



What Is Sound?



twinkl

CfE Experiences and Outcomes

Through play, I have explored a variety of ways of making sounds.

SCN 0-11a

By collaborating in experiments on different ways of producing sound from vibrations, I can demonstrate how to change the pitch of the sound.

SCN 1-11a

What Is Sound?

Close your eyes and don't make a sound.

What can you hear?

What direction is it coming from?

Is it loud or quiet?

Is it high pitched or a deep, low sound?

Do you like the sound?



Dancing Rice

Put some grains of rice on a drum and gently strike the drum.

What happens? Why?

The **vibrations** from the drum cause the rice to dance around. It is these vibrations that let us hear the sound of the drum.



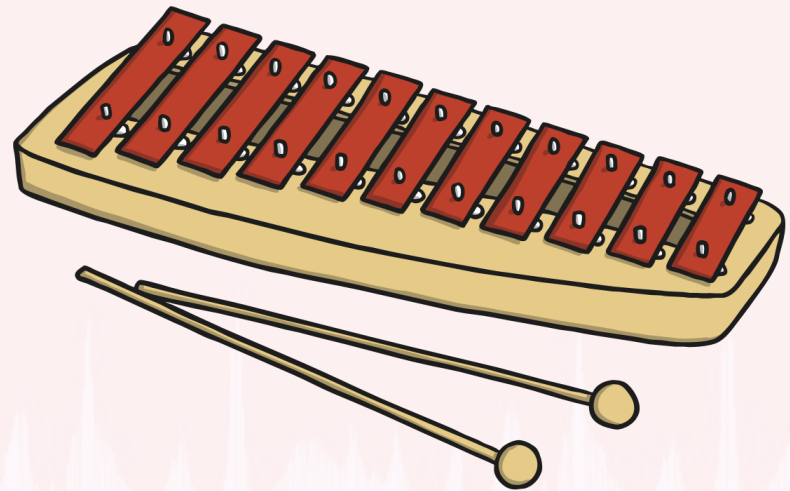
Vibrations

Sound is made when an object **vibrates**.

Press your fingers to your throat and talk to a friend. Can you feel the vibrations in your throat?

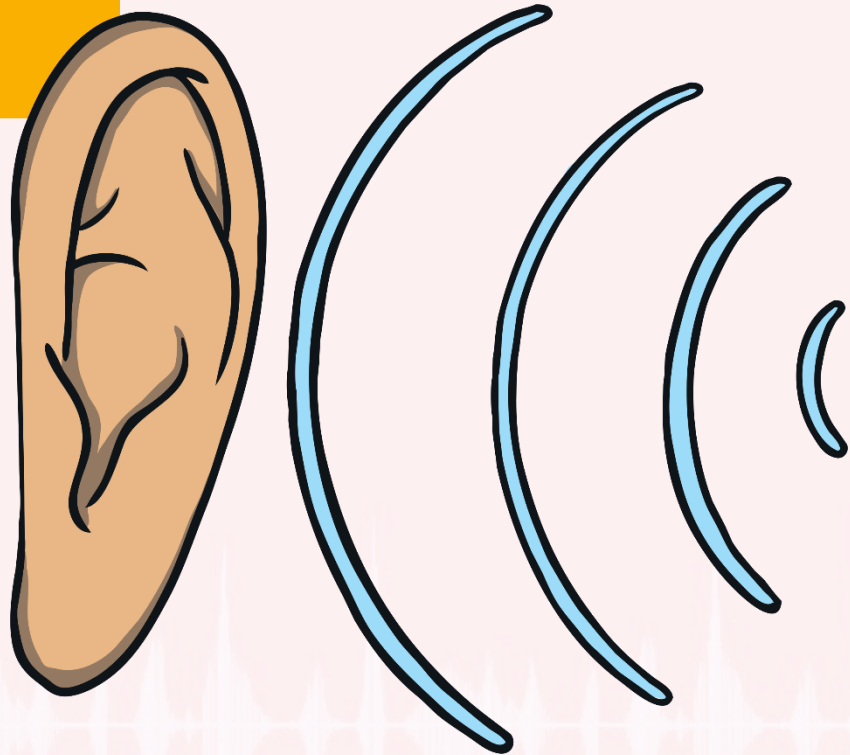


Strike a tuning fork or percussion instrument and then touch it gently with your finger. Can you feel it **vibrating**?



Vibrations

These vibrations travel through the air until they reach our ears. These travelling vibrations are called **sound waves**.



String Telephone

You can experiment with **sound waves** by making your own telephone.

Connect two plastic cups with a length of string.

Experiment with the length of string to see if you can still hear the sounds.



