



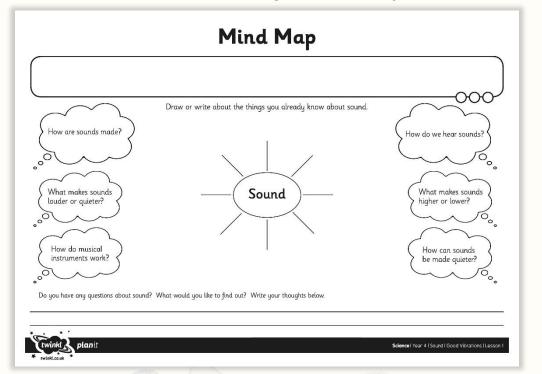






What do you already know about sound and do you know anything about how sounds are made?

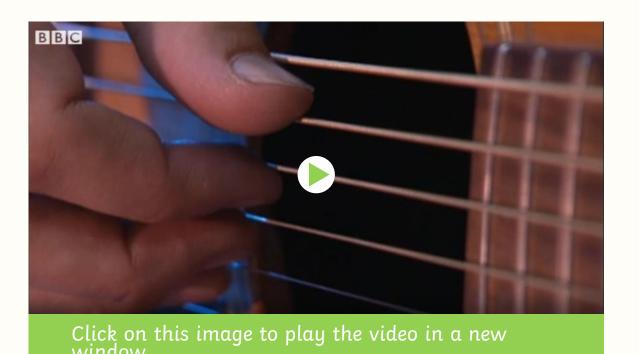
Complete your Sound Mind Map to show what you already know, and to ask questions about what you want to find out.







Watch this clip to see to see how the different families of musical instrument create different sounds.





Whole Class

Did you come up with some words to explain how the musical instruments make sounds?

Look at the words below. Did you choose any of these words?

Vibrate

Vibration

Twang

Blow

Bang

Scrape

Shake

Pluck





All the instruments are played in different ways, but they all have something in common. They all create sounds by vibrating.

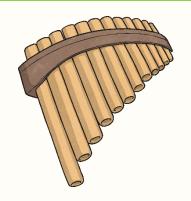
The strings of the guitar and the gopichand vibrate when they are plucked.

The pan pipes and horn are filled with air, which vibrates when they are blown.

The balafon and the bongos make sounds when they are hit or banged, causing the blocks or the skin to vibrate.



But what is a vibration?









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?







If a few grains of rice are put on a drum skin and then the drum is gently hit, what do you think will happen and why?

The grains of rice bounce on the drum skin when it is hit.



This is because the drum skin vibrates, and the vibrations pass to the grains of rice, which also vibrate.









If a tuning fork is gently hit off a table and then lowered into a bowl of water, what do you think will happen and why?

You can see the ripples in the water when you place the tuning fork into it.

The tuning fork vibrates when it is hit, making the sound. These vibrations travel through the water, making the ripples as the water vibrates.

## **Activity Time**

Time to complete your activity sheet.



