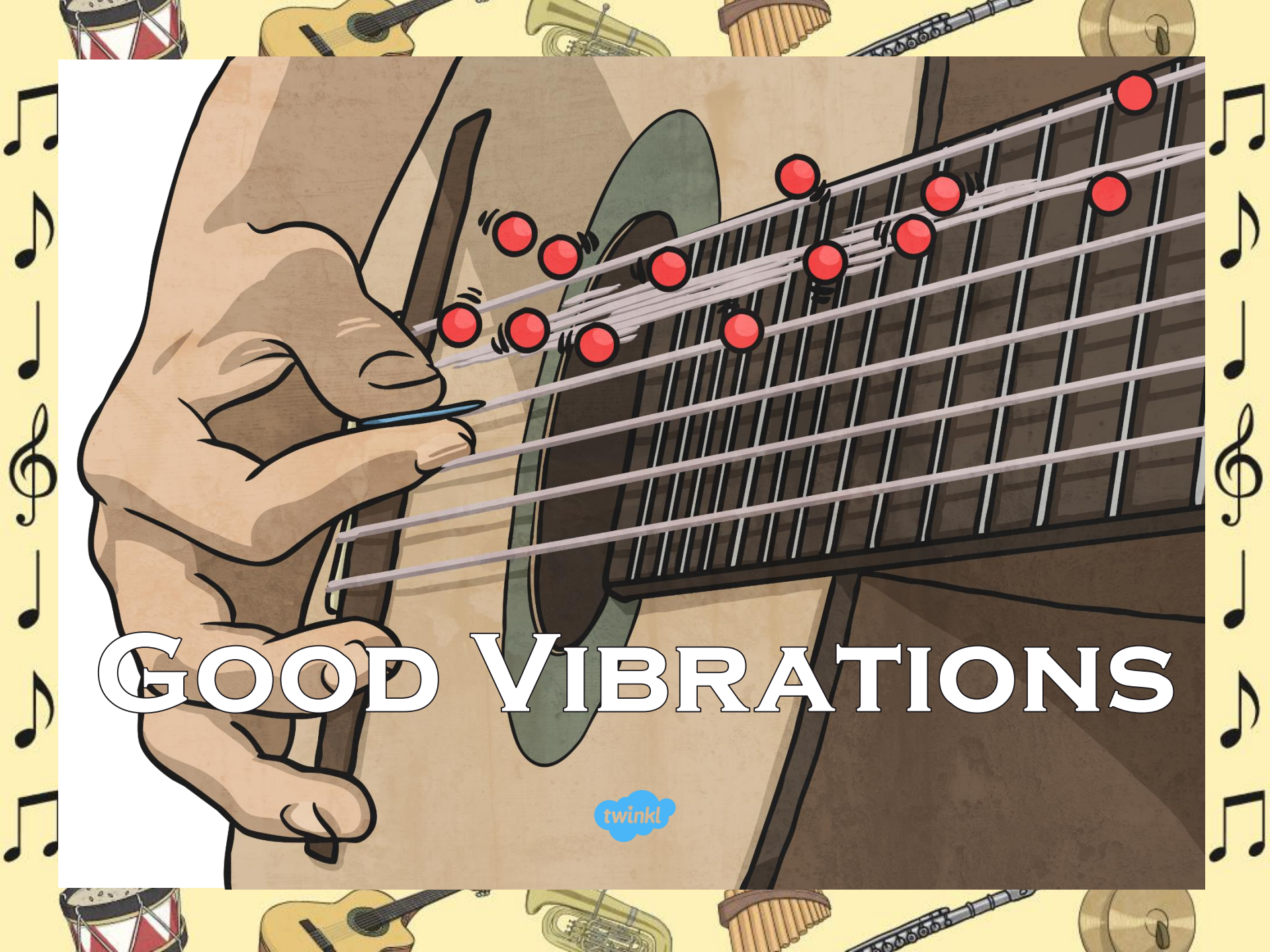




# Science

## Sound



# GOOD VIBRATIONS





# Aim

- I can describe and explain sound sources.

# Success Criteria

- I can identify and describe sound sources around my home.
- I can explain how sources of sound vibrate, creating sound.



# What is Sound?



Can you come up with some words to explain how musical instruments make sounds? Make a list.

Now watch this clip – what can you see vibrating?



Click on this image to play the video in a new window.



# What is Sound?



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

# 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 yellow background with 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 wooden xylophone, a silver flute, and a CD. On the left and right sides, there are vertical lines of musical notes, including a treble clef.

**-Sounds are made when objects vibrate.**

**-The vibration makes the air around the object vibrate and the air vibrations enter your ear.**

**-You hear them as sounds.**

**-You cannot always see the vibrations, but if something is making a sound, some part of it is always vibrating.**



The page features a decorative border with various 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 wooden xylophone, and a silver flute. On the left and right sides, there are vertical lines of musical notes, including eighth and quarter notes, and a treble clef.

# Home Sound Survey

Around your home, inside and out, 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!

Go on a sound walk around your home or on your permitted outdoor exercise slot and listen really carefully. Make a list of all the different sources of sound you can hear.

You may decide to rate each sound out of 5, with 5 being very noisy and 0 being totally silent.

Now choose one of your sounds on your list. What do you think was vibrating to have created the sound? Tell an adult or write an explanation.