

The Gates Curriculum Overview

Science

Cycle A+B

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Seasonal Changes (Autumn changes – colours, patterns, light)		Animals, inc humans (Life cycles, labelling features)		Plants (observing plants, naming plants, labelling plants) Seasonal Changes	

Cycle A 2024-2025

	Autumn	Spring	Summer
Y1	<p>The human body (biology)</p> <p>Seasonal Changes (biology)</p> <p>Materials (chemistry)</p> <p>Seasonal Changes (biology)</p>	<p>Planting (biology)</p> <p>Animals (biology)</p> <p>Caring for the planet (sustainability)</p> <p>Seasonal Changes (biology)</p>	<p>Plants (biology)</p> <p>Planting (biology)</p> <p>Growing and cooking (sustainability)</p> <p>Seasonal Changes (biology)</p>
Y2	<p>Living things and their habitats (well suited, food sources/chain)</p> <p>Animals, inc humans (offspring, needs, exercise, healthy)</p>	<p>Use of everyday materials (suitability, changing shapes)</p> <p>Plastic (sustainability)</p> <p>Wildlife (sustainability)</p>	<p>Plants (naming, describing, structure)</p> <p>Plants – bulbs and seeds (biology)</p> <p>Growing up (biology)</p>
LKS2	<p>Living things and their habitats (grouping, classification keys, changes to environments)</p> <p>Animals inc humans (nutrition, skeletons, muscles)</p>	<p>States of matter (solids, liquids, gases, heating, cooling, evaporation, condensation)</p>	<p>Plants (functions of different parts, needs, pollination, seed dispersal)</p>



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			Animals inc humans (digestive system, teeth, food chains)
UKS2	<p>Living things and their habitats (life cycles, reproduction in plants & animals)</p> <p>Evolution and inheritance (changes over time – fossils, offspring, adaptation)</p>	<p>Evolution and inheritance (changes over time – fossils, offspring, adaptation)</p> <p>Living things and their habitats (classification)</p>	<p>Reproduction (Plants & Animals)</p> <p>Animals inc humans (circulatory system, diet, exercise, lifestyle, nutrients)</p>
Cycle B 2025-2026			
	Autumn 1	Spring 1	Summer 1
Y1	<p>The human body (biology)</p> <p>Seasonal Changes (biology)</p> <p>Materials (chemistry)</p> <p>Seasonal Changes (biology)</p>	<p>Planting (biology)</p> <p>Animals (biology)</p> <p>Caring for the planet (sustainability)</p> <p>Seasonal Changes (biology)</p>	<p>Plants (biology)</p> <p>Planting (biology)</p> <p>Growing and cooking (sustainability)</p> <p>Seasonal Changes (biology)</p>
Y2	<p>Animal's need for survival (biology)</p> <p>Humans (biology)</p> <p>Materials (chemistry)</p> <p>Plastic (sustainability)</p>	<p>Plants - light and dark (biology)</p> <p>Living things and their habitats (biology)</p>	<p>Plants - bulbs and seeds (biology)</p> <p>Growing up (biology)</p> <p>Wildlife (sustainability)</p>
LKS2	Animals inc humans (nutrition, skeletons, muscles)	Light (reflection, sun safety, shadows)	Electricity (common appliances, simple circuit, switch, conductors/insulators)



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	Rocks (appearance and properties, fossils, soils)		Sound (vibration, pitch, volume, distance)
UKS2	Light (straight lines, explain shadows) Earth and Space (movement relative to the sun, moon, rotation)	Properties of materials (solubility, conductivity, separation, changes)	Electricity (voltage/cells, comparisons, circuit diagrams) Forces (gravity, air resistance, friction, levers, pulleys etc)