

Year 4: Science Week 3

LI: To explain how distance affects sound

Success Criteria

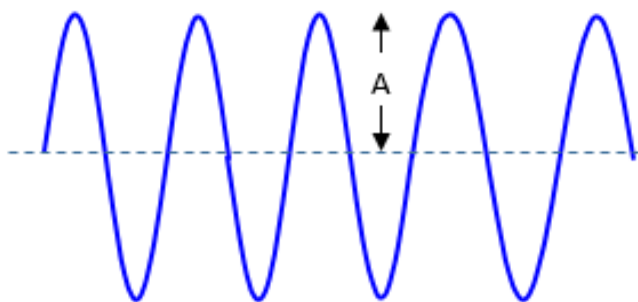
- I know that sound travels in vibrations.
- I understand how energy affects sound.
- I can record my observations.

sound wave, vibration, energy, stronger, weaker, volume, louder, quieter, amplitude

Task 1: How does sound reach our ears?

<https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/zx9hcj6>

<https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/zqtdpbk>



A loud sound – large amplitude



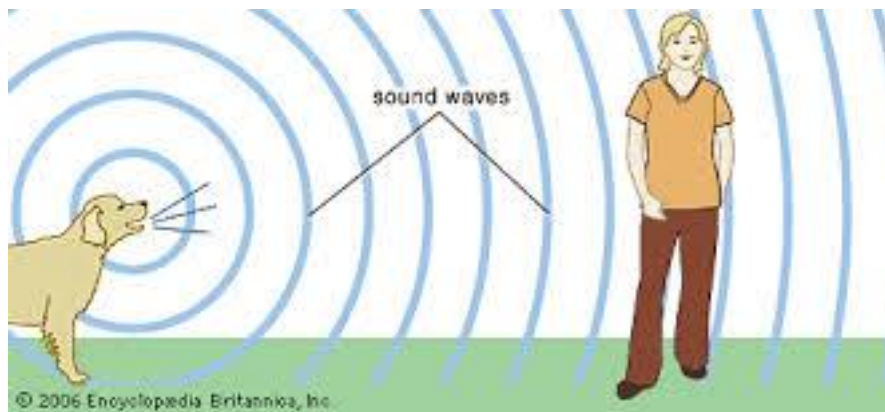
A soft (quiet) sound – small amplitude

We are going to think about how distance affects a sound that we hear.

Task 2: Write a prediction to say what you think will happen to a sound if you move further away from it.

Task 3: Watch this video

<https://www.bbc.co.uk/bitesize/clips/z47w2hv>



**What happens to a sound if you move closer or further away from it?
How do the sound waves change?**
