

Nova’s Sound Science Word Mat

Learning objective: To identify, define, and apply key scientific vocabulary related to the properties of sound in preparation for Class 4 investigative work.

Key Vocabulary

Use this reference mat to help you understand how sounds are made and how they travel. Terms are grouped by category: 'How Sound is Made', 'How Sound Travels', and 'Measuring Sound'.

Vibration The rapid back-and-forth move...	Source The object or place where a sound or...	Volume How loud or quiet a sound is.
Pitch How high or low a sound is, determine...	Medium The material (solid, liquid, or gas) th...	Sound wave The invisible pattern of energy ...
Particles Tiny building blocks of matter that ...	Eardrum A thin, sensitive layer inside the ear...	Decibel A unit used to measure the intensity...
Amplitude The size of a vibration; larger am...	Frequency The number of vibrations per se...	Solid A state of matter where particles are p...
Liquid A state of matter where particles are c...	Gas A state of matter where particles are far...	Insulation Materials used to block or absorb...
Explain why sou...	Compare and con...	Justify your ans... If you were in a room an...
What might happ...	Nova wants to re...	Create a 'sound ...