P1 Checklist
Chapter 2

Activate

Lesson	Improving	Secure	Advanced and Extending
P1 2.1 Waves	I can state some features of waves. ☐	I can describe the different types of waves and their features. ☐	I can compare the properties of waves and their features. ☐
	I can state what happens when a wave hits a barrier. ☐	I can describe what happens when water waves hit a barrier. ☐	I can explain how reflection of a wave occurs. ☐
	I can state that waves in the same place affect each other. ☐	I can describe what happens when waves superpose. ☐	I can explain one effect of superposition of waves. ☐
P1 2.2 Sound and energy transfer	I can name some sources of sound. ☐	I can describe how sound is produced and travels. ☐	I can explain what is meant by supersonic travel. ☐
	I can name materials that sound can travel through. ☐	I can explain why the speed of sound is different in different media. ☐	I can describe sound as the transfer of energy through vibrations and explain why sound cannot travel through a vacuum. ☐
	I can state that sound travels more slowly than light. ☐	I can contrast the speed of sound and the speed of light. ☐	I can compare the time taken for sound and light to travel the same distance. ☐
P1 2.3 Loudness and pitch	I can state the link between loudness and amplitude. ☐	I can describe the link between loudness and amplitude. ☐	I can compare and contrast waves of different loudness using a diagram. ☐
	I can state that frequency is measured in hertz. ☐	I can describe the link between pitch and frequency. ☐	I can compare and contrast waves of different frequency using a diagram. ☐
	I can state the range of human hearing. ☐	I can state the range of human hearing and describe how it differs from the range of hearing in animals. ☐	I can explain how animals hear the same sounds differently. ☐

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P1 2.4 Detecting sound	I can name some parts of the ear. ☐	I can describe how the ear works. ☐	I can explain how parts of the ear transfer vibrations. ☐
	I can state some ways that hearing can be damaged. ☐	I can describe how your hearing can be damaged. ☐	I can explain how your hearing can be damaged. ☐
	I can state that a microphone detects sound waves. ☐	I can describe how a microphone detects sound. ☐	I can compare and contrast the ear and the microphone. ☐
P1 2.5 Echoes and ultrasound	I can state simply what ultrasound is. ☐	I can describe what ultrasound is. ☐	I can explain how ultrasound can be analysed. ☐
	I can state some uses of ultrasound. ☐	I can describe some uses of ultrasound. ☐	I can explain some uses of ultrasound. ☐