Science Curriculum Overview			
Year A 2025 - 2026			
Class	Autumn	Spring	Summer
Sycamore Class Reception	Understanding the world: Think about Autumn and how our environment changes; the human skeleton; teeth and how to look after them; learn about winter and that animals hibernate.	Understanding the world: Animals and plants in our local area; different types of habitats; life cycles; hatching eggs; Spring and looking for signs of new life.	Understanding the world: Rainforest habitats and endangered animals - orangutans; the importance of looking after our planet; Australia - learn about marsupials; Africa - Safari animals and their skins.
Chestnut Class Year 1 & 2	KS1 Strong Start - Observing closely using simple equipment. (Y1) Seasonal changes and weather: what are the four seasons?; what's the weather like in Autumn, Spring, Summer and Winter?; how does day become night?	(Y1) Everyday Materials: what are materials?l properties of materials; which materials are waterproof, transparent, opaque?; what is the best material for the job? (Y2) Use of Everyday Materials: what are materials used for?; changes to materials (squashing, bending, stretching etc.); the purpose of	(Y1) Plants: the structure of plants; wild and common plants; trees. (Y2) Plants: Growing from a seed and bulb; healthy plants - what do plants need to thrive?; plants around school.

		different materials; who invented waterproofing?	
Beech Class Year 3 & 4	(Y3) Rocks: Types of rocks; can rocks change?; what makes soil?; how are fossils formed? (Y4) Sound: Properties of sound; how does sound travel?; pitch and loudness.	(Y4) Electricity: Sources of electricity; components in a simple series circuit, what are the effects of changing components and batteries?	(Y3) Animals, including humans - the impact of the food we eat; what does my skeleton do?; what do my muscles do?; (Y4) Animals, including humans: what types of teeth do we have?; how do our teeth and mouth aid digestion?; can teeth tell us what animals eat?; the digestive system; food chains - how are teeth, digestion and food chains connected?
Oak Class Year 5 & 6	(Y6) Evolution and inheritance: living things change over time; how life has evolved; biological change - DNA & offspring; theories of evolution - Darwin & Wallace, survival of the fittest.	(Y6) Electricity: How electricity works; building and representing series circuits; components in a series circuit; how does the number of cells and voltage affect components in a circuit; the effects and consequences of changing circuit components and batteries. (Y5) Earth & Space: The position,	(Y5) Animals, including humans: What is the human timeline?; How do we change into adults?; How does human and animal lifespan compare? (Y6) Animals, including humans: blood and blood vessels - what is it? nutrients and how they are transported, circulatory system; the functions of the heart; the

		relationship and movement of planets/ spherical bodies; how does our view of the moon change in a lunar month?; the effect the Earth's rotation, tilt and orbit have on day, night and seasons.	effect of exercise, drugs and lifestyle on body function.
Year B 2026 - 2027			
Class	Autumn	Spring	Summer
Sycamore Reception	Understanding the world: Think about Autumn and how our environment changes; the human skeleton; teeth and how to look after them; learn about winter and that animals hibernate.	Understanding the world: Animals and plants in our local area; different types of habitats; life cycles; hatching eggs; Spring and looking for signs of new life.	Understanding the world: Rainforest habitats and endangered animals - orangutans; the importance of looking after our planet; Australia - learn about marsupials; Africa - Safari animals and their skins.
Chestnut Class Year 1 & 2	(Y1) Animals including humans: Types of animals; similarities and differences between animals; what does food tell us about animals?; our senses. (Y2) Animals including humans: animals and change; what animals need to stay alive; keeping healthy - food and exercise.	(Y1) Everyday Materials: what are materials?l properties of materials; which materials are waterproof, transparent, opaque?; what is the best material for the job? (Y2) Revisit - uses of everyday materials: how are they used?; why do you think materials should/should not be used for certain	(Y2) Living things and their habitats: characteristics of living things; location of living things; how living things are connected.

		jobs?; What is the hardest and softest material? (setting up an experiment)	
Beech Class Year 3 & 4	(Y4) States of Matter: solids, liquids and gases; working scientifically with states of matter; changing states of matter. (Y3) Light: seeing; shadows; changing variables.	(Y3) Forces and Magnets: contact forces and friction; non contact force; magnet force.	(Y3) Plants: flowering plants; food and survival; flower function. (Y4) Living things and their habitats: characteristics of living things; vertebrates and invertebrates; classification; classifying plants; environmental changes.
Oak Class Year 5 & 6	(Y5) Properties and changes of materials: properties, mixtures and solutions; separation of materials; reversible and irreversible changes. (Y6) Animals, including humans: water transportation: links between digestive and circulatory systems, how the kidneys work and how they keep us healthy.	(Y6) Light: light appears to travel in straight lines, how we see objects, shadows. (Y5) Forces: non contact and contact forces; resistance; inspirational scientist - Galileo Galilei; levers, pulleys and gears.	(Y5) Living things and their habitats: life cycles - comparing animal groups; Inspirational Scientist - Maria Merion; Reproduction. (Y6) Living things and their habitats: Pioneering scientist - Carl Linneus; classification - vertebrates and invertebrates; what animals and plants can I classify?; animals and plants in our local environment.