

Science home learning 22nd June 2020

Sound

YR

What can you hear?



The next time you go for a walk listen out for all of the sounds that you can hear. What did you hear? Record what you heard by drawing pictures and labelling them.

Go somewhere in your house and listen carefully for one minute. Again, record the sounds that you heard. Compare and discuss the different sounds that you could hear inside and outside.

Y1

Explore Sound



Ask your child to pick a window in the house. Ask them to stand there for a few minutes and take a look at what they can see and write or draw them down. Now ask them to try this activity again but this time ask them what can they hear? Write or draw these down. Discuss and compare what they saw and what they heard.

Y2/3

Explore Sound



Explore 'Sound'. Remember that a sound is made when something vibrates.

Can you make something vibrate to create sound?

- Elastic bands stretched over an object
 - Bouncing rice
- <https://www.science-sparks.com/how-can-you-see-sound?>

Y3/4/5

Explore Sound

Investigating pitch

What is the difference between pitch and volume?

Place 5 different water containers in order of size. Fill each one with the same amount of water. Gently blow across the top of each one. Explore what happens. Can you find a pattern and explain your results?

Using different lengths of plastic straws investigate what happens when you blow into each of the straws of different lengths. Does the length of the straw affect the pitch of the sound?

Y5/6

Explore Sound

Remember that sounds get fainter as the distance from the sound source increases.

Investigate the maximum distance at which somebody can hear one of 5 body sounds (hand clap, sniff, cough, foot stamp and thigh slap).

Place each sound in order of loudness and create a bar chart to show your results. (E.g. How many steps away from the sound source?)