Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Sound & Light	I can: Know that sound is a wave caused by vibrations State that waves transfer energy Know that different organisms have different auditory ranges Name some parts of the ear	I can: State the speed of sound and compare this to the speed of light Label wave diagrams with peaks, troughs and amplitude Recognise the link between frequency and wavelength Describe the path of sound through the ear	I can: Describe how the speed of sound is affected by the medium Describe how amplitude affects the loudness of a sound Describe how frequency affects the pitch of a sound Describe how the ear converts sound waves into electrical signals	I can: Explain why the speed of sound is affected by the medium Explain the effect of absorption and reflection on sound waves Convert hertz into kilohertz and v.v. Explain ways in which the ear and hearing can be damaged	I can: Calculate the speed of sound in different media Use wave diagrams to decipher amplitude Use wave diagrams to decipher frequency, wavelength and time period Propose a method, including variables, to test the effectiveness of different ear defenders