

# Curriculum Mapping 2019-20

## Curriculum Area: Science



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Nursery</b>		Visit to a farm – looking at differences and similarities of farm animals	Homes – comparing the materials used (3 little pigs)	Introduced to different weather types and the idea of seasons	Chicks hatching and planting seeds - children experience new life.	
<b>Reception</b>	Identifying and naming simple body parts.	Seasons – signs of seasons Days of the week	Introduction to the idea of habitats with a trip to Blue Planet	Exploration of different materials (properties, names) Floating and sinking	Introduction to micro-habitats as the children go on a bug hunt around school	Summer plants and flowers Growing a sunflower – what it needs to grow
<b>Year One</b>	The human body, body parts and senses: Children will identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. Explore each of the five senses. Continue to observe seasonal and weather changes using class weather chart. Observe a tree (diary) to see seasonal change	Explore aspects of plants and light.  Children will work scientifically to observe, describe and apply their subject knowledge to Understanding light sources Making shadows  Understanding and naming different plants (including fruits, vegetables and flowers) Understanding and naming different parts of a plant	Find out about and describe the basic needs of humans, for survival (water, food and air).  Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees and describe their basic structure.	Look at different seeds from a range of plants and consider the different ways seeds are dispersed.	Describe the importance for humans of eating the right amounts of different types of food, and hygiene.	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals and describe their structure.  Identify and name a variety of common animals that are carnivores, herbivores and omnivores.

## Year Two

Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Perform simple tests to determine most suitable materials, gathering and recording data to help answer questions.

*Working scientifically*  
Observe closely, perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.  
Scientists from the past (John Dunlop)

Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. Identify and compare the suitability of a variety of everyday materials for particular uses.

*Working scientifically*  
Observe closely, Perform simple tests Identify and classify Use observations and ideas to suggest answers to questions Gather and record data in answering questions

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.

*Working scientifically*  
Observe closely, perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.

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 micro-habitats.

*Working scientifically*  
Observe closely, perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.

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.

*Working scientifically*  
Observe closely, perform simple tests, identify and classify, use observations and ideas to suggest answers to questions, gather and record data to help in answering questions.