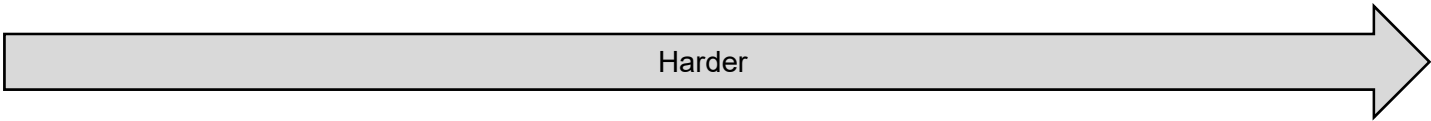


We will learn: Sound

Element	Harder 			
1. Waves	State some features of waves	Explain what is meant by the terms wavelength, frequency and amplitude	Describe the different types of wave and their features	Describe what happens when waves superimpose
2. Sound and energy transfer	Name materials that sound can travel through	Describe how sound is produced and travels Contrast the speed of sound and light	Explain why the speed of sound is different in different media	
3. Loudness and pitch	State the link between loudness and amplitude	Describe the link between loudness and amplitude and the link between pitch and frequency	Compare and contrast waves of different frequency and loudness	
4. Detecting sound	Name some parts of the ear State some ways that hearing can be damaged State that a microphone detects sound waves	Describe how the ear works Describe how your hearing can be damaged	Explain how parts of the ear transfer vibrations	
5. Echoes and ultrasound	State what an echo is State what ultrasound is	Describe some examples and uses of echolocation and ultrasound	Explain with reasons why animals use echolocation	