



Science Curriculum Map: EYFS & Key Stage 1

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Animal adventures Investigating animal habitats by exploring where creatures live and how environments meet their needs.	I am a scientist Examining changes and processes in the natural world by asking questions and carrying out simple enquiries.	Our beautiful planet Exploring the outdoor environment and identifying plants using the senses.	Our beautiful planet (Cont.) Continuing to investigate what plants need to grow and exploring ways to care for the natural world.	Changing seasons Observing seasonal changes throughout the year by exploring how weather affects plants, animals, and daily life.	Changing seasons (Cont.) Continuing practical activities with sand and water in summer to observe seasonal processes.
Year 1	Forces & space: Seasonal changes Reflecting on seasonal changes by exploring the weather and features of autumn, winter, spring, and summer.	Materials: Everyday materials Discovering the difference between objects and materials by exploring and classifying items.	Animals: Sensitive bodies Investigating the human body and the five senses by exploring how people experience the world.	Animals: Comparing animals Classifying animals by exploring their characteristics, physical features, and diets.	Plants: Introduction to plants Discovering wild and garden plants by exploring their features and identifying common flowering plants and trees.	Making connections: Investigating science through stories Investigating plants and animals through outdoor learning and practical enquiry.
	Vocab: <i>deciduous tree, evergreen tree, day, season, weather.</i>	Vocab: <i>absorbent, fabric, glass, metal, plastic, rock, waterproof, wood, hard, soft, object, material.</i>	Vocab: <i>hearing, senses, sight, smell, taste, touch.</i>	Vocab: <i>amphibian, bird, carnivore, diet, fish, herbivore, mammal, omnivore, reptile.</i>	Vocab: <i>bulb, deciduous, evergreen, flower, fruit, garden plants, growth, leaf, roots, seed, stem, trunk, wild plants.</i>	
Year 2	Living things: Habitats Identifying what living things need to survive by exploring the life processes shared by all living things.	Living things: Microhabitats Developing scientific enquiry skills by exploring microhabitats and the needs of minibeasts.	Materials: Uses of everyday materials Investigating how the properties of materials make them suitable for different practical uses.	Animals, including humans: Life cycles Exploring animal life cycles and survival by investigating how animals grow, change, and meet basic needs.	Plants: Plant growth Examining how plants grow and reproduce by carrying out comparative tests and observing changes.	Making connections: Plant-based materials Considering ways to reduce, reuse, and recycle by applying knowledge of material properties to practical problems.
	Vocab: <i>alive, dead, depend, energy, food chain, habitat, life processes, microhabitat, minibeast, predator, prey, shelter.</i>	Vocab: <i>alive, dead, depend, energy, food chain, habitat, life processes, microhabitat, minibeast, predator, prey, shelter.</i>	Vocab: <i>elastic, flexible, property, suitable, hardness, rock, sediment, soft, soil, tough, waterproof.</i>	Vocab: <i>basic needs, egg, health, hygiene, life cycle, live young, pupa, spawn, survive, teenager, toddler, tadpole.</i>	Vocab: <i>germinate, energy, nutrient, life cycle, shoot.</i>	

