



Science

Sound

An illustration of a hand plucking the strings of a guitar. The strings are shown as grey lines, and several red dots with small black circles around them are placed along the strings to represent vibrations. The background is a light brown color with a grid pattern. The entire illustration is framed by a yellow border with musical notes and various instruments like a guitar, trumpet, and drum.

Sound and Vibrations

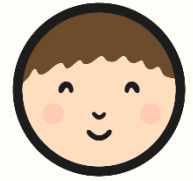


The page features a decorative border of musical instruments and notes. At the top and bottom, there are illustrations of a red and white drum, an acoustic guitar, a brass instrument (trumpet or trombone), a pan flute, and a CD. On the left and right sides, there are vertical columns of musical notes, including treble clefs and various note values.

Aim

- I can describe and explain sound sources and travel.

What is Sound?



What do you already know about sound and do you know anything about how sounds are made?

Complete your Sound Mind Map to show what you already know, and to ask questions about what you want to find out.

Draw or write about the things you already know about sound.

How are sounds made?

What makes sounds louder or quieter?

How do musical instruments work?

Sound

How do we hear sounds?

What makes sounds higher or lower?

How can sounds be made quieter?

What is Sound?



Watch and see how sounds are made and travel!

<https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/zstr2nb>



Vibrations



We can see and feel vibrations whenever sounds are made.

Gently place your hand on your throat.

Say 'Ah!'

Can you feel the vibrations from your vocal cords?

Ahh

The page features a decorative border with various musical instruments and notes. At the top and bottom, there are illustrations of a drum, an acoustic guitar, a trumpet, a xylophone, and a flute. On the left and right sides, there are vertical lines of musical notes, including a treble clef and a bass clef.

School Sound Survey

Around school there are lots of different sounds. Some places will be noisy, whereas some places will be quiet. The loudness of the different places will even change throughout the day!

You are going to carry out a sound survey of your school to find which places are noisy and which are quiet at different times of day. You may decide to rate each place out of 5, with 5 being very noisy and 0 being totally silent.

You may choose to use a data logger, which will record the loudness of each place for you to compare.

