

Indian Queens Primary School – Year 1 - Science Planner 2021-2022

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!
Everyday materials The children will: <ul style="list-style-type: none"> identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials compare and group together a variety of everyday materials on the basis of their simple physical properties. Animals, including humans The children will: <ul style="list-style-type: none"> identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals 	Everyday materials The children will: <ul style="list-style-type: none"> distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials compare and group together a variety of everyday materials on the basis of their simple physical properties. 	Animals, including humans The children will: <ul style="list-style-type: none"> identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) 	The children will: The children will: <ul style="list-style-type: none"> identify and name a variety of common wild and garden plants, including deciduous and evergreen trees identify and describe the basic structure of a variety of common flowering plants, including trees. 	Everyday materials The children will: <ul style="list-style-type: none"> distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials compare and group together a variety of everyday materials on the basis of their simple physical properties. 	Seasonal changes The children will: <ul style="list-style-type: none"> observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies.

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