



William Penn KS1 Science Objectives

Year 1				
Working Scientifically	1 - Plants	2 - Animals Including Humans	3 - Everyday Materials	4 - Seasonal Changes
Asking simple questions and recognising that they can be answered in different ways	A - identify and name a variety of common wild and garden plants, including deciduous and evergreen trees	A - identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals	A - distinguish between an object and the material from which it is made	A - observe changes across the four seasons
observing closely, using simple equipment	B - identify and describe the basic structure of a variety of common flowering plants, including trees.	B - identify and name a variety of common animals that are carnivores, herbivores and omnivores	B - identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock	B - observe and describe weather associated with the seasons and how day length varies.
performing simple tests		C - describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	C - describe the simple physical properties of a variety of everyday materials	
identifying and classifying		D - identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	D - compare and group together a variety of everyday materials on the basis of their simple physical properties.	
using their observations and ideas to suggest answers to questions				
gathering and recording data to help in answering questions				



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Year 2				
Working Scientifically	1 - Plants	2 - Animals Including Humans	3 - Uses of Everyday Materials	4 - Living Things and Their Habitats
Asking simple questions and recognising that they can be answered in different ways	C - observe and describe how seeds and bulbs grow into mature plants	E - notice that animals, including humans, have offspring which grow into adults	E - identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	C - explore and compare the differences between things that are living, dead, and things that have never been alive
observing closely, using simple equipment	D - find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	F - find out about and describe the basic needs of animals, including humans, for survival (water, food and air)	F - find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	D - 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
performing simple tests		G - describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.		E - identify and name a variety of plants and animals in their habitats, including micro-habitats
identifying and classifying				F - 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
using their observations and ideas to suggest answers to questions				
gathering and recording data to help in answering questions				