Science Curriculum Map: Key Stage 2

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Animals: Movement & nutrition Investigating the human body by studying the skeleton, muscles, energy use, and nutrition.	Forces & space: Forces and magnets Investigating how vehicles move across surfaces, how friction affects motion, and the properties of magnets.	Materials: Rocks and soil Classifying rocks by exploring their properties, uses, and formation, alongside studying fossils and soil.	Energy: Light and shadows Exploring how light enables sight, identifying light sources, and examining reflection and shadow formation.	Plants: Plant reproduction Understanding how plants grow and reproduce by exploring the functions of different plant parts.	Making connections: Hand span & grip Experimenting with friction and grip by carrying out comparative tests and drawing conclusions.
	Vocab: <i>balanced (diet), bone, carbohydrate, fat, fibre, invertebrate, joint, mineral, movement, muscle, nutrient, protection, protein, skeleton, support, vertebrate, vitamin.</i>	Vocab: <i>attract, contact force, force, friction, magnet, magnetic material, magnetism, non-contact force, north pole, repel, south pole.</i>	Vocab: <i>crystal, fossil, grain, rock, sediment, sedimentary rock, sedimentation, soil.</i>	Vocab: <i>cast (a shadow), light source, luminous, mirror, non-luminous, opaque, reflect, reflection, reflective (shiny), shadow, the Sun, translucent, transparent.</i>	Vocab: <i>female, flowering plant, male, pollen, pollination, reproduction, seed dispersal, transport.</i>	
Year 4	Animals incl. humans: Digestion Exploring the digestive system using models to understand organ functions, human teeth, and dental health.	Energy: Electricity & circuits Discovering how electricity is used by identifying appliances, building simple circuits, and testing conductors.	Materials: States of matter Investigating solids, liquids, and gases by exploring material properties and changes of state.	Energy: Sound and vibrations Discovering how sound travels by exploring the relationship between vibrations, hearing, pitch, and volume.	Living things: Classification & habitats Classifying living things by exploring grouping methods and investigating how habitats change over time.	Making connections: Flow of liquids Comparing liquid properties by investigating how different substances flow and representing the results.
	Vocab: <i>canine, digest, digestive system, faeces, incisor, large intestine, molar, mouth, oesophagus, premolar, producer, saliva, small intestine, stomach.</i>	Vocab: <i>appliance, battery/cell, bulb, buzzer, circuit, electrical conductor, electrical insulator, electricity, mains, motor, power source, property, switch, wire.</i>	Vocab: <i>boiling, condensing, evaporating, evaporation rate, freezing, gas, liquid, melting, precipitation, solid, steam, the water cycle.</i>	Vocab: <i>eardrum, insulator, pitch, sound, vibration, volume.</i>	Vocab: <i>conservation, deforestation, endangered, flowering plants, insect, nature reserve, non-flowering plants, pollution, slug, snail, spider, worm.</i>	
Year 5	Materials: Mixtures & separation Separating mixtures by exploring methods like filtering, sieving, evaporation, and dissolving.	Materials: Properties & changes Examining material properties such as hardness and transparency, alongside reversible/irreversible changes.	Forces & space: Earth and space Investigating the Solar System by examining the movements of the Sun, Earth, Moon, and planets.	Living things: Life cycles & reproduction Comparing animal and plant life cycles by investigating reproduction, growth, and survival.	Forces & space: Unbalanced forces Exploring gravity, air resistance, water resistance, and the effects of balanced and unbalanced forces.	Animals: Human timeline Investigating the human timeline and exploring if the size of an asteroid affects the diameter of its crater.
	Vocab: <i>dissolve, filtering, insoluble, mixture, sieving, soluble, solution.</i>	Vocab: <i>burning, conductor, electrical conductivity, insulator, irreversible change, reversible change, rust, rusting, thermal conductivity, transparency.</i>	Vocab: <i>celestial bodies, moon, night, orbit, phase, planet, spherical, star, year, Solar System (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto).</i>	Vocab: <i>adolescence, asexual reproduction, characteristics, fertilisation, germination, gestation, gills, incubation, lungs, mating, metamorphosis, offspring, ovule, pollen, pollination, reproduction, sexual reproduction.</i>	Vocab: <i>air resistance, balanced, gear, gravity, lever, pivot, pulley, surface area, unbalanced, water resistance.</i>	Vocab: <i>foetus, gestation period, hormones, period (menstruation), puberty.</i>

Year 6	Living things: Classifying big and small Classifying living things by exploring shared characteristics and using classification keys to identify organisms.	Energy: Light and reflection Examining how light behaves by investigating reflection, shadows, and how light travels in straight lines.	Living things: Evolution & inheritance Exploring how characteristics are inherited and how fossil evidence supports the theory of evolution.	Energy: Circuits & batteries Understanding electrical circuits using models and investigating current, resistance, and voltage.	Animals, incl. humans: Circulation Learning about the circulatory system by exploring the roles of the heart, blood, and lifestyle choices.	Making connections: Safer sunglasses Evaluating sun safety by investigating how different sunglasses protect eyes from light and UV radiation.
	Vocab: <i>cold-blooded, conifer, exoskeleton, fern, life processes, microorganism, moss, organism, warm-blooded.</i>	Vocab: <i>light ray, pupil, ray diagram, reflective.</i>	Vocab: <i>adaptation, competition, environment, environmental, evolution, extinct, fossil, gene, inherit, inheritance, natural selection, parent (biological), population, selective breeding, survival of the fittest, variation.</i>	Vocab: <i>cell, circuit diagram, current, resistance, voltage.</i>	Vocab: <i>blood, bloodstream, blood vessels, carbon dioxide, circulatory system, drug, heart, heart rate, oxygen, pulse.</i>	