

Speed of Sound – Spring 2

Key question: What role do forces play in our everyday lives?

In this unit, we will be exploring the question “What role do forces play in our everyday lives?” by finding out how sound is made when something vibrates and sends waves through the air to our ears. This will help us understand the different forces we meet in science, such as magnetism, gravity, friction and air resistance, and how they affect the way things move around us. We will also learn how light helps us see what is making a sound and how electricity powers many of the tools and devices we use every day, from speakers to recording equipment.

In art, we will use these scientific ideas as inspiration, experimenting with a range of materials, textures and patterns to bring our creative ideas to life. By learning about the ‘Speed of Sound’, we will discover that forces are part of everything we do, from moving and communicating to designing and making. This learning will also help us feel confident and ready for future topics such as waves, energy, light and electricity as we move through school.





Learning in Lower School this half term

Theme: Speed of Sound

Subject	Learning Objective
Writing	To be able to; Spot different text types, notice key words that show purpose, follow simple instructions and signs, and explain how word choices affect meaning, improving their clarity as they develop.
Reading	To be able to; - Progress from writing simple supported sentences to producing longer, more organised texts. - Learn to plan writing, use appropriate formats, vary tone, and complete practical tasks like forms, letters, emails, instructions and reviews, using a wider range of vocabulary and connectives.
Maths	To be able to; - Recognise lines of symmetry and right angles in 2D shapes, match 2D and 3D shapes to real objects, and describe position using everyday vocabulary and first-quadrant coordinates. - Measure length accurately in millimetres, centimetres, and metres using tools such as rulers, jugs, and scales.
PHSE	To be able to; - Learn that families and relationships can be different, should make people feel safe and supported, and know when and how to ask for help. - Learn that people can have different types of relationships and identities, and that gender and who someone loves are not the same thing. - Learn what committed relationships like marriage are, understand the importance of healthy boundaries, and know that forced marriage is illegal.



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S&L	To be able to; • Progress from following the gist of discussions to confidently responding to questions and making relevant, consistent contributions across straightforward topics. • Develop interaction skills by listening without interrupting, responding to others’ viewpoints, and engaging respectfully while following turn-taking conventions.
Science	To be able to: • Understand how forces, friction, magnets and gravity affect how objects move. • Understand how light, sound and electricity work and how they help us observe or power things.
TREK	To be able to: • Learn how sleep, hygiene, diet, exercise, sun safety, and online balance affect their health, and develop the skills to make informed, healthy decisions.
Emotional Regulation	To be able to: • Understand how physical, physiological, and hormonal changes affect emotions and mood, and recognise how being active, spending time outdoors, and showing kindness can support wellbeing for ourselves and others.





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Lifeskills	To be able to: • Recognise when places need cleaning, use the right tools safely, follow simple routines, and understand basic responsibilities in different types of homes. • Help with shopping by making lists, comparing prices, choosing shops, storing items safely, and knowing what to do if something I buy is faulty.
Cooking	To be able to: • Explain what makes a snack healthy by grouping foods, understanding key nutrients, and suggesting healthier alternatives with reasons.
DT	To be able to: • Make and improve work safely using basic art and craft techniques. • Develop ideas and choose suitable materials and tools.



Spring 2 – Important Dates

