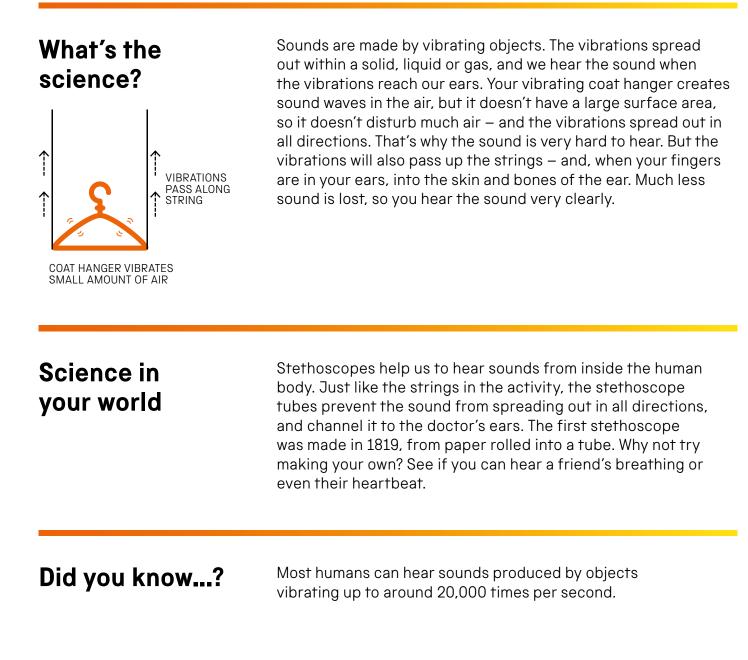
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EAR GONGS

MAKING	Age 5-7	Topic SOUND	Ō 20 MIN
	Skills used	MAKING OBSERVATIONS • CURIOSITY	

Overview for adults

This activity investigates how sound travels, using a kind of gong made from a coat hanger and some string. The gong makes a surprising and intriguing sound – but only when you have your fingers in your ears.



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Sometimes you can hear things better with your fingers in your ears!



Think and talk about... ج

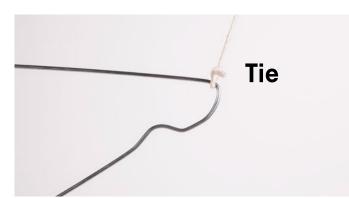
- Why does it sound so different when you put your fingers in your ears?
- Where do you think the sound is coming from and how does it reach your ears?



How does the sound change when you:

- Use longer or shorter string?
- Use wool or ribbon in place of the string?
- Replace the metal coat hanger with a different material?

Follow these steps...



1 Cut two 50cm lengths of string and tie one to each corner of the coat hanger.



2 Wrap the other end of each string around your finger.

Boing!



3 Put your fingers in your ears. Be careful not to push too hard.



4 Lean forward so the coat hanger hangs down without resting on anything. Then knock it against a chair or table, to make it vibrate. What do you hear?

5 Try swapping the metal coat hanger for objects made of different materials.

Science in your world

A stethoscope works in a similar way to your ear gongs. Vibrations are channelled along the tubes, so the doctor can hear the faint sounds your body makes.

