

# Qualification Unit

This unit forms part of a regulated qualification.

**Unit Title:** Sound and Light

**Unit Reference Number:** T/618/3233

**Level:** Level Two

**Credit Value:** Three (3)

**Minimum Guided Learning Hours:** 24

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Describe the trends and patterns in the electromagnetic spectrum	1.1 Describe the trends and patterns in the electromagnetic spectrum <hr/> 1.2 Give examples of radio and light radio waves being used in communication <hr/> 1.3 Illustrate, with practical examples, the properties of transverse and longitudinal waves <hr/> 1.4 Define and illustrate using practical examples, the following characteristics of transverse waves: a) frequency b) wavelength c) amplitude d) velocity
2. Know about properties of sound	2.1 State how sound is caused by vibration and travels at different speeds in different materials <hr/> 2.2 Identify from a waveform the following sounds: a) loud b) quiet c) high pitch d) low pitch
3. Know about the properties of light	3.1 State some properties of light waves

3.2 Describe how light is reflected from surfaces

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3.3 Describe how an image is formed in a mirror

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3.4 Describe how the colour of an object depends on the wavelength of the light it scatters