**KS1 Science- CYCLE A**

**2 hour sessions per week**

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| --- | --- | --- | --- | --- | --- |
| **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2**  |
| Animals including humans  | Everyday Materials  | Living things and their habitats  | Animals including humans  | Plants  | Seasonal changes  |
| * Identify and name a variety of common animals including birds, fish, amphibians, reptiles, mammals.
* Identify and name a variety of common animals that are carnivores, herbivores, omnivores.
* Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)
 | * 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
 | * Explore and compare the differences between things that are living, dead and things that have never been alive.
* Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
* Identify and name a variety of plants and animals in their habitats, including microhabitats
 | * Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.
 | * 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.
 | Children should have been taught this throughout the year and observing the changes across the four seasons. Revisit and revise these changes.  |

**\*Seasonal Changes to be taught throughout the year and observe the changes across the four seasons\***

**KS1 Science- CYCLE B**

**2 hour sessions per week**

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| --- | --- | --- | --- | --- | --- |
| **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2**  |
| Animals including humans | Seasonal Changes  | Uses of everyday materials | Plants | Light  | Living things and their habitats  |
| * Notice that animals, including humans, have offspring which grow into adults.
* Find out about and describe the basic needs of animals, including humans for survival (water, food and air)
* Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.
 | * Observe and describe weather associated with the seasons and how day length varies
 | * Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for different uses
* Compare how things move on different surfaces
* Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
 | * Observe and describe how seeds and bulbs grow into mature plants
* Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
 | * Observe the apparent movement of the sun during the day
* Observe light coming from a light source
* Observe light being blocked by an object to create a shadow.
* Investigate how to make a place lighter and darker.
* Know light and dark safety.
 | * Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain and identify and name different sources of food.
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