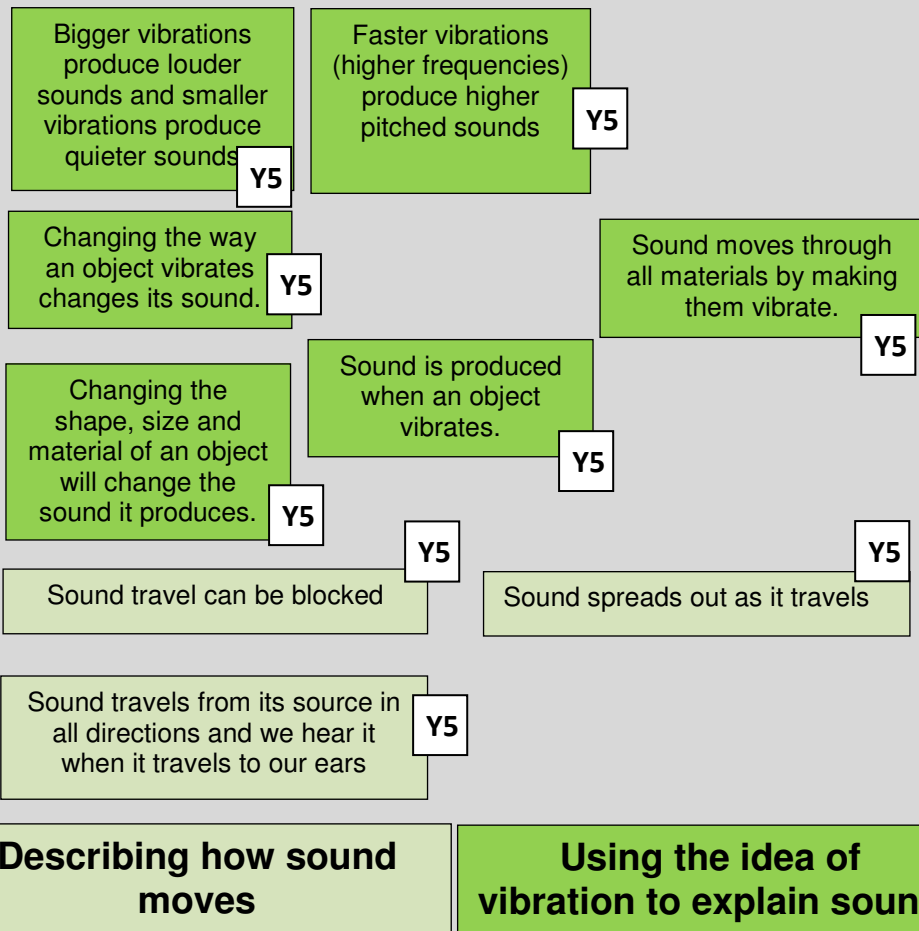


Key idea: Sound

Applications and activities related to new NC – BOLD ITEMS MUST BE TAUGHT

Yr 6



Everything children investigate should be related back to how materials vibrate. Children should:

- Identify the way sound is made through vibration in a range of different musical instruments from around the world; and find out how the pitch and volume of sounds can be changed. This might include blowing across the top of bottles, changing the length and thickness of elastic bands and their own instruments
- They should explore how the pitch and volume of simple instruments and objects changes and relate this to vibrations
- Explore the ways in which sound is transmitted as vibrations e.g. using string telephones.
- Explore how sound can be blocked by using materials that absorb e.g. ear muffs and sound proofing walls
- Have opportunities to use sound meters or data loggers to collect data to test their ideas.

Children should explore various ways of making sounds and investigate questions to do with how sound is made e.g. using a range of musical instruments to explore how to make louder and softer and higher and lower sounds.

Children should investigate how the loudness of a sound varies with distance from the source, or if there are barriers between them and the source – for example, carrying out tests to find the best places to locate fire bells in school.

Children can test out a range of ideas such as: Are two ears better than one? Do bigger ears help you hear better? How do we know that other animals can hear...what about slugs?

Yr 4

Yr 2