electromagnetic spectrum properties					Electromagnetic spectrum uses					Electromagnetic spectrum dangers					<p style="text-align: center;">Key Words</p> <p>Wavelength Frequency Hertz Amplitude Rarefaction Compression Echo Specular Diffuse Reflection Refraction Absorption Transmission Ultrasound Seismic waves Seismometer</p>	
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<p>Links to other subjects:</p> <p>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.</p> <p>Numeracy Rearranging equation. Substituting numerical values into equations using appropriate units.</p> <p>Literacy Describe observations in practical work. Explain the properties of waves including the differences between reflection and refraction.</p>																																				
Research	Note-making	Group work & discussion	Memorisation	Precision & accuracy	Independence	Reflection																														