

**Science**  
**National Curriculum Coverage**

Pupils will learn to:

**Electricity**

- Identify common appliances that run on electricity
- Construct a simple series electrical circuit
- Identify whether or not a lamp will light in a simple series circuit
- Recognise that a switch opens and closes a circuit
- Recognise some common conductors and insulators

**Animals, including humans**

- Describe the simple functions of basic parts of the digestive system in humans
- Construct and interpret a variety of food chains

**Sound**

- 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 features of the object that produced it
- Find patterns between the volume of sound and the strength of the vibrations that produced it
- Recognise that sounds get fainter as the distance from the sound source increases

**Living things and their habitats**

- Recognise that living things can be grouped in a variety of ways
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment
- Recognise that environments can change and that this can sometimes pose dangers to living things

**States of matter**

- Compare and group materials together
- Observe that some materials change state when heated or cooled
- Identify the part played by evaporation and condensation in the water cycle

**Geography**  
**National Curriculum Coverage**

Pupils will:

- Be able to use geographical terms
- Be able to use maps at a variety of scales to locate the position and geographical features of particular localities
- Be able to use secondary sources to obtain geographical information
- Be able to express views on the features of an environment and the way it is being harmed or improved
- Be able to communicate their geographical knowledge and understanding to ask and answer questions about geographical and environmental features

**International**  
**International Primary Curriculum Coverage**  
Pupils will:

- Be able to identify activities and cultures which are different from but equal to their own
- Know about some of the similarities and differences between geographical features

**History**  
**National Curriculum Coverage**

Pupils will:

- Provide reasons for particular events and changes
- Gather information from simple sources
- Know about the lives of people in the past and the technology they had to access it
- Understand that the past can be considered in terms of different time periods
- Understand that the past has been recorded in a variety of different ways
- Know about main events, dates and characteristics of the past societies they have studied
- Use their knowledge and understanding to answer simple questions about the past and about changes

**Year 4 IPC Topics:**

- Inventions that changed the world (Victorians) / Bright Sparks (Electricity)
- Active Planet (Earthquakes and Volcanoes) / Turn it up! (Sound)
- Saving the world (rainforests) / Material World (materials)

**Art**  
**National Curriculum Coverage**

Pupils will learn to:

- Collect visual and other information [for example, images, materials] to help them develop their ideas, including using a sketchbook.
- Apply their experience of materials and processes, including drawing, developing their control of tools and techniques
- Visual and tactile elements, including colour, pattern and texture, line and tone, shape, form and space, and how these elements can be combined and organised for different purposes
- Question and make thoughtful observations about starting points and select ideas to use in their work
- Compare ideas, methods and approaches in their own and others' work and say what they think and feel about them

**Music**  
**National Curriculum Coverage**

Pupils will be taught to:

Be able to compose musical pieces combining musical elements within a structure. To learn about pulse, beat and rhythm, and apply the principles of Kodaly to perform the accurate pitching and hand signs of the Do-re-me scale.

Recognise and explore the ways that sounds can be organised and used expressively.

Perform simple pieces rhythmically using a limited range of notes.

**Computing**  
**National Curriculum Coverage**

Pupils will learn to:

- Use a range of software to present information in a variety of forms that best suits the intended purpose and audience
- use simple programming technology, such as logo and scratch
- research effectively, understanding how to evaluate the reliability of digital content
- use technology safely, respectfully and responsibly, recognising acceptable/unacceptable behaviour

**Design and Technology**  
**National Curriculum Coverage**

Pupils will:

- Design and make products to meet specific needs
- Make usable plans
- Be able to use simple tools and equipment with some accuracy
- Be able to identify and implement improvements to their designs and products