

### Hook:

Science—Guess the sound/ questions - what we want to find out.

Music - Guess the instrument quiz - Create own quizzes.



# Topic Name: Playlist (A2)

## Focus: Science/Music



### Knowledge:

- How is sound made and how do we hear sound?
- What is the pitch of a sound and how do we change it?
- How do sounds change over distance?
- What is electricity?
- Where does electricity come from?
- What are insulators and conductors?
- How do switches work?
- What is the history of music throughout the 20th century?
- What are different musical notations?
- What are different instruments and how do you play them?
- How do you compose music?

### Learning Journey: Week 1-2

Children will learn about how sounds are made and how we hear things. This involves learning about vibrations and how these vibrations travel to our ears.

Children will learn about the history of music throughout the 20th century and create a research map. They will then learn about crotchets and quavers and compose their own music using these.

### Learning Journey: Week 3-4

Children will learn about the pitch of sounds and how sounds can be loud, quiet, high and low and how the vibrations change. Children will investigate how pitch changes by creating their own pan pipes.

Children will learn about rests and add to their knowledge of crotchets and quavers. They will then learn about minims and semibreves and compose their own music using all of the musical notation they have learnt.

### Learning Journey: Week 5-6

Children will learn how sounds change over distances and get quieter the further away you go. They will investigate this for themselves by creating string telephones with a partner. **Week 6 - electricity.** Children will learn about how electricity is generated -what is electricity and where it comes from.

Children will learn about different instruments—research their origin and famous musicians. Children will listen to different music with the instruments they have researched in the pieces of music.

### Learning Journey: Week 7-8

Children will learn about electrical appliances and the two main types of electricity the appliances use. They will be learning to create complete and incomplete circuits and explain the difference.

Children will compose own music using everything they have learnt. They will perform to other classes.

### Vocabulary:

Sound waves	Electricity	Crotchets
Vibrations	Circuits	Quavers
Loud	Insulators	Rests
Quiet	Conductors	Minims
Pitch	Switches	Semibreves
Particles	Components	Chords
Amplitude	Appliances	Compose
High	Musical notation	Instruments
Low	Rhythm	Beat

### Characteristic foci:

Creativity/Independence

### Skills:

- Use musical instruments to create vibrations
- Create own investigation and create own instrument
- Make observations of sounds
- Know the parts of an ear and be able to label them.
- Create electrical circuits
- Identify insulators and conductors
- Be able to keep to a beat and a rhythm
- Listen attentively and recognise sounds and rhythms.
- Begin to learn to play the ukulele.
- Compose music

### Curriculum Coverage:

- Identify how sounds are made, recognise that vibrations from sounds travel through a medium to the ear, find patterns between the pitch of a sound and volume and features of the object that produced it and recognise that sounds get fainter as the distance from the sound source increases.
- Construct a simple electrical circuit, identifying and naming its basic parts, identify whether or not a lamp will light in a circuit, recognise that a switch opens and closes a circuit and recognise some common conductors and insulators.
- play and perform in solo and ensemble contexts, improvise and compose music for a range of purposes, listen with attention to detail and recall sounds with increasing aural memory use and understand staff and other musical notations, appreciate and understand a wide range of music and develop an understanding of the history of music.
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]

### Learning Journey: Week 9

Children will be learning about insulators and conductors and be testing different materials to see if they conduct electricity. They will be identifying the use of a switch and testing them within their own circuits.

### Trip:

Instrument visitor

### Display Plan:

String telephones displayed with diagrams and explanations.

### Outcome:

Perform songs to other classes that the children have composed.



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Focus: Science/Music



What do they already know?

What different materials are there?

Can you describe...?

What is this object made of...?

Name a variety of everyday materials

Which materials are waterproof?

What materials can be found around the classroom/ school/ outside?

What is a material?

How many different materials can you name?

What everyday materials would be suitable to build a castle?

What does the material need to have?

What are the 4 categories that instruments are organised in to?

What is a beat?

What is a note?

What is a rhythm?

How can we make music using our body?

What is an untuned instrument?

What is a tuned instrument?

What is the difference between live and recorded music?

What is a conductor?

What is a composer?

What does compose mean?

What are some metal instruments?

What can I do to change the sound they make?

How will they remember it?

- Recap previous learning from previous years by questions and answers.
- Using century AI to consolidate learning
- Mini quizzes at the end of lessons to retrieve learning from this and previous lessons
- Mini plenaries to bring learning altogether.
- Key vocabulary and learning displayed in classroom
- Recap previous lessons at the start of every lesson
- Make the links clear to the children so they understand how the knowledge connects and how they have built upon it
- When topic is finished—continue retrieval by using quizzes and linking (where possible) to next topic.

Which resources will I need?

- Musical instruments—create vibrations
- Paper cups, string—string telephones
- Electrical circuit equipment - wires, bulb, battery, switch
- Materials—conductors and insulators to test—paper clip, pin, pencil, paper etc.
- Musical instruments to play
- iPads to research—history of music/musical instruments
- YouTube - listen to famous musicians/live pieces of music