

Year 4 Science

Key vocabulary

vibration

sound wave

amplitude

pitch

volume

Our Science topic for this half term is Sound.

Use the knowledge organiser and the following websites to find out more about how sounds are made and how we hear!

Choose **two** of the main activities below to show what you have learnt.

<https://www.dkfindout.com/uk/science/sound/> - this is a very interactive website with lots of great information.

<https://www.bbc.co.uk/bitesize/topics/zgffr82> - lots of videos and online activities to support you with learning about sound.

<http://www.primaryhomeworkhelp.co.uk/revision/Science/sounds.html>

Main activities:

- Label the ear and sequence the steps in hearing sounds (PowerPoint worksheet) – you could print this out to complete or draw the diagram in your book/on paper and sequence the steps by writing the letters in order.
- Create an informative poster to show what you have learnt.
- Write a paragraph explaining how sounds are made and how we hear.
- Find out the meaning of the words under key vocabulary and write the definitions.

Extra activities for those of you who wish to do more...

- Make earmuffs from a variety of different materials to investigate which provides the best insulation against sound.
- Make and play your own instruments by using what you have found out about pitch and volume.
- Make straw oboes – see the Physics tricks document.