

The Gates Curriculum Overview

Science

Cycle A+B						
Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Seasonal Changes: -Observing similarities and differences in Autumn -Observing changes, colours and patterns in the environment, colour and light		Animals, inc humans (Life cycles, labelling features) -Make basic representations of things they have observed -Name and label features of their observations -Understand some important processes and changes		Plants (observing plants, naming plants, labelling plants) Seasonal Changes	
Cycle A 2026-2027						
	Autumn		Spring		Summer	
Y1	The human body (biology) Seasonal Changes (biology) Materials (chemistry) Seasonal Changes (biology)		Planting (biology) Animals (biology) Caring for the planet (sustainability) Seasonal Changes (biology)		Plants (biology) Planting (biology) Growing and cooking (sustainability) Seasonal Changes (biology)	
Y2	Living things and their habitats (well suited, food sources/chain) Animals, inc humans (offspring, needs, exercise, healthy)		Use of everyday materials (suitability, changing shapes) Plastic (sustainability) Wildlife (sustainability)		Plants (naming, describing, structure) Plants – bulbs and seeds (biology) Growing up (biology)	

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LKS2	Living things and their habitats (grouping, classification keys, changes to environments) Animals inc humans (nutrition, skeletons, muscles)	States of matter (solids, liquids, gases, heating, cooling, evaporation, condensation)	Plants (functions of different parts, needs, pollination, seed dispersal) Animals inc humans (digestive system, teeth, food chains)
UKS2	Living things and their habitats (life cycles, reproduction in plants & animals) Evolution and inheritance (changes over time – fossils, offspring, adaptation)	Evolution and inheritance (changes over time – fossils, offspring, adaptation) Living things and their habitats (classification)	Reproduction (Plants & Animals) Animals inc humans (circulatory system, diet, exercise, lifestyle, nutrients)

Cycle B 2027-2028

	Autumn 1	Spring 1	Summer 1
Y1	The human body (biology) Seasonal Changes (biology) Materials (chemistry) Seasonal Changes (biology)	Planting (biology) Animals (biology) Caring for the planet (sustainability) Seasonal Changes (biology)	Plants (biology) Planting (biology) Growing and cooking (sustainability) Seasonal Changes (biology)
Y2	Animal's need for survival (biology) Humans (biology) Materials (chemistry) Plastic (sustainability)	Plants - light and dark (biology) Living things and their habitats (biology)	Plants - bulbs and seeds (biology) Growing up (biology) Wildlife (sustainability)

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LKS2	Animals inc humans (nutrition, skeletons, muscles) Rocks (appearance and properties, fossils, soils)	Light (reflection, sun safety, shadows) Sound (vibration, pitch, volume, distance)	Data collection (biology) Electricity (common appliances, simple circuit, switch, conductors/insulators) Energy (sustainability)
UKS2	Light (straight lines, explain shadows) Earth and Space (movement relative to the sun, moon, rotation)	Global warming (sustainability) Properties of materials (solubility, conductivity, separation, changes) Plastic Pollution (sustainability)	Electricity (voltage/cells, comparisons, circuit diagrams) Renewable energy (sustainability) Forces (gravity, air resistance, friction, levers, pulleys etc)