

As Scientists we can;

Identify common electrical appliances
Construct a simple electric circuit
Identify and name the basic part in a series circuit
Identify whether or not a lamp will light in a series circuit
Recognise that a switch opens and closes a circuit
Associate a switch opening with whether or not a lamp lights a series circuit
Recognise common conductors and insulators
Associate metals with being good conductors
Explain how a bulb may get lighter
Explain why cautions are necessary for working safely with electricity
Describe a range of sounds
Associate sounds with something vibrating
Compare sources of sound
Explain how to change a sound
Recognise how vibrations from sound travel through a medium to an ear
Find patterns between pitch the pitch of a sound and features of the object that produce it
Find patterns between the volume of sound and the strength of the vibrations
Recognise that sounds get fainter as the distance from the sound increases
Explain how you could change the pitch of a sound
Investigate how different materials can affect the pitch and volume of sounds



Pitch Perfect - Year 4 – Spring 1

Would you rather live without sound or electricity?

Key Learning Skills Enquiry, Investigation, Questioning, Making connections, Researching, Imagining, Creating new knowledge, Empathy

As Citizens can we:

Think about different parts of the world and times in history that do/did not have electricity?

As Thinkers we can;

Ask what if we did not have electricity?
Ask what if we could not hear sound?

RE:

As technology users we can;

Present information using powerpoint
Design multi-media danger posters
Research effectively

As Mathematicians we can;

Calculate different measures including £ and P
Calculate different measures
Use and understand fractions

As Musicians we can;

Sing songs from memory with accurate pitch
Use notations to record and interpret sequences of pitches

As Writers we can;

Write a newspaper article
Write instructions for an electrical appliance
Write a persuasive text to save electricity
Write a science investigation

As Design Technicians we can;

Use equipment and tools accurately
Select the most appropriate tools and techniques to use for a given task
Make a product which uses both electrical and mechanical components
Create and use a simple circuit
Use a number of components
Add things to our circuits
Alter our product after checking it
Be confident in trying out new and different ideas