

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Understanding of the World – linked to topics taught					
	This is Me Alive (Structure and Function) Reproduction	Into The Night Energy – sun Forces: non-contact Properties of materials	We're Going On A Journey Energy Forces: non-contact Properties of materials	A Chair For A Bear Thrive and Survive	Let's Grow Thrive and Survive Alive (Structure and Function) Reproduction Diversity	Beneath the Sea Diversity Alive (Structure and Function)
Year 1	Alive (Structure and Function) Identify common animals and body parts	Alive (Structure and Function) Identify common deciduous trees/plants and their basic parts	Alive (Structure and Function) Identify common evergreen trees/plants and their basic parts	Alive (Structure and Function) Identify common flowering trees/plants and their basic parts	Properties of materials Identify materials and their properties	Alive (Structure and Function) Identify common wild and garden plants and their basic parts
		Energy – sun Notice impact of energy from the sun in Autumn	Energy – sun Notice impact of energy from the sun in Winter	Energy – sun Notice impact of energy from the sun in Spring		Energy – sun Notice impact of energy from the sun in summer
Year 2	Properties/changing materials Compare suitability of materials to their uses and the impact of changing their shape.	Thrive and Survive Identify what animals need to thrive and survive.	Reproduction Notice that animals reproduce.	Alive (Structure and function) Observe how plants grow	Thrive and Survive Identify what plants need to thrive and survive	Thrive and Survive Identify how plants and animals thrive and survive together in habitats.
					Alive (Structure and function) Identify the 7 live processes	
Year 3	Energy - Light Notice light and dark including shadows	Forces: contact & non-contact Notice and compare simple contact and non-contact forces through friction and magnets.	Alive (Structure and function) Identify the structure and function of human skeleton and muscles and parts of a flowering plant.	Thrive and Survive Explore and investigate nutrition in plants and animals	Reproduction Explore the function of the flower in pollination and seed dispersal	Properties/changing materials Compare rocks and soils and describe fossil formation
Year 4	Properties/changing materials Observe and measure changes of state	Energy - Sound Explore how sound energy travels in vibration waves.	Alive (Structure and function) Identify the structure and function of different parts of the digestive system (including teeth)	Diversity Use knowledge of structure of plants and animals to group them	Thrive and Survive Construct food chains and reason about the impact of environmental change on thrive and survive	Energy - Electricity Explore the impact of an open and closed circuit on electrical energy.
Year 5	Properties/changing materials Explain the processes and some outcomes of some reversible and irreversible changes, which include changes of state.	Forces: contact & non-contact Describe the orbits of the earth and moon.	Forces: contact & non-contact Identify and explain the effects of unbalanced forces.	Alive (Structure and function) Describe how human structure and function changes as they age.	Reproduction Describe and compare the process of sexual reproduction in some animals.	Reproduction Describe and compare the process of sexual and asexual reproduction in some plants.
Year 6	Alive (Structure and function) Identify the structure and function of main different parts of the human circulatory system	Thrive and Survive Recognise ways in which humans can support of hinder their ability to thrive.	Diversity Identify adaptations and its role in evolution	Alive (Structure and function) Use knowledge of structure and function of plants and animals to classify them in broad groups	Energy - Electricity Explore the impact of varying voltage in a circuit.	Energy - Light Explore how light energy travels in straight lines.