

Autumn 1 Now and then	Autumn 2 Hop on, hop off, London	Spring 1 Spots, Stripes and Scales	Spring 2 Roots, shoots and muddy boots	Summer 1 To the rescue	Summer 2 Carnival!
<p><b>Everyday materials</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>• describe the simple physical properties of a variety of everyday materials</li> <li>• compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul> <p>Animals, including humans</p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> </ul>	<p><b>Everyday materials</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• distinguish between an object and the material from which it is made</li> <li>• identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>• describe the simple physical properties of a variety of everyday materials</li> <li>• compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul> <p><b>Seasonal changes</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• observe changes across the four seasons</li> <li>• observe and describe weather associated with the seasons and how day length varies.</li> </ul>	<p><b>Animals, including humans</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>• identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>• describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</li> </ul>	<p><b>Plants</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>• identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul> <p><b>Seasonal changes</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• observe changes across the four seasons</li> <li>• observe and describe weather associated with the seasons and how day length varies</li> </ul>	<p><b>Everyday materials</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• distinguish between an object and the material from which it is made</li> <li>• identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>• describe the simple physical properties of a variety of everyday materials</li> <li>• compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>	<p><b>Seasonal changes</b></p> <p>The children will:</p> <ul style="list-style-type: none"> <li>• observe changes across the four seasons</li> <li>• observe and describe weather associated with the seasons and how day length varies</li> </ul>

**Pupils will be taught to use the following skills when carrying out investigations:**

**Asking simple questions and recognising that they can be answered in different ways**

- Ask questions about how and why things change
- Ask questions about how and why things are similar or different
- Ask questions about how things are and the way they work
- Ask questions to find out what people do and how things work
- Ask questions about why and how things are linked

**Observe closely, using simple equipment and measurement**

- With help identify changes to observe and measure and suggest how to do it Identify simple changes and talk about them
- Make comparisons between simple features of objects, materials or living things

**Performing simple tests**

- With help notice links between cause and effect
- With help identify simple variables to change and measure
- Identify similarities and differences and talk about them

**Identify and classifying**

- Decide what to observe to identify or sort things
- Sort objects by observable and behavioural features

**Gathering, recording and communicating data and findings to help in answering questions.**

- With help make suggestions about how to find things out
- Use simple books and electronic media to find things out
- Begin to use scientific language to talk about what you have found out
- Record my sorting in sorting circles or tables
- Record in words and pictures what you find out
- Record observations in words or pictures or simple tables

**Use scientific language and read and spell age-appropriate scientific vocabulary**

- Begin to use scientific language to talk about how things are similar or different
- Use vocabulary related to the topic

**Begin to notice patterns and relationships.**

- With help decide what patterns to observe and measure and suggest how to do it.
- Identify simple patterns and talk about them
- Make links between two sets of observations

