

Knowledge Organiser

Y3

Sound



Famous Scientist – Delia Derbyshire

Delia Derbyshire was an English musician and composer of electronic music. She carried out pioneering work with the BBC and created the theme tune for Doctor Who using entirely electronic sources of sound. When she first approached Decca Records, Delia was told they didn't let women work in their company but she was determined to succeed in music.



Key Vocabulary

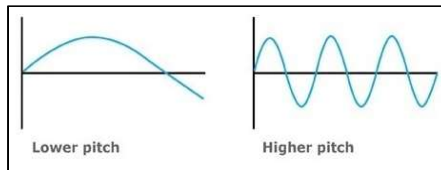
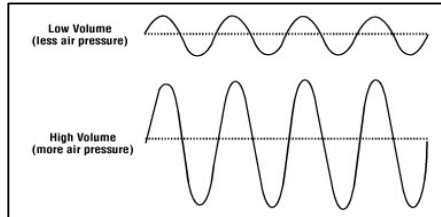
vibrate	Move continuously and rapidly to and fro
volume	Quantity or power of sound
pitch	The quality of sound governed by the rate of vibrations producing it
faint	Barely audible
loud	Producing a lot of noise
insulate	Protect something from the intrusion of sound
sound waves	The way that sound moves
frequency	The speed of a vibration
infrasounds	Sounds that can't be heard by humans

Key Knowledge

Sound is a form of energy that travels in all directions as a wave. It can be heard in all directions from the source. Sound is created when objects vibrate; instruments vibrate in different ways to create different sounds.

The size and shape of an instrument determines the type of sound it makes. Short or small objects make a higher pitched sound and larger objects make a lower pitched sound.

Sound travels in waves from the object that vibrated. It can travel through solids, liquids and gases.



Sound waves through different mediums

Sound can travel through a solid, liquid or gas. Because the molecules are closer together, sound waves travel quicker through solids and liquids.

