

Curriculum Overview

EYFS

Science in Reception: Understanding the World

Children in Reception will be learning to:

1. Explore the natural world around them.
2. Describe what they see, hear and feel while they are outside.
3. Recognise some environments that are different from the one in which they live.
4. Understand the effect of changing seasons on the natural world around them.
5. Observe and interact with natural processes, including:
 - ice melting;
 - sounds causing vibrations;
 - light travelling through transparent materials;
 - objects casting shadows;
 - magnets attracting objects;
 - objects floating and sinking.
6. Observe plants and animals closely and begin to name and describe familiar species.
7. Notice how plants, animals and the environment change over time.
8. Begin to understand how to care for living things and the natural world.

Autumn	Spring	Summer
Forest School Materials Seasonal Change	Forest School Chicks Plants	Forest School Ducks

KS1/KS2

Route A

Subject	Year 1 / 2			Year 3 / 4			Year 5 / 6		
	Autumn	Spring	Summer	Autumn	Spring	Summer	Autumn	Spring	Summer
Science	HT1: Animals inc. humans — Sensitive bodies	HT1: Living things — Habitats	HT2: Animals inc. humans — Life cycles & health	HT1: Energy — Light & shadows	HT1: Plants — Plant reproduction → Links: Art (developing)	HT1: Energy — Electricity & circuits HT1: Forces & Space —	HT1: Materials — Mixtures & separation	HT1: Forces & Space — Earth & space HT2: Animals inc. humans	HT1: Energy — Light & reflection HT2: Making connections

	HT1: Animals inc. humans — Comparing animals	HT1: Living things — Microhabitats	HT2: Making connections — Fairytale science → Links: English (fairy-tale & traditional tales)	→ Links: Art (abstract shape & shadow) HT1: Energy — Sound & vibrations	drawing — botanical studies) HT2: Making connections — Wind force & seed dispersal	Forces & magnets	HT2: Materials — Properties & changes → Links: History (Vikings — metalwork & materials)	— Circulation & health → Links: Computing (Earth & Space programming — Mars Rover)	— Space blankets → Links: Art (expressing ideas — light), DT (mechanical systems)
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Route B

Subject	Year 1 / 2			Year 3 / 4			Year 5 / 6		
	Autumn	Spring	Summer	Autumn	Spring	Summer	Autumn	Spring	Summer
Science	HT1: Plants — Introduction to plants HT2: Forces & Space — Seasonal changes	HT2: Materials — Everyday materials HT2: Materials — Uses of everyday materials → Links: Geography (hot & cold places)	HT1: Plants — Plant growth HT2: Making connections — Ocean protectors → Links: Geography (Shanghai — coastal city)	HT1: Materials — Rocks & soil HT2: Living things — Classification & habitats → Links: Geography (Antarctica — animal habitats)	HT2: Animals inc. humans — Movement & nutrition → Links: History (ancient Egypt), PE (dance & gym — movement) HT2: Making connections — Food & muscle fatigue → Links: Spanish (moving our bodies), PE (fitness)	HT2: Animals inc. humans — Digestion & food → Links: PE (diet & performance) HT2: Materials — States of matter → Links: Geography (rivers — water cycle)	HT1: Living things — Life cycles & reproduction HT2: Forces & Space — Unbalanced forces → Links: History (census — local change)	HT1: Living things — Classifying big & small HT2: Energy — Circuits, batteries & switches → Links: Geography (oceans — classifying marine life), DT (playground circuits)	HT1: Living things — Evolution & inheritance HT2: Human timeline + Light & plant growth → Links: History (unheard histories), Geography (fieldwork)