

SCIENCE - Curriculum Overview

KEY STAGE 1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y E A R	 identify, name, draw of the human body a body is associated w notice that animals, offspring which grow find out about and do of animals, including (water, food and air) describe the importa 	including humans, have into adults escribe the basic needs humans, for survival nce for humans of ight amounts of different	Science - Materials 1. distinguish between an object and the material from which it is made 2. identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock 3. describe the simple physical properties of a variety of everyday materials 4. compare and group together a variety of everyday materials on the basis of their simple physical properties		Science - Plants 1. identify and name a variety of common wild and garden plants, including deciduous and evergreen trees 2. identify and describe the basic structure of a variety of common flowering plants, including trees 3. observe and describe how seeds and bulbs grow into mature plants 4. find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	
Y E A R B	Science - Seasonal Change 1. observe changes across the four seasons 2. observe and describe weather associated with the seasons and how day length varies	Science Working Scientifically (5 different types of enquiry)	 distinguish betwee material from whi identify and name materials, includi metal, water, and identify and comp variety of everyda wood, metal, plas paper and cardbo find out how the smade from some 	e a variety of everydaying wood, plastic, glass, rock hare the suitability of a y materials, including tic, glass, brick, rock, ard for particular uses shapes of solid objects	 explore and compare the differences between things that are living, dead, and things that have never been alive identify that most living things live in habitats to which they are 	Science - Animals 1. identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals 2. identify and name a variety of common animals that are carnivores, herbivores and omnivores 3. describe and compare the structure of a variety of common animals (fish, amphibians,

different sources of

KEY STAGE 2

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Υ	Science -	Science -	Science -	Science -	Science -	Science -
E	Electricity	States of Matter	Sound	Source of Light	Plants	Living things & habitats
A R	Identify common	Compare and group	Identify how	Identify how counds	Identify and describe the	Pagagnica that living
K	Identify common appliances that run	Compare and group materials together,	Identify how sounds are made,	Identify how sounds are made,	Identify and describe the functions of different	Recognise that living things can be grouped in
Α	on electricity	according to whether	associating some	associating some of	parts of flowering plants:	a variety of ways
	on order ord	they are solids, liquids	of them with	them with	roots, stem/trunk,	a rames, or mayo
	Construct a simple	or gases	something	something vibrating	leaves and flowers	Explore and use
	series electrical		vibrating			classification keys to
	circuit, identifying	Observe that some		Recognise that	Explore the	help group, identify and
	and naming its basic	materials change	Recognise that	vibrations from	requirements of plants	name a variety of living
	parts, including	state when they are	vibrations from	sounds travel	for life and growth (air,	things in their local and
	cells, wires, bulbs,	heated or cooled, and	sounds travel	through a medium	light, water, nutrients from soil, and room to	wider environment
	switches and buzzers	measure or research the temperature at	through a medium to the	to the ear	grow) and how they vary	Recognise that
	buzzers	which this happens in	ear	Find patterns	from plant to plant	environments can
	Identify whether or	degrees Celsius (°C)		between the pitch of	Trom plane to plane	change and that this can
	not a lamp will light			a sound and		5.1.1.1.2 5.1.1.2 5.1.1.2 5011

	in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit Recognise some common conductors and insulators, and associate metals with being good conductors.	Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Find patterns between the pitch of a sound and features of the object that produced it Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.	features of the object that produced it Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.	Investigate the way in which water is transported within plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	sometimes pose dangers to living things.
Y E A	Science - Rocks	Science - Working Scientifically	Science - Forces & Magnets	Science - Forces and Magnets	Science – Skeletons and teeth	Science – Nutrition and digestion
R B	Describe in simple terms how fossils are formed when things that have lived are trapped within rock. Recognise that soils are made from rocks and organic matter. Compare and group together different	Ask relevant questions. Plan different types of scientific enquiries to answer questions. Set up simple and practical enquiries, comparative and fair tests.	Compare how things move on different surfaces. Notice that some forces need contact between two objects, but magnetic forces can act at a distance.	Compare how things move on different surfaces. Notice that some forces need contact between two objects, but magnetic forces can act at a distance. Observe how magnets attract or	Identify the different types of teeth in humans and their simple functions. Recognise that humans and some other animals have skeletons and muscles. Explain which parts of the skeleton provide	Describe the simple functions of the basic parts of the digestive system in humans. Construct and interpret a variety of food chains, identifying producers, predators and prey.

	kinds of rocks on the basis of their appearance and simple physical properties.	Make systematic and careful observations using a range of equipment, including thermometers and data loggers. Take accurate measurements using standard units, where appropriate. Record findings using simple scientific language, drawings and labelled diagrams. Record findings using keys, bar charts, and tables. Gather, record, classify and present data in a variety of ways to help to answer questions. Report on findings from enquiries, including oral and written explanations, of results and conclusions.	Observe how magnets attract or repel each other and attract some materials and not others. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.	repel each other and attract some materials and not others. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.	support, movement and protection. Compare the ways that the skeletons of different animals provide support, protection and movement. Recognise that humans have different types of teeth. Describe the function of each type of tooth in the human skull. Explain why humans have different types of teeth.	
--	---	--	--	---	---	--

displays or		
presentations.		
Identify differences, similarities or changes related to simple scientific ideas and processes.		
and processes.		
Use straightforward scientific evidence to answer questions or to support their findings.		
Use results to draw simple conclusions, make predictions for new values, suggest		
improvements and raise further		
questions.		