



	Nursery	Reception	Year 1	Year 2
Working Scientifically Skills: on going through the year	UTW: DM: NY: Explore how things work. Use all their senses in hands-on exploration of natural materials. Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice.	UTW: DM:RY Explore the natural world around them. Describe what they see, hear and feel whilst outside. ELG Explore the natural world around them, making observations and drawing pictures of animals and plants;	Working Scientifically Skills: - Ask simple questions. - Observe closely. - Carry out simple tests using non-standard measurements when appropriate. - Gather and record simple data. - Sort objects and living things into groups based on simple properties. - Explain what they found out to an adult or a partner. Answer simple questions.	- Ask simple questions and recognise that they can be answered in different ways. - Observe closely, using simple equipment. - Perform simple tests using standard units when appropriate. Gather and record data to help in answering questions. Identifying and classifying. - Talk about what they have found out and how they found it out. (non-statutory) Use their observations and ideas to suggest answers to questions.
Autumn 1	UTW : DM: Children aged three to four will: Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Explore how things work.	UTW : DM: Reception aged children will; Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Explore materials and use materials for a purpose Develop their knowledge of caring for and growing plants.	Animals, including humans Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	Animals, including humans 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
Autumn 2	Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things. Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice. Explore the seasons.		Materials 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 change: Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies	Materials 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

<u>Spring 1</u>			<u>Animals</u> 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 mammal including pets)	<u>Plants</u> Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy Living things and their habitats: 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 • 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
<u>Spring 2</u>			<u>Seasonal change:</u> Observe changes across the 4 seasons • Observe and describe weather associated with the seasons and how day length varies	
<u>Summer 1</u>			<u>Plants</u> 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	<u>Plants</u> 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
<u>Summer 2</u>			<u>Plants</u> 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 <u>Seasonal change</u> Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies	<u>Plants</u> Observe and describe how seeds and bulbs grow into mature plants <u>Animals, including humans</u> Notice that animals, including humans, have offspring which grow into adults