

Previous Topic

Rocks, Soils & Fossils
(rocks)

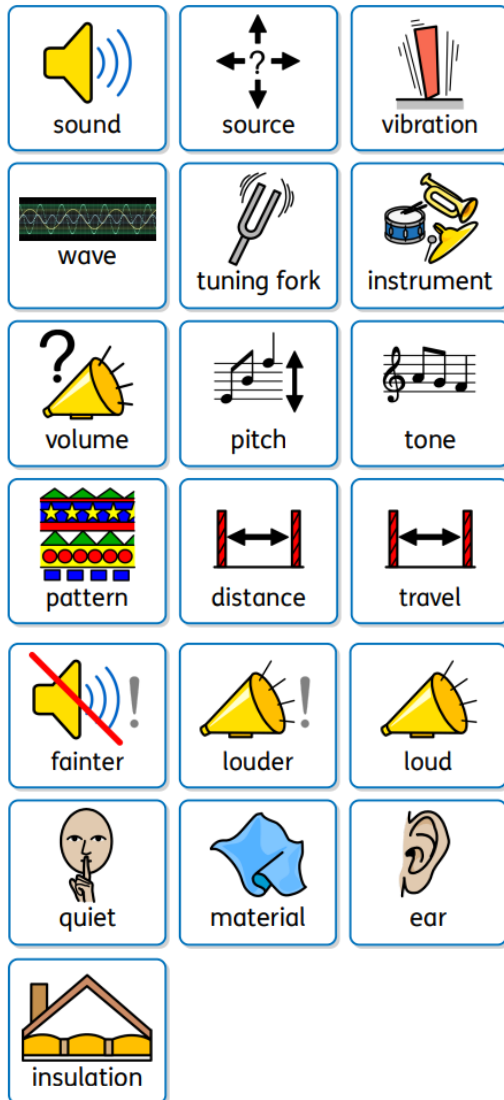
What's that Sound?

(sound)

Next Topic

Looking at States
(states of matter)

Vocabulary



Knowledge

- Sources of sound produce sound, such as a train, a telephone or a TV.
- Sounds are made when objects vibrate the air nearby. When any sort of object vibrates, it causes air particles to move. These particles bump into each other, which makes them vibrate and causes sound waves. These vibrations enter your ear and you hear them as sounds.
- Sound is measured in decibels.
- Hitting a drum makes a sound because the skin vibrates the air particles creating a sound.
- The pitch of percussion instruments can be changed in different ways:
 - **String instrument** - tighter, thinner or shorter strings will give a higher pitch.
 - **Wind instrument** - shortening the column of air will create a higher pitch
 - **Drum** - the tighter or thinner the skin, the higher the pitch.
 - **Instruments that use bars or keys** - the shorter the bar or key, the higher the pitch.



Skills

- Set up simple practical enquiries, comparative and fair tests.
- Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment including thermometers and data loggers.
- Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.
- Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.
- Use straightforward scientific evidence to answer questions or to support their findings.